



THE UNIVERSITY OF THE WEST INDIES  
MONA CAMPUS, JAMAICA, WEST INDIES

# DEPARTMENTAL REPORTS 2018/2019



**THE** WORLD  
UNIVERSITY  
RANKINGS  
**TOP RANKED**

Caribbean's #1  
Latin America's Top 2%  
World's Top 4%





**UWI**  
MONA CAMPUS  
JAMAICA, WEST INDIES

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# **DEPARTMENTAL REPORTS**

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**2018–2019**

**REPORT TO CAMPUS COUNCIL, MONA  
AND TO COUNCIL  
FOR YEAR ENDING JULY 31, 2019**

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**UWI**  
MONA CAMPUS  
JAMAICA, WEST INDIES

## **Our Mission**

**TO ADVANCE LEARNING, CREATE KNOWLEDGE AND  
FOSTER INNOVATION FOR THE POSITIVE TRANSFORMATION  
OF THE CARIBBEAN AND THE WIDER WORLD.**

## **Our Vision**

**AN EXCELLENT GLOBAL UNIVERSITY ROOTED IN  
THE CARIBBEAN**

## **Our Core Values**

**INTEGRITY | EXCELLENCE | GENDER JUSTICE | DIVERSITY |  
STUDENT CENTREDNESS**

## **Our Strategic Goals**

**ACCESS | ALIGNMENT | AGILITY**



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# FACULTY OF ENGINEERING

## Mona

Year ending July 31, 2019



**DR. PAUL AIKEN**

**BSc. MPhil. UWI, MSc. PhD *Columbia University***

**DEAN**

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# Dean's Overview

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## WORK OF THE FACULTY

The Faculty of Engineering (FOE) came into being on August 1, 2018, and was officially launched on Wednesday, September 12, 2018. During the 2018–19 academic year, the FOE effected a number of changes to the curricula of its programmes. These modifications became necessary to improve course content and incorporate recommendations from ABET in keeping with the teaching and learning objectives of the Faculty. Some course codes were also changed to eliminate confusion with the UWI, St Augustine courses. (*See appendix*). Students registered in the Computer Systems Engineering (CSE) program were found to be using the CSE to gain access to the Computer Science program in the Faculty of Science and Technology (FST). This has resulted in a significant reduction in numbers for the CSE program, hence the decision was taken to discontinue the program.

The Faculty continues to be constrained by its limited classroom space. The FOE does not own a lecture theatre and as a result we are unable to provide adequate seating for courses with large enrolment numbers. It is therefore our intent to broker discussions with the FST to have a seamless transition, as we seek to gain access and control of Science Lecture Theatres 2 and 3, as well as two small rooms in buildings assigned to FOE that are not being used. These small rooms will be used for small tutorials.

The FOE's intent to create a world class teaching and research facility; forging strong synergies with our industrial and commercial partners is still in focus. The main highlight of the Faculty, during the 2018–19 academic year, was our success in achieving International Accreditation from ABET for our BSc Electronics Engineering programme. The assessment and feedback during the accreditation process provided learning opportunities and information that has set us on a path of continuous improvement, while maintaining high standards in our academic offerings and delivery modalities, as we seek to have all our programs accredited. We have also taken steps to strengthen our Administrative and Support services and now have an Administrative Officer, who will support the work of the Dean and Deputy Deans as

we seek to streamline the structure of the Faculty's operations to align with the Strategic Plan of the University.

### Student Number Statistics

The number of applicants for engineering continues to increase, with the Preliminary Engineering programme having the highest overall enrolment and Civil Engineering registering the highest enrolment of all the degree programmes.

#### Registration Breakdown

Preliminary Engineering:	67
Biomedical Engineering:	10
Civil Engineering:	45
Electrical Power Engineering:	8
Electronics Engineering:	18
<b>Total New students:</b>	<b>148</b>

*Total number of students enrolled:* 320 students were registered at the beginning of the academic year. A significant number were de-registered as a result of financial blocks.

### Academic Partnerships

- *University of Pennsylvania (UPENN):* The Faculty of Engineering students are now able to attend lectures via live stream from UPENN each Thursday. UPENN students also visited from May 15 to May 26, 2019 for the exchange programme in keeping with the partnership. The visiting students toured the UWI and UTech campuses. They were also taken on tours of the Kingston Public Hospital (KPH) and UHWI Therapy Clinics, as well as, the Sir John Golding Rehabilitation Centre.

Dr Michelle Johnson of UPENN also visited the Faculty during the academic year to explore the possibility of partnering in the redesign of a Haptic Theradrive and Rehab CARES device at a lower cost. The current cost is US\$2500 and the goal is to reduce it to between US\$1000 and US\$1500.

- *University of Florida (UF):* The MOU with the University of Florida continued on its intended path. The 2+2 partnership for 8 engineering programmes is expected to have one candidate from the FOE ready for transition in Semester 1, of 2019–20.



- *New Fortress Energy (NFE):* The Faculty continues to benefit from NFE increasing partnerships in STEM outreach and creating sponsorships for teaching of a semester 2 course on LNG Technologies.

### **Accreditation**

The FOE was successful in its bid to achieve International Accreditation from ABET for our BSc Electronics Engineering program during the 2018–2019 academic year. This followed the ABET site visit and rigorous assessment in 2018. The assessment process was instrumental and provided learning opportunities and information that continues to guide our efforts towards continuous improvement and maintaining high standards in our academic offerings and delivery modalities.

### **Outreach Activities**

- *UWI Research Days 2019:* The Faculty's presence at the annual Research Day exhibition continued to grow for the 2018–19 academic year. A number of research projects from our engineering students for this year were displayed. The FOE had three (3) main display areas: 1) Mona Research Village in the Tent, 2) Displays on the Spine of the Faculty of Science and Technology, and 3) Research Day Signature Event on Friday, February 8, 2019 entitled "The 7 Wonders of LNG", which took the form of a presentation by Mr. Kevin Frantz (Senior VP, New Fortress Energy). All three (3) areas/events were well supported by the target audiences.
- *Jamaica Institution of Engineers (JIE) Competition:* The FOE organized and hosted the annual JIE Engineers' Week *Bridge Building Competition* for 2018. The UWI, Mona team, which consisted of second year Civil Engineering Students, won the competition (the team had the largest strength to weight ratio).
- *Faculty of Engineering Open Day:* The FOE held its first Open Day, November 8, 2018. Thirty two sixth form students and two teachers from six (6) high schools in the corporate area were hosted for the day. Activities were inclusive of information sessions, hands-on activities comprising lab demonstrations and engineering challenges such as; a mini-bridge building challenge, a drafting challenge using SketchUp or a robotics challenge. A survey conducted among the students revealed their responses to the open day events were positive. This is intended to expose students and stimulate their interest in the field of Engineering. It has become an annual event for the Faculty.
- *High School visits:* Representatives from the FOE in collaboration with the Marketing, Recruitment and Communications Department visited a number of high schools and community colleges during the academic year. This continues to

be our major marketing space for our programmes, and we make every effort to ensure that we fully participate.

- *Visit to Bahamas:* The Faculty of Engineering partnered with the Office of Student Recruitment to participate in outreach activities in the Bahamas. Dr. Omar Thomas (Deputy Dean, Outreach, Internationalization and Marketing) and Mrs. Bolero-Haughton (Assistant Registrar, Recruitment) visited the Bahamas November 13–16, 2018. The main intent was to promote the Faculty and its programs to prospective applicants. The team participated in radio and television interviews, as well as, college fairs for the Queens and Nassau Colleges. Fifty four of 280 participants expressed interest in our Engineering programs. Dr Thomas also met with Dr. Carlton Watson, Dean of Pure and Applied Sciences, University of Bahamas (UB). The FOE agreed to review courses under the UB associate degree programs to determine possible exemptions for the different engineering programmes in the FOE. After consultations with FOE faculty, it was decided that the UB Associate degree graduates could matriculate into first year of engineering degree programs. Dr Thomas also met with Ms. Melanie Roach, Director of Public Works, Bahamas. She expressed interest in having some of her employees pursuing the MPhil in Engineering, if most of the work can be done in the Bahamas. This is being assessed for future consideration.
- *Visit to Cayman Islands:* Dr. Aiken also visited the Cayman Islands to promote the FOE programs and explore the possibility of having partnerships with the University College of Cayman Islands (UCCI) February 25 to March 1, 2019. A proposal was submitted for a series of Professional Development seminars. Follow-up discussions are to be had on the way forward.
- *Marketing Opportunities:* The Faculty seized the opportunity for promotion and publicity on Sun City Radio by way of a quiz competition where questions were asked about the faculty and its programs and prizes were offered for the correct answers.

### **Donations/Contributions**

*Engineering Bursaries:* The Faculty continues to assist needy students who meet the minimum eligibility requirements with an engineering bursary. The value of bursaries awarded range from J\$200,000 to J\$400,000. The recipients can be at any level in the programme and must maintain a minimum GPA of 3.0 to continue the bursary.

### **Energy Management Unit**

- During the year, the Energy Management Unit contributed replacement Fluorescent Lamps to the General Stores Section.

- The Energy Management Unit has collected fluorescent lamps for crushing and removal of mercury, prior to disposal, from J Wray and Nephew and the Ministry of Science, Energy and Technology.
  - A total of 11,000 compact bulbs and 891 tubes were collected which yielded total revenue of J\$561,736.
- The EMU also submitted a proposal to PCJ for bulb crushing services, removal of mercury and disposal of fluorescent bulbs to be collected from Government buildings islandwide.

### **Employee Engagement and Development**

- The Faculty of Engineering hosted its annual Staff Retreat at the Faculty on June 19, 2019. The focus of the retreat was to look at our teaching and delivery systems, facilities, administrative system, and technical and support services. Measures to further improve our efficiencies and the finalization of the Faculty's strategic plan were discussed.
- Administrative Staff participated in a number of training and development programs for capacity building during the academic year.
- A workshop was hosted on October 25, 2018 for all academic staff entitled, *Aspects of Course Design and Development: An Outcomes-Based Approach*. This workshop was facilitated by the Centre for Excellence in Teaching and Learning (CETL).

### **Graduate Research Degrees**

Currently there are nine (9) graduate students enrolled in the FOE. Five students are pursuing PhDs and four (4) are enrolled in MPhil programs. These students' area of research span the fields of Biomedical, Civil Engineering, Electronics and Computer Engineering and Transportation Engineering.

Students attended a total of 16 seminars for the 2018/2019 academic year.

One PhD candidate, Mr. Da-Vaugh Sanderson, was a recipient of a UWI Postgraduate Scholarship totalling J\$1 million.

### **PAPERS PRESENTED**

- Ellis, Leighton "Prospective safety performance evaluation on Construction Sites in Trinidad and Tobago". Ellis, L.
- Farquharson, Cherri-Ann, An Investigation of Lightning Strikes Over Jamaica, Meteorological Service of Jamaica Lightning Forum, July 16, 2019.

- Lawrence, Adrian – “Constructing and Handling Structures Designated as Massive Concrete”. Lawrence, A., Tia, M., Bergin, M.
- McMorris, Nicolas – “Mechanical Properties of Coconut Fibre Reinforced Concrete”. McMorris, N., Anderson, S., Carty, M., Williams, R., Nugent, R., Vacciana, A., September 2018
- Smellie, Stanley – “How to save money with an Energy Audit”. Smellie, S.
- Smith, David
  - “Nexus of Natural Disasters and Uninformed Planning – Caribbean Terrace, A Case Study”. Smith, D., Dolphin, T., Woodstock, R., DuQuesnay, A., McClue, A., Morrison, R.
  - Protection Services Provided by Mangroves in Jamaica, World Bank Workshop Oct 2018;
  - Green Climate Fund Conference in Grenada for Caribbean Adaptation Priorities Project, November 2018;
  - Member of the Jamaica Government Delegation to COP24 (UN Conference on Climate Change), Katowice, Poland December 2018; (d) Understanding Risk Workshop, Barbados, World Bank Workshop May 2019.
- Thomas, Omar S. “The application of semi-Markov modeling in estimating the crack deterioration of flexible pavements”. Faculty of Engineering Graduate Seminar, April 4, 2019.
- Wright, Sasha-Gay – “Biomedical Engineering of Jamaican Yam tuber for Drug Targeted Therapy in Prostate Cancer and its Potential Use in Green Nanotechnology Formulation”. Wright, S., Aiken W., Asemota, H., JIE Conference September 2018.

## PUBLICATIONS

- Ellis, L.A., Martin, H. and S. Ramcharitar. (2019). “Factors influencing triple constraints in Public Sector Projects in Trinidad and Tobago”. Proceedings of ICE –Management, Procurement and Law, 172 (4): 157–169 <https://doi.org/10.1680/jmapl.18.00047>
- Ellis, L.A. and O. Mottley (2018). Prospective Safety Performance Evaluation on Construction Sites: Case Study Trinidad & Tobago. Jamaica Institution of Engineers (JIE) Engineers’ Week 2018 Conference. September 17–21, 2018. Kingston, Jamaica.
- Han, S., Chun, S.; Lawrence, A., Tia, M. “Optimization of Design Parameters for Enhanced Integrity of Massive Drilled Shaft”, *ASCE Journal of Materials in Civil Engineering*, Volume 31, No. 4, April 2019.

- Paterson, N. D. & Hutchinson, S. L. (2019). An exploratory look at Mentorship outcomes at a University in the Caribbean. *Caribbean Journal of Education*, Vol. 41 No. 1, 79–104, ISSN 0376-7701 © 2019 by the School of Education, the University of the West Indies, Mona.
- Oliveira, Roberto M., Alex B. Vieira, Latchman, Haniph A. and Moises V. Ribeiro. “Medium Access Control Protocols for Power Line Communication: A Survey.” *IEEE Communications Surveys & Tutorials* (2018).
- Smith, D.A.Y. “Climate change impacts on critical international transportation assets of Caribbean Small Island Developing States (SIDS): The case of Jamaica and Saint Lucia”. Published in *Regional Environmental Change* (2018). In addition, the paper will be included in the IPCC Special Report on 1.5 degrees itself, as part of the literature considered.
- **Wright, S.**, Aiken, W., Adeyeye, M. and Asemota, H, The Anti-cancer effects of the Jamaican Round-leaf yellow yam (*D. Cayenensis*) and its Potential use for Green Nanoparticles. 27th International Conference on Composites/Nano Engineering, Granada Spain, July 14–20, 2019.

## INCOME GENERATION

- *Income for FOE:* Preliminary reports from Commercial Operations showed the FOE generated revenue of J\$269,634,522 from tuition collected for Preliminary program and four BSc programmes for the 2018/2019 academic year. Income of \$561,736 was also generated from other commercial activities primarily from the Energy Management Unit.

*Expenditure:* Total expenditure for the 2018–19 totalled \$235,731,405 million.

- *Mona-Tech Engineering Services (MTES):* MTES has successfully completed its fourth year of operations. Some notable achievements during the 2018–19 academic year were:
  - Provide oversight to the completion of the CoGen plant. Five 1.4 MW Jenbacher GE engines were commissioned in June and began powering the campus on Wednesday June 26, 2019
  - MTES is contracted to provide Operation and Maintenance services for the CoGen plant
  - Over the first two months of operation of the engines, the campus’ JPS bill was reduced from J\$60 million to J\$17 million. Further reductions are expected after the exhaust chillers are commissioned in October 2019 and plant operations are optimized.
  - MTES continues to provide AC maintenance and repair services to the Mona and WJC campuses for a nominal contracted sum. All split and window units are serviced at least twice per year creating an estimated energy savings of over \$30 million per year.

## PUBLIC SERVICE

### Aiken, Paul

- The UWI Mona's representative on the BPO Task Force Committee chaired by the Honorable Dr Horace Chang
- Senior Member, Institute of Electrical and Electronics Engineers (IEEE)
- Member, Continuing Education Committee, Professional Engineers Registration Board (PERB)
- Member, Engineering Accreditation Committee, University Council of Jamaica (UCJ).

### Ellis, Leighton

- Journal manuscript reviewer – *ASCE Journal of Management in Engineering* (2012 – present)
- Journal manuscript reviewer – *ASCE Journal of Legal Affairs and Dispute Resolution in Engineering and Construction* (2019–present)
- Chairperson for the Institution of Civil Engineers West Indies Local Association [ICEWILA] (2016–present)
- Vice President for Caribbean Water and Wastewater Association (CWWA).

### Falconer, Linton

- Member of the IEEE and the Acoustical Society of America.
- Examiner, Board of Examiners (Licensing of Electricians) Ministry of Science, Technology, Energy and Mining (MSTEM).

### Lawrence, Adrian

- Peer reviewer, *American Concrete Institute's (ACI) Journal*
- Reviewer for the American Concrete Institute's (ACI) Technical Activities Committee (TAC)
- Instructor, Professional Engineering (PE) License Exam, United States
- Serves on the Jamaica Bureau of Standards' Building and Associated Materials Technical Committee.

### McMorris, Nicolas

- Member, Board of Directors of the Professional Engineering Registration Board (PERB)
- Assistant Chief Examiner, CAPE for Building & Mechanical Drawing.

**Smith, David**

- Member, Greater Caribbean Regional Engineering Accreditation System (GCREAS).

**Thomas, Omar**

- Member, Jamaica Institution of Engineers (JIE)
- Registered Professional Engineer in Jamaica
- Member, Financial Committee, Karen Peart Foundation
- Member, American Society of Civil Engineers Transportation & Development Institute (T&DI) Infrastructure Systems Committee
- Lead Facilitator of the Macaroni Bridge Competition – JIE Engineers' Week
- Member, Institute of Transportation Engineers.

**Other Staff Highlight**

- Mr Lindon Falconer, Head of Electronics & Electrical Programs appeared in the *Jamaica Observer* on January 21, 2019, the *Jamaica Gleaner* on January 22, 2019, and in a JIS article about the National Innovation Award that he received. The article highlighted his contribution to science and technology in bringing a new electronic security product to the market – The Falcon B4. He placed 1st in the category of Engineering and Manufacturing for the National Innovation Competition held November 21, 2018.
- Mr Falconer also conducted listening tests on 20 adults over the age of 50 years, whose hearing were impaired. The tests were done at the University of Sheffield in England. Results from this work will be used for the completion of his PhD thesis.

**STUDENTS****Internship**

**Huawei Jamaica Seeds for the Future Program 2019:** Three final year students from our Electronics Engineering program were beneficiaries of the annual Huawei Jamaica Seeds for the Future program. The students did a two week internship at Huawei in China. Feedback from the students was that the experience was very educational. All major expenses for the students stay in China were covered by Huawei.

**Student Clubs and Societies**

Students of the Faculty of Engineering were actively involved in the campus chapters of the following professional bodies:



- Institute of Electrical and Electronics Engineers (IEEE)
- The FOE robotics team commenced the design of a robot to enter the robotics competition at the 2020 IEEE South East Conference. The goal is to design a robot that capable of manipulating Lego blocks and LED lights.
- Jamaica Institution of Engineers (JIE)
- Institute of Structural Engineers (IStructE)
- The students have also formed an umbrella club – the Mona Engineering Society (MES) the club will be officially launched within the month of September 2019.

## Scholarships and Bursaries

### Scholarships

- *The Ministry of Education, Youth and Information (MoEYI):* At the start of the 2018/2019 academic year, it is recorded that eight (8) students of the Faculty of Engineering were recipients of the MOEYI – Maths, Science and Technical and Vocational Education and Training (MSTVET) Scholarship. The number of scholarship recipients from FOE increased to 20 for the 2019/2020 academic year.
- *Class of 1967 Scholarship:* The first Class of 1967, scholarship was awarded October 19, 2018. The recipient was Mr Jachin Mullings, Guild Representative and President of the student body Mona Engineering Society, for excellence in innovation and leadership.
- *Elaine Bryan Scholarship:* Three (3) engineering students received scholarships from the Elaine Bryan Foundation. The scholarships include the disbursement of computers to students enrolled in Science, Technology, Engineering, Art and Mathematics (STEAM) programmes. The Faculty, intends to maintain its close partnership with the Elaine Bryan Foundation. It is felt that recipients of the scholarship should keep in touch with the foundation on an ongoing basis, particularly throughout the remainder of their tenure here as students at The UWI.
- Our students continue to benefit from other scholarship opportunities such as: the Jamaica Flour Mills and New Fortress Energy Scholarships.
- *Bursaries:* Our students continue to benefit from a number of bursaries during the 2018–19 academic year. Table 1 below shows a summary of bursaries disbursed per programme, total awarded and the percentage per program.

**Table 1: Number of Bursaries Awarded**

<b>Engineering Programmes</b>	<b>Number of Awardees</b>	<b>Total Awarded</b>	<b>% of bursaries awarded according to programme</b>
Biomedical Engineering BSC M	7	2,900,000.00	11 %
Civil Engineering BSC M	20	6,990,000.00	31%
Electrical Power Engineering BSC M	5	2,240,000.00	8 %
Electronics Engineering BSC M	12	5,875,785.00	119%
Preliminary Engineering NA M	20	9,620,000.00	31%
<b>Grand Total</b>	<b>64</b>	<b>27,625,785,00</b>	<b>100%</b>

- The Government of Jamaica (GOJ) through the Student Loan Bureau (SLB) have once again responded to continued requests from the Faculty of Engineering for increased access to loans for our engineering students. The loan threshold has been increased to J\$1M for the 2019–20 academic year up from J\$831,069.17.

### **2018 Graduation**

A total of 40 students graduated, November 2018. A total of six (6) first class honours were awarded, four (4) from the Civil Engineering and two (2) from the Electronics Engineering programs.

## COURSES MODIFIED

LEVEL 1 COURSES ELECTRONICS, BIOMEDICAL AND ELECTRICAL POWER		
Semester	Course Code	Title
1	ECSE1102	Engineering Circuit Analysis and Devices
1	ECSE1104	Digital Circuits and Systems
1	ECSE1109	Programming for Engineers I
1	ENGR1100	The Engineering Profession
1	ENGR1105	Engineering Laboratory and Designs I
2	ECSE1207	Computer Architecture and Organization (NEW)
2	ECSE1209	Programming for Engineers II
2	ECSE1209	Programming for Engineers II
2	ELNG1101	Physics for Engineers
2	ENGR1200	Engineering Tools and Techniques
2	ENGR1200	Engineering Tools and Techniques
2	ENGR1205	Engineering Laboratory and Designs II
2	ENGR1205	Engineering Laboratory and Designs II
2	EPNG1201	Intro to Thermodynamics and Fluid Mechanics
2	EPNG1210	Electrical Machines I
LEVEL 2 COURSES		
1	ECSE2102	Semiconductor Devices and Fabrication
1	ECSE2104	Microprocessors and Embedded Systems
1	ECSE2106	Signals and Linear Systems
1	ENGR2105	Engineering Laboratory and Designs III
1	ENGR2120	Technical Communications I (NEW)
1	EPNG2110	Electrical Machines II
2	ENGM2210	Engineering Electromagnetics (NEW)
2	ECSE2202	Analogue Circuits and Instrumentation
2	ECSE2208	Analogue and Digital Communication Systems
2	ECSE2209	Control Systems Engineering
2	ECSE2209	Control Systems Engineering
2	ENGM2280	Probability and Statistical Systems (NEW)
2	ENGR2205	Engineering Laboratory and Designs IV
2	EPNG2010	Nuclear Physics and Reactor Theory
2	EPNG2020	Renewable Energy Systems







# FACULTY OF HUMANITIES AND EDUCATION

## Mona

Year ending July 31, 2019



**PROFESSOR WAIBINTE WARIBOKO**

**B.A. (Port Harcourt), M.A. (Ibadan), Ph.D. (Birmingham-UK)**

**DEAN**

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# *Dean's Overview*

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## **INTRODUCTION**

**D**uring the year under review, in response to the goals and objectives of the “‘Triple A’ Strategic Plan,” the Faculty of Humanities and Education ably continued with its efforts to contribute to the wellbeing of the Mona Campus. These efforts focused on the following areas, among others: the drive for financial self-sufficiency; the creation and sustenance of a creative workforce that is professional, motivated and productive; the resolve to enlist the benefits of digital transformation for reengineering business and administrative processes; increasing student enrollment by offering more flexible, market responsive, and scholastically cutting-edge multidisciplinary programmes; fostering unrivalled student learning and development agendas; increasing knowledge production via research and publication; and, in pursuit of Caribbean economic, socio-cultural and political development, strengthening the links with state and society via structured voluntary outreach activities.

## **DRIVE FOR FINANCIAL SELF-SUFFICIENCY**

In the last four years the Faculty has introduced six new undergraduate and postgraduate self-financing programmes. The most recent of these, done during the year under review, are: BA in History and Journalism, and BA in Music and Performance Studies. As part of the drive for financial self-sufficiency the Faculty secured four (4) million Jamaica dollars from the CHASE Foundation for the purchase of music instruments required for delivering the practical components of the Music Programme. Overall, both new and old self-financing programmes have increased the capacity of the Faculty to contribute more meaningfully to the quest of the Mona Campus for financial self-sufficiency.

The International English Language Testing Services (IELTS) in the Department of Language Linguistics and Philosophy is arguably the most productive and lucrative revenue generating entity within the Faculty after the self-financing programmes. With a fairly stable market demand for its testing services it has since inception been generating, on average, J\$50,000,000 annually. Its financial performance in the year under review has not been different.

Generating additional revenue, whilst providing students with the opportunity of satisfying their outstanding degree programme credit requirements, also led the various Departments to increase their course offerings during the just concluded 2018/19 Faculty Summer School. The School of Media and Communication, for example, had advertised to offer twenty-five (25) short courses. For the first time the Caribbean Center for Educational Planning (CCEP), which was set up two and a half years ago as a self-financing entity, also ran a Summer School Institute to earn more revenue; and it was modestly successful.

## **EMPLOYEE ENGAGEMENT AND DEVELOPMENT**

The Faculty, in order to build on previous efforts aimed at fostering a creative, caring, accountable and professional workforce, undertook a number of targeted activities to promote employee engagement and development. On 1st March, 2019, under the auspices of the Deputy Dean for Undergraduate Matters, the Faculty organized a professional writing retreat for fifteen academic staff members with the assistance of InkWell, a United States based enterprise for coaching writing, headed by Dr Michelle Boyd.

Similarly, to strengthen existing teaching delivery capacities for online programmes, the Department of Library and Information Studies, in collaboration with the Mona Information Technology Services (MITS), organized training sessions for its academic staff on how to more effectively use the Zoom technology as a teaching tool. However, in addition to these examples that require learning new information, various departments undertook activities to promote employee physical wellness because this could also critically impact on workplace employee engagement and development. The Department of Language Linguistics and Philosophy, for example, sponsored six members of its academic staff to participate in the “UWI-5K RUN” on 11th November, 2018.

Aside from the aforementioned activities for academic staff, efforts were also made to enhance employee engagement and development among the administrative staff. Under the auspices of the Human Resource Management Division, administrative staff in the various Departments had participated in workshops aimed, among other things, on how to manage conflicts constructively. Finally, working in conjunction with the Human Resource Management Division, the Campus Registrar hosted workshops entitled “Radical Collaboration” for Deans, Deputy and Vice Deans, as well as Heads of Department. These workshops primarily taught the soft critical skills for negotiating effective and productive working relationships within the conceptual framework of “Radical Collaboration”.



## **INTERNAL OPERATIONAL PROCESSES**

The internal operational processes of the Faculty, which were designed to primarily promote and facilitate the core business of knowledge production and dissemination through research and effective teaching, have continued to benefit from the ongoing digital transformation of the Mona Campus. Development of curriculums and instructional materials at both the undergraduate and postgraduate levels were pursued via Faculty-wide subcommittees consisting of representatives from the various Departments, Schools, and Institute. These subcommittees, headed by Deputy Deans, were ably supported by administrative assistants drawn from the Faculty Office. Curriculum development activities requiring approval by Academic Board, including other matters pertaining to student development and the learning process, were routinely presented by the subcommittees to Faculty Board for discussion.

Every academic year, and the year under review was no exception, we have always worked to improve the internal operational and administrative processes undergirding the aforementioned core businesses. Improvements took the form of crafting and putting in place smarter “Operational Guidelines,” which included “Templates” for presenting new courses and programmes. Additionally, Faculty-specific “Ethics Guidelines,” to facilitate ethics clearance applications for research projects by staff and students, were revised by the Faculty Ethics Committee and subsequently approved by the Campus Ethics Committee. Overall, the effectiveness of these internal operational processes had facilitated the administration of quality control activities, fostered learning through research and teaching, and also promoted collegial relationships in the Faculty.

## **UNDERGRADUATE TEACHING, THE LEARNING ENVIRONMENT, AND STUDENT DEVELOPMENT**

### **Curriculum Development**

Accomplishments in teaching and learning, which must truly be seen as a continuation of a well-planned programme of activities to rebrand the Faculty and address its declining student enrollment, promoted the goals of access, agility, and alignment as enunciated in the “‘Triple A’ Strategic Plan.” In pursuit of these interrelated goals the following new multidisciplinary and self-financing undergraduate programmes were designed and approved for delivery in 2019/20: BA in History and Journalism; and BA in Music and Performance Studies. These programmes, with specific provisions for practicum and internship, will produce job-ready graduates well acquainted with industry standards. With forty five (45) students enrolled in the History and Journalism programme, the Department of History and Archaeology, for the first time since 2013/14, is once more on the growth path with respect to student enrollment.

Aside from new programmes, existing degree programmes and courses were reviewed for their thematic and bibliographical currencies by the Faculty Academic Quality Assurance Subcommittee (FAQAC) headed by the Deputy Dean for Undergraduate Studies. Such programmes included the BFA Special in Film Production and the BA Major in History. A new programme from the United Theological College, Licentiate in Philosophy, was also reviewed and recommended for approval to the Mona Campus Academic Quality Assurance Committee (AQAC).

The effort to maintain an admirable standard of academic quality assurance, through the Subcommittee and the Campus Committee, was given a fillip by the University Office of the Board for Undergraduate Studies (OBUS). It may be recalled that in 2017/18, under the oversight of OBUS, the School of Education, the Department of Library and Information Studies, and the English Language Section (ELS) within the Department of Language, Linguistics and Philosophy, had their programmes externally reviewed. Among other things the Review Teams recommended a more robust multimodal delivery of these programmes. During the year in review, “Action Plans” were formulated and subsequently approved by the pertinent administrative bodies to address the recommendations of the Review Teams.

### **The Learning Environment and Student Development**

Because a conducive learning environment is essential for the realization of the scholastic benefits of curriculum development, the Faculty Office has been persistently renovating the aged physical infrastructure of the Faculty since 2015/16. During the year under review, as a continuation of that effort, the extensively damaged roof of the “New Humanities Building” was replaced with financial assistance from the Office of the Campus Principal. Staff offices on the top floor of this three-storied building also got renovated immediately following the roof replacement. With forty five (45) staff offices, one videoconferencing room, six (6) small tutorial rooms capable of seating fifteen (15) students, including administrative offices for the Institute of Caribbean Studies (ICS), the overall significance of the work done to the core business of teaching and learning within the entire Faculty cannot be overemphasized.

At present multimedia facilities have been installed in all, except two, of those classrooms capable of seating between 50 and 100 students in the entire Faculty. This means that with these classrooms, multiple Zoom licenses, state-of-the-art videoconferencing room, including a Graduate conference room outfitted with multimedia equipment, the Faculty as a whole is now fairly resourced to deliver more blended programmes. The School of Education and, more recently, the Department of Library and Information Studies, must be commended for being the trend setters in the delivery of online programmes within the Faculty. This strategic thrust to increase online programme offerings has been embraced by the entire Faculty because it will ultimately boost access to education as well as bolster student learning experience and development.

As part of the expansive effort to foster student development, departments took several initiatives and performed various activities. Four examples will suffice here to demonstrate an abiding commitment to student-centeredness in the Faculty. The sum of US\$187,981.47, which came as a bequest to the Department of Library and Information Studies from the late Dr Phillipa “Pippa” Fray, has been set aside to help needy students in the Department. Having successfully launched online programmes, the Department of Library and Information Studies has also formally started online academic advising of students. At the invitation of the Director, Caribbean School of Media and Communication, Dr Angella Gordon-Stair, head of Counselling Services at the Mona Campus Health Centre, addressed the School’s academic staff at a special seminar on “Faculty as a Helping Resource for Distressed Students.” Finally, lecturers in the Linguistics Section of the Department of Language Linguistics and Philosophy collaborated with the “LOUD Club,” a social club for undergraduate students, to organize the Club’s 3rd Annual Research Conference on 18th April, 2019. The conference was primarily aimed at developing the confidence and presentation skills of undergraduate students.

### **Exemplary Achievements by Undergraduate Students**

Although across the Faculty students had undertaken many and varied out-of-classroom social and academic activities, a few of these are worth noting because of their potential implications for enhancing the image of the Mona Campus and the University of the West Indies nationally and internationally.

In mid-November, 2018, linguistics students interested in language planning had surveyed over 1000 persons in sections of Kingston and St Andrew to ascertain “language attitudes to members of the deaf community.” Given the plight of this minority population this exercise could be invaluable socially and academically. The survey findings, which were later made available to government functionaries and other stakeholders in Jamaica, could have far-reaching implications for national language policy formulation, planning, and implementation.

Mr. Cornel Bogle, 2018/19 First Class Honors student in Literatures in English, is the proud winner of the 2019 Herb Wyile Prize in Canadian Literature. His award winning essay, “The Politics of Homosociality in Austin Clarke’s *In the City*,” was published in *Studies in Canadian Literature*.

Demar Ludford, as a requirement for the BA in Librarianship, was attached to the Brooklyn Public Library in the United States as an intern. While collating and classifying a set of archival collections, Ludford found a subset of papers on Martha Gayle, a Jamaican who migrated to the United States in 1940. Driven thereafter by intellectual curiosity, Ludford wrote an essay about Gayle which was highly commended and later published on the website of the Brooklyn Public Library.

### **Teaching and Learning: Postgraduate Studies**

Oversight responsibility for new curriculum development, including the revision and renewal of existing ones, is the primary function of the Faculty Subcommittee for postgraduate studies led by the Deputy Dean for postgraduate studies. In addition to the revision of several existing courses and programmes, the Subcommittee successfully secured approval for the delivery of a joint M.Sc. programme in Media Management. This programme is yet another example of the Faculty's resolve to introduce scholastically cutting edge programmes that are flexible and market responsive.

The Subcommittee worked in various ways to enhance the learning experience of postgraduate students. Similarly, timely and theme-specific seminars were organized by the various departments to enrich the learning experience of postgraduate students. Weekly, and sometimes fortnightly, staff/postgraduate seminars aimed at discussing research findings were held across the Faculty in every department. The net benefit of this concerted effort to promote research can be seen, in part, from the following list of postgraduate students who successfully completed and defended their dissertations during the year under review: Ms. Clavia Williams (School of Education), Ms. Roxanne Burton (Department of Language, Linguistics and Philosophy), Mrs. Tashane Haynes-Brown (School of Education), Mr. Alpha Obika (Caribbean School of Media and Communication), and Ms. Carol Blanchard (School of Education).

Although the aforementioned rate of throughput fell slightly short of what was achieved in 2017/18, it is nonetheless indicative of the commitment to promote the development of research students. This commitment, in fact, has not gone unnoticed by the Mona Campus. During the year under review the Mona Research and Publications and Graduate Awards Committee, in collaboration with the Office of Graduate Studies and Research, formally recognized the Faculty of Humanities and Education for its "Outstanding Performance in the Development of Research Students."

### **INNOVATION, RESEARCH AND PUBLICATIONS**

The academic year under review witnessed a strengthening of the existing enabling environment aimed at promoting innovative and critical thinking, individual and group research endeavors, as well as the timely dissemination of research findings via teaching and publications. This enabling environment was kept agog by structured weekly (or fortnightly) staff/postgraduate seminars, symposiums, local and international conferences, as well as memorial and distinguished public lectures.

Many colleagues secured funding from multiple sources, including the Mona Campus Principal's "New Initiative Grant," and the "Mona Campus Research Fellowship," to undertake individual and/or group research projects. The outcomes of these activities

gave rise to numerous publications in the form of refereed books, book chapters, journal articles, and conference proceedings. There were also commissioned technical reports to inform the formulation of public social policies. The Table below is only a short list of the conferences, seminars and public lectures organized under the auspices of the teaching and research establishments (Departments/Schools/Institute) in the Faculty.

### CONFERENCES, SEMINARS, SYMPOSIUMS, MEMORIAL & DISTINGUISHED LECTURES

Schools/Institute/ Departments	Conferences/Seminars/Memorial & Distinguished Lectures/Symposiums
Modern Languages and Literatures (DMLL)	“10th Modern Languages and Literatures Day”
Department of History and Archaeology (DoHA)	“Human Beings and Baobab and Tamarind Trees in the Caribbean: Ethnographic, Historical and Evolutionary Perspectives on an Ancient African Mimetic Complex” (35th Elsa Goveia Memorial Lecture)
Literatures in English (DLIE)	(1) “Rero(o/u)ting” the Rhizome: Representing Relationships in Caribbean Literature” (12th Edward Baugh Distinguished Lecture) (2) International Auto/Biography Association (IABA) Americas Chapter 4th Biennial Conference
Library & Information Studies (DLIS) (CARIMAC)	“Once Upon A Time is Now!: Reclaiming and Preserving Storytelling as Caribbean Memory” (5th K.E. Ingram Memorial Lecture)
Institute of Caribbean Studies (ICS)	(1) 6th Biennial Global Reggae Conference (2) “Reggae Futurism” (22nd Annual Bob Marley Lecture)
Caribbean School of Media and Communication (CARIMAC)	(1) “The Politics of Health Communication” (9th Annual CARIMAC Aggrey Brown Distinguished Lecture) (2) “Data Protection Securing Big Data, Understanding Biometrics and Protecting National ID Systems” (6th National Cyber Security Conference)
School of Education (SOE)	“Talk the Poem National Poetry Recitation Competition”
Department of Language Linguistics & Philosophy (DLLP)	“Should the Debates about the Origins of Creole Languages Matter?” (4th Cassidy-Le Page Distinguished Lecture)
Faculty Office	“Taking Stem Education to the Next Level: Implications of Nanotechnology, Biotechnology, Information Technology, Cognitive Science and Converging Technologies for Developing Countries” (4th Faculty Distinguished Lecture)

## OUTCOMES OF RESEARCH ACTIVITIES: PEER-REVIEWED BOOK PUBLICATIONS

- Thompson S. Canute, *Reimagining Educational Leadership in the Caribbean*, Kingston, Jamaica: Univ. of the West Indies Press, 2019
- Thompson S. Canute, *Reflections on Leadership & Governance in Jamaica: Towards A Better Society*, Kingston, Jamaica: Arawak Publications, 2018
- Hope P. Donna (Ed), *Reggae Stories: Jamaica Musical Legends and Cultural Legacies*, Kingston, Jamaica: Univ. of the West Indies Press, 2018
- Bewaji, A.I. John & Doyin Aguoru (Eds), *Identity Re-creation in Global African Encounters*, United States: Lexington Books-Rowman and Littlefields, 2019
- Cevaer Francoise & Edwards Carole (Eds), *La Figure du Loser dans Le Film et La Litterature d'expression Francaise*, Presses Universitaires de Limoges et du Limousin, 2018.

## Recognition for Research Accomplishments

- Dr Michele Kennedy: Mona Campus Principal's Research Awards 2019 (Best Research Publication – Book Category)
- Dr Livingston White & Ms. Yvette Rowe: Mona Campus Principal's Research Awards 2019 (Best Research Publication – Book Category)
- Dr Canute Thompson: Mona Campus Principal's Research Awards 2019 (Best Research Publication – Article Category)
- Dr Paulette Stewart: Mona Campus Principal's Research Awards 2019 (Best Research Publication – Article Category)
- Dr Zoyah Kinkead-Clark: Mona Campus Principal's Research Awards 2019 (Research Project Attracting the Most Research Funds).

## Outreach and Marketing Initiatives

Initiatives to promote the Faculty were effectively coordinated through the Outreach and Marketing Subcommittee under the auspices of the Vice Dean. These initiatives were intended to enhance the image of the Faculty and thereby increase student enrollment, including making voluntary contributions to society through academic staff activities. With respect to the first objective, the Subcommittee, in collaboration with the Mona Campus Office for Marketing, Recruitment and Communications, visited twenty-three (23) secondary schools where presentations on the academic offerings of the Faculty were made.

To complement the efforts of the Subcommittee, the various departments also

undertook initiatives to advertise their own individual programmes to island-wide audiences. At different times during the course of the year under review, the Departments of Modern Languages and Literatures, History and Archaeology, and Literatures in English, including the Caribbean School of Media and Communication, had organized “CAPE Workshops” to assist sixth form students preparing for the Caribbean Advanced Proficiency Examinations (CAPE). The annual “Grade 9 Mathematics Problem-Solving Competition,” organized by the School of Education to promote critical thinking and problem-solving skills, took place on 11th April, 2019. Forty (40) high and junior high schools drawn from across the island participated.

Academic staff, depending on their areas of specialization, were invited by government agencies and business corporations to participate on their advisory boards with a view to formulating policies. Caribbean Examination Council, Caribbean Disaster & Emergency Management Agency, Organization of American States (OAS), Jamaica National Council on Education, Jamaica National Heritage Trust, and Jamaica Library Board, just to mention a few, had benefitted from the participation of academic staff on their advisory boards.

The Faculty in 2016/17, in an effort to promote its image and thereby boost its student enrollment, entered into an agreement with the *Sunday Gleaner* to fortnightly publish short newspaper articles on the relevance of the Humanities. Under this arrangement, which was coordinated by the Vice Dean for Marketing and Outreach, ten (10) articles were published during the year under review. Some of the titles published included: “The Liberating Power of Bilingualism” by Dr Nina Bruni, and “Protecting Caribbean Memory: The Significance of Archives and Records Management” by Dr Stanley Griffin. With the support of the University Office of the Board for Undergraduate Studies (OBUS), previous articles published in the *Sunday Gleaner* were revised and republished in a special edition of its official journal, *The UWI Quality Education Forum* (No. 23, February 2019).

## **INTERNATIONAL COLLABORATIONS AND PARTNERSHIPS**

While seeking new international collaborations and partnerships to promote research, teaching and learning, efforts were also made by the Faculty Office and the various academic establishments (Schools, Institute, and Departments) to strengthen those that were already secured. Regarding the latter, the School of Education held a joint workshop with London South Bank University (LSBU) and the University of Gloucestershire on Education for Sustainable Development. This collaborative effort was intended in part to strengthen the delivery of a recently approved self-financing programme in the School of Education, M.Ed. in Education for Sustainable Development, Global Citizenship and Peace.



As reported in the 2017/18 *Annual Faculty Report*, the Department of Library and Information Studies was granted funding by UNESCO for a feasibility study to determine the usefulness of establishing a global “Media and Information Literacy Institute.” That partnership with UNESCO was further nourished when the Department worked with colleagues at Lithuania and Latvia, Eastern Europe, to organize for the “UNESCO Media and Information Literacy Conference” in October, 2018, in Lithuania. Head of the Department of Library and Information Studies, Dr Paulette Stewart, was both a representative of The University of the West Indies in the “UNESCO-UWI Twinning Network” as well as one of the Conference Co-Chairs.

Many departments sought for, and secured, new international partnerships to enrich research, teaching and learning in the Faculty, but only two of these will be highlighted in the interest of space. First, the Department of History and Archaeology and the Department of Modern Languages and Literatures benefitted from the inauguration of a *Mexican Chair* in the University of the West Indies. This development came as a result of a bilateral collaborative agreement between the Government of Mexico and the Government of Jamaica. Dr Ruben Olachea Perez, under this agreement, visited the Faculty and gave lectures on various themes to staff and students of the aforementioned Departments from October through to November in 2018. In the words of the Head of History and Archaeology, Dr Perez’s “ideas and contribution during the time that he spent with us are greatly appreciated, especially at a time when our department is implementing significant changes regarding the content and delivery of our programmes.”

Second, via Zoom, the Department of Literatures in English and the Department of English Language and Literature at the University of Maryland, United States, agreed to co-teach two thematically identical second semester courses in 2019. These were “Literature and Ideas in the Caribbean” for the Mona Campus; and “Caribbean Literature: Literature and Ideas in the Caribbean” for the latter. Co-teaching these courses inevitably led to the sharing of related course materials and a cross-fertilization of ideas that were mutually beneficial to the intellectual and social development of the participating students and staff from both institutions. Both practically and symbolically, this type of engagement successfully demonstrated to the participating students that the University of the West Indies is indeed “an excellent global university rooted in the Caribbean.” As a Faculty, the forms of international collaboration highlighted, as well as all other preceding achievements recorded, represented growth and hope and symbolized the resolve to remain a globally competitive teaching and research entity in the Mona Campus.

# CARIBBEAN SCHOOL OF MEDIA AND COMMUNICATION (CARIMAC)

**Dr Livingston A. White, Ph.D – Director**



## INTRODUCTION

**D**uring the academic year 2018 to 2019 following meetings with the staff, CARIMAC finalized its strategic plan as part of the University's Triple A strategy. Forty-three initiatives were proposed, relating to Access, Alignment and Agility. Of that number, we have achieved 14. Another 17 are in progress as we continue discussions with the relevant stakeholders. Twelve initiatives have been halted or delayed.

One major initiative that will support the achievement of other strategic objectives is the renovation and expansion of the CARIMAC main building and CARIMAC Annexes. We have begun discussions with the Campus Projects Office about a plan that will involve upgrading of the TV, Radio and REU studios and the transformation of classrooms into smart rooms. An addition of first floors is being proposed for both the CARIMAC main and Annex 2 buildings. Those first floors will include computer labs, flexible teaching spaces, staff lounge and bathrooms.

Before pursuing that major renovation, CARIMAC is currently refurbishing a space in Annex 2 that will eventually become a lab for animation drawing tablets and computers donated by the Youth Employment in the Digital and Animation Industries (YEDAI) project. This project is funded by the World Bank and the Korean Trust Fund and implemented by the Office of the Prime Minister of Jamaica. CARIMAC WJC will also receive some of the donated animation equipment and a space is being renovated at that location to accommodate these devices. The renovations will also allow CARIMAC to significantly increase its student numbers at the undergraduate and graduate levels.

## TEACHING

CARIMAC's offering of the following five Undergraduate and three Graduate programmes was delivered as expected.

**Undergraduate Programmes**

- BA Journalism
- BA Integrated Marketing Communication
- BA Digital Media Production
- BFA Animation
- BFA Film Production

**Graduate Programmes**

- MA Communication for Social and Behaviour Change
- MA Communication Studies
- MA Integrated Marketing Communication

The Media Management programme, offered at the Masters level in collaboration with the Mona School of Business and Management, is now approved and is expected to be offered in the 2019/2020 academic year.

We continue to strengthen the support system for lecturers to communicate with students and deliver our curriculum more efficiently with the implementation of the following:

- Interns from the Faculty of Science and Technology were employed to ensure adequate technical support in the production courses.
- Discussions were held with Ms. Charmaine McKenzie, Coordinator, Campus Office of Online Learning, regarding CARIMAC's transition to delivering courses using blended teaching methods.
- Regular staff meetings with part-time and full-time members were held to facilitate robust discussions on the proposed changes. The updated Assessment Regulations for the University and the use of online technologies in the classroom were among the topics discussed.
- Acquisition of a Zoom licence enabled the hosting of meetings online for CARIMAC faculty.

Dr. Corinne Barnes and Dr. Nova Gordon-Bell worked with members of the History and Archaeology Department to prepare a new BA degree programme in History and Journalism which will be offered in September 2019.

### Summer School/Special Courses

The School continued the offering of short courses during the summer. The following short courses were offered between June 3 and July 12, 2019.

1. Writing for Public Relations
2. Public Speaking
3. Video Shooting & Editing (Basic)
4. Television Presenting
5. Producing Content for Social Media (Basic and Advanced)
6. Graphic Design (Basic & Advanced)

In an effort to increase access to the programmes that CARIMAC offers, twenty-five undergraduate courses were advertised as part of the 2018/2019 Summer School. Of that number, six courses were offered based on enrollment and student interest.

### RESEARCH

#### CARIMAC Academic Staff Research Seminars 2018/19

CARIMAC continued to host Academic Staff Research Seminars every other Wednesday. The following seminars were held during Semesters I and II.

Date	Presenter	Focus
September 12, 2018	Dr. Livingston White	The way forward (Semester I)
September 26, 2018	Dr. Anthea Henderson Mr. David Soutar	Dead babies scandal (concluded study) Teaching digital literacy in low resource environment (concluded study)
October 10, 2018	Ms. Rac-Ann Smith Mr. Kingsley Roberts	'Not Content with the Original' (Image Conference proposal) Social media marketing communication (PhD upgrade preparation)
October 31, 2018	Dr. Julie-Ann Grant	Managing funding for research (guest presentation). Academics from the communication departments of NCU & UTech joined the session as part of an on-going attempt to promote research collaboration
November 14, 2018	Mr. Alpha Obika Dr. Livingston White	Diasporic mediascapes and transnational flows (publication proposal) Communicating during public health emergencies: Jamaica's ChikV outbreak (book proposal)
January 31, 2019	Dr. Livingston White	The way forward (Semester II)
February 13, 2019	Dr. Delroy Chevers	Meeting The UWT's publication target (guest presentation)
March 13, 2019	Dr. Kallia Wright	Research experience, grant writing and co-authoring (guest presentation)

Date	Presenter	Focus
March 27, 2019	Mr. Alpha Obika	Communication policy reforms in the Caribbean (PhD defense preparation)
	Mr. Kingsley Roberts	Social media marketing communication (MPhil upgrade preparation)
April 10, 2019	Ms. Jodiann James	Local government communication effectiveness (MPhil proposal)
	Ms. Kareen Guscott	The viability of online learning in the context of the digital divide (MPhil proposal)

## CONFERENCES/WORKSHOPS AND TRAINING

### Cyber Security Conference

On November 27 and 28, 2018, CARIMAC hosted the sixth National Cyber Security Conference under the theme “Data Protection Securing Big Data, Understanding Biometrics and Protecting National ID Systems”. The Conference was held at the UWI Regional Headquarters, Mona. Attendees ranged from leaders of financial institutions, business executives, IT specialists, regulators, media practitioners, to academics and researchers.

### Special Seminar for Academic Staff

Dr. Angela Gordon-Stair, head of the Counselling Service at the University’s Health Centre, facilitated a special academic staff seminar in January 2019, on “Faculty as a Helping Resource for Distressed Students”.

### Peter Abrahams Centenary Symposium

CARIMAC, in association with the Department of Literatures in English and the University Library, hosted the Peter Abrahams Centenary Symposium on March 5, 2019 at the Multifunction Room, UWI Main Library. The presenters included Mr. Gary Allen, CEO, RJRGleaner Communications Group; Lord Anthony Gifford, Attorney-at-Law and Dr. Jason Frydman, Associate Professor of English, The City University of New York, USA. The High Commissioner of South Africa to Jamaica, Her Excellency, Ms. Lumka Yengeni gave the opening address. The event was sponsored by the RJRGleaner Communications Group.

### **Facilitation of Professional Development Session for CDEMA**

Dr. Livingston White facilitated a professional development session on “Communicating During Crisis: Delivering Ethical and Effective Messages.” The session was held on April 8, 2019 in Barbados as a precursor to the tenth meeting of the Technical Advisory Committee (TAC) of the Caribbean Disaster Emergency Management Agency (CDEMA).

## **PRESENTATIONS AND PUBLICATIONS**

### **Book Launch**

The launch of *Still on Air: Producing Television in Small Markets* was held on November 21, 2018 which is recognized by the United Nations General Assembly as World Television Day. This book is written by Dr. Livingston White and Ms. Yvette Rowe. They both received the **Principal’s Research Award for Best Research Publication (Book)** in the Faculty of Humanities and Education during the UWI Research Days 2019.

### **Papers Presented**

- Mr. David Soutar presented on the topic “Digital Innovation for Social Good” at the UNDP Social Good Summit held at the Northern Caribbean University (NCU) in October 2018. He also served as a member of the panel for the CAPRI Report Launch and Panel Discussion on the topic “Transparency, Growth and Transformation: Unleashing the Power of Open Government Data”, held at the Terra Nova Hotel.
- Dr. Corinne Barnes presented on the topic “The Role of the Media in Upholding Linguistic Rights” at The World Association for Christian Communication (WACC) global conference in Castries, St. Lucia. The conference that was held February 25 to 27, 2019 had as its theme “Exploring the Intersections between Communication Rights, Linguistic Diversity and Sustainable Development”.
- The 44th Annual Caribbean Studies Association (CSA) conference was held from June 3 to 7, 2019 in Santa Marta, Colombia. CARIMAC lecturers made the following presentations:
  - a. **Mr. Steffon Campbell** presented on “A Caribbean Man’s Analytic Autoethnography of Suicide”.
  - b. **Dr. Alpha Obika** “Diasporic Media Scapes and the Effects of Transnational Flows on the Popular Music of Trinidad and Tobago”.
  - c. **Ms. Yvette Rowe** “Tuned Out: How Gender, Race and Colonialism Muted Una Marson’s Legacy”.

- The World Social Marketing Conference was held in Edinburgh, Scotland from June 4 to 5, 2019. Dr. Livingston White presented a paper titled, “No Scandal: Eliminating Single-Use Plastic Bags Among Jamaican Consumers” which explored the media campaign to support the ban on single-use plastic bags in Jamaica.
- The International Association of Media and Communication Research (IAMCR) Conference was held in Madrid, Spain from July 7 to 11, 2019.
- **Dr Livingston White** presented on “Communicating During Public Health Emergencies: The 2014 Chikungunya Outbreak in Jamaica”.
- **Dr. Alpha Obika** presented on “Postcolonial Governmentality of Communication: Theorizing ICT Governance in a Caribbean context”.

## OUTREACH ACTIVITIES

Over the year CARIMAC organized the following public events that involved the participation of students:

### **Mona WJC Seminar**

On Friday October 19, 2018, CARIMAC WJC, hosted Mr. Byron Harmon, Vice President, WNYW Fox5 News, who delivered a lecture on “Creating News for Today’s Media Market”. A small group from CARIMAC, Mona, attended that lecture.

### **Game Design Hackathon**

This inaugural event was held from January 25–27, 2019 in the CARIMAC Annex II lecture room and involved the CARIMAC lecturers, who provided mentorship to the participants who showcased their talent.

### **UWI Research Days**

CARIMAC students and staff were actively involved in the Campus Research Days activities, held February 6–8, 2019. One of the displays took the form of a mini cinema where short films produced by CARIMAC’s Film Production and Animation students were shown.

### **Film Rush 2019**

“Film Rush”, an annual Film workshop, was held from March 8–10, 2019 in CARIMAC Annex II. This event is a joint venture between CARIMAC and Frame of Reference, a Post Production facility in Kingston. This activity exposed high school students to different areas of film production. Filmmaker, Mr. Gerald Hynes, conducted a workshop for the participants on Friday, March 8 after which the teams

wrote, shot and edited their films. A screening and an award ceremony was held on Sunday, March 10.

#### **CARIMAC Internship Orientation and Job Fair**

The annual student job fair was held on April 5, 2019. This activity is a component of the final year IMC students' course work. It is geared at enhancing the professional skills of level 3 students and also gives them an opportunity to meet potential employers. Some students were able to acquire jobs during this activity. Earlier that day, students at level 2 were engaged in an orientation session to prepare them for their internship.

#### **KINGSTOON 2019**

KingstOOOn 2019 was hosted by the World Bank YEDAI project at the University of Technology, Jamaica (UTech) from Friday, April 5 to Sunday, April 7, 2019. CARIMAC Animation students participated in the event. The School contributed by awarding scholarships to the winners for the categories Best Storyboard, Best Character Design, Best Caribbean Short Film, Best Concept, Best Student Film, and the winner of the Pitch Development Boot Camp Competition. The winners were given the opportunity to pursue a CARIMAC Summer Short Course.

CARIMAC lecturer, Mrs. Chevonnese Chevers Whyte, was among the panelists in the discussion on "Animation Education in Jamaica and Trinidad and Tobago" and part-time lecturer, Mr. Kori Thompson, conducted the workshop on "How to Make it in the World of Freelancing".

#### **CARIMAC CAPE Communication Studies Revision Seminars**

The 4th installment of the CAPE Communication Studies seminars was held on April 13 and 27, 2019. Approximately 600 high school students from across the island attended the 2-day event. The use of an online registration system was helpful in the organization of the sessions. The Faculty Office supported the event by allocating additional rooms for the sessions. Dr. Rosemarie Heath, the FHE Associate Dean in charge of outreach and marketing coordinated a display promoting the Faculty's programmes.

#### **CARIMAC OPEN WEEK 2019**

CARIMAC hosted another successful Open Week from April 15 to 18, 2019, showcasing the work of the students at the School. The following events took place:

#### **CARIMAC Student Network (CSN7) & CINEMAC**

On Monday, April 15, between 1:00 and 3:00 pm the final year group of Animation,



Film Production as well as the IMC students, participated in the first events of CARIMAC Open Week. Between 6:00 and 8:00 pm the CARIMAC Student Network (CSN7), a group of Television Journalism and IMC students, presented their final year television journalism projects.

#### **Mental Wellness Seminar**

The IMC final year students at CARIMAC Mona Western Jamaica campus staged a Mental Wellness Seminar as part of the Open Week activities. Motivational speaker, Ms. Krystal Tomlinson, gave the keynote address.

#### **CARIMAC Distinguished Lecture**

The 9th Annual CARIMAC Aggrey Brown Distinguished Lecture was held on April 17, 2019 at 6:00 p.m., at the CARIMAC Annex II building. The lecture was presented by CARIMAC graduate, Dr. Ellen Campbell Grizzle, who is now Associate Professor at the University of Technology (UTech). The lecture was titled “The Politics of Health Communication”.

#### **Top Radio Documentaries**

On Thursday, April 18, the top two documentaries produced by the Journalism students were presented to an audience of media practitioners, business people and students. The documentaries titled, *Long Live Free Grenada* and *Rasta Revelation*, produced by Trellona Charles and Kimeisha Ellis, respectively, were well received and the students were commended for their efforts.

#### **Launch of DIGI TIMES 2019**

CARIMAC launched the 2019 edition of the annual student publication, *CARIMAC TIMES*, as *DIGI Times*, in a special ceremony at CARIMAC Annex II building on April 18, 2019. The event included a panel discussion on “Journalism and the Changing Digital Media Landscape” with panelists Mr. Tyrone Reid and Mrs. Kalilah Reynolds of Nationwide News Network, Mr. Damion Mitchell of the RJRGleaner Communications Group and Ms. Kelly Silvera of CVM Television.

### **PARTNERSHIPS/COLLABORATIONS**

#### **MOU between CARIMAC AND Phase Three Productions**

As part of Phase Three Productions’ 35th anniversary celebrations, that entity signed an MOU with CARIMAC that will see Phase Three Productions allocating J\$500,000 toward an internship programme for CARIMAC students over the next five years.

**STAFF MATTERS**

- 1 Following Mr. Mel Blake's retirement, Mr. Alistaire McLaren was appointed Information Technology (IT) Officer effective August 2018.
- 2 Dr. Livingston White was appointed Director of CARIMAC effective August 2018.
- 3 Mrs. Tanneice Ellis, Senior Administrative Assistant, completed her MA in Higher Education Management (Distinction) and graduated in November 2018. In that same month she also attended the 2018 Accessible Americas Conference in Montego Bay.
- 4 Mr. Kwasi Tinglin assumed the position of Senior Network Technologist in December 2018.
- 5 Ms. Sheree Austin, Administrative Assistant, completed the BSc. in Gender and Development Studies and Minor in Human Resource Development. She graduated in November 2018.
- 6 Miss Jayécinth Gordon, Research Assistant, completed the MA in Communication Studies and graduated in November 2018.
- 7 Dr. Nova Gordon-Bell assumed the position of Lecturer effective January 2019.
- 8 Miss Nardalee Powis, Administrative Assistant, Graduate Programmes resigned effective April 25, 2019.
- 9 Mr. Alpha Obika completed his PhD Oral Examination in June 2019.
- 10 Dr. Anthea Henderson went on sick leave for Semester II, Academic Year 2018/2019. She resumed duties in August 2019. Dr. White, Dr. Gordon-Bell and Dr. Obika covered her teaching responsibilities with the assistance of graduate level students who conducted some of the tutorials to which she had been assigned.

**CONCLUSION**

CARIMAC remains committed to supporting the development of the Faculty of Humanities and Education. We continue to work closely with the various departments to ensure we offer exciting and relevant academic programmes. We thank the Dean, Faculty of Humanities and Education, Professor Waibinte Wariboko, Deputy Deans, Heads of Departments and all our colleagues in the FHE for the support they have given us during the 2018/19 academic period. We look forward to continue working together to achieve our strategic objectives.



## DEPARTMENT OF HISTORY AND ARCHAEOLOGY

**Dr. Enrique Okenve, – Head of Department**

### INTRODUCTION

**D**uring the current academic year, the Department of History and Archaeology has proactively responded to the series of long-standing challenges, particularly as it relates to the decline in student enrolment and academic staff shortage. In addition to these issues, that have especially affected the Department since the academic year 2013/2014, this year we also had to contend with a rapid transition in the leadership of the Department. Undoubtedly, the extraordinary effort and commitment by both the academic and administrative staff have been the most positive aspect of the Department's performance through the year. Thanks to this, we have successfully met the Department's numerous commitments and, most significantly, we have made strides to correct some of the internal factors that have contributed to the decline in student enrolment. To this effect, the Department has been engaged in a thorough process of curriculum review that has resulted in the approval of two programme proposals – the new BA History and Journalism and the revised BA History – in addition to 7 new course proposals and the submission of two course proposals that AQAC was not able to review at its June meeting. All of this has also been possible thanks to the leadership of the Dean of the Faculty of Humanities and Education (FHE), Professor Waibinte Wariboko, and the work and support of members of the FHE, particularly Dr Livingston White, Director of the Caribbean School of Media and Communication (CARIMAC), and Dr Saran Stewart, Deputy Dean for Quality Assurance and Undergraduate Matters. We expect that the ongoing process of curriculum review, which will continue over the next two years, will significantly enhance our position and competitiveness. We expected to start seeing positive results in academic year 2020/2021, but, thanks to the FHE initiative to vigorously advertise the BA History and Journalism, positive results were visible as early as September 2019.

## ACADEMIC MATTERS

During AY 2018/2019 student enrolment in all the programmes and courses offered by the Department of History and Archaeology was clearly unsatisfactory, as we only saw a marginal improvement compared to the previous academic year. The addition of two new undergraduate courses had somewhat positive results even though total enrolment in either course did not meet our expectations. During AY 2018/2019, the Department continued relying on attractive posters and flyers that were posted across campus and our social media outlets to improve course enrolment, particularly for those courses that have underperformed in recent years. While we believe that this is a useful tool in terms of immediately boosting course registration, overall results are somewhat modest. It is clear that we need to develop a better understanding of what factors determine course registration, especially regarding non-majors, before we can design and implement a more effective marketing strategy for our courses. We expect that the offering of the BA History and Journalism and the revamped BA History will attract more majors, which will in turn attract more non-majors to our courses. Student satisfaction—word of mouth—is undoubtedly the most effective marketing tool that we can rely on.

### Undergraduate Programmes

Registration in all undergraduate programmes continued the unsatisfactory trend of the past few years; 27 new students in our five programmes compared to 17 students the year before. This is hardly surprising considering that the Department did not implement any significant change and, fundamentally, relied on social media and departmental activities to improve the visibility and appeal of its academic offering. Low student registration especially affected our North American, Asian, European and Global history courses. This was especially so in the case of two level-II courses—“Peoples, Wars & Revolution: North America to 1815” and “Imperialism Since 1918”—which had to be cancelled due to extremely low registration. Staff shortages also undermined our African and Latin American history courses, as we were only able to offer one level I African history course and no Latin American history course this year. The Department currently lacks a Latin-Americanist and our two Africanists are engaged in administrative responsibilities as faculty dean and acting head of department respectively. The addition of one level I course—“The Origins and Growth of Modern Sport, 1850–1945”—and one level II course that was developed by our colleagues in St Augustine—“Digital History”—contributed to an improvement in our overall course registration numbers, despite not meeting original expectations. We believe, however, that these two courses have potential for growth, particularly in the case of “Digital History”, which is very much in line with the kind of skilled-oriented programmes that the Department is currently developing.

## **Graduate Programmes**

Our graduate programmes suffer from the same lack of student enrolment as the undergraduate programmes. There is no doubt that the dramatic decline in student enrolment at undergraduate level has seriously affected our graduate programmes, as the latter traditionally feed from students completing our BA degrees. In addition, there are some indications that the slow completion by graduate students has deterred prospective students from applying for either MA programmes. Indeed, this has been a concern within the Department, as we realize that students' slow completion of their programmes is a very poor indicator of our programmes' performance and the worst publicity that we can receive. As in the past two years, the Department organized a series of workshops to help students through the process of developing their research proposals. Admittedly, these workshops need to be more firmly structured and we need to implement changes to make student participation compulsory since, in some cases, our efforts were undermined by poor student attendance and participation.

While the MA Heritage Studies continues to attract more students than the MA History, student enrolment—five in the MA Heritage Studies this academic year—makes both MA programmes inviable as they are. In addition, both MA programmes have been seriously undermined by the Department's current staff shortage, since we are unable to offer both programmes simultaneously. Thus, despite receiving a similar number of applications for both MA programmes this year, we have been forced to put the MA History on hold and recommend prospective students to apply for the MA Heritage Studies instead.

Overall, our existing graduate programmes are not competitive and need to be thoroughly revised or replaced by more viable, attractive alternatives. We have started preliminary work and we expect to develop graduate programme proposal/s during the first semester of the 2020/2021 academic year.

## **Curriculum Review**

During the current academic year much of the Department's effort has focused on the development of academic programmes and courses to meet the needs and aspirations of twenty-first century students. We realize that the dramatic decline in student enrolment unequivocally means that the Department's academic offering is neither attractive nor relevant.

Encouraged by Dean Waibinte Wariboko and with Drs Livingston White and Corinne Barnes' inestimable support, we developed a BA History and Journalism programme proposal that combines the analytical and research skills of History and the communication strategies and skills of Journalism. In this proposal, History

courses make up nearly two thirds of required courses, whereas Journalism and Communication courses make up the remaining third. In developing this proposal, we did not simply use existing courses from both CARIMAC and our Department, but we also developed new courses, such as level I “Caribbean Media since 1717”, which will be co-taught by both departments. The proposal also includes a level III capstone course that will enhance the skill-oriented nature of the programme. The proposal was approved by the Board for Undergraduate Studies (BUS) at the end of May 2019.

Right at the start of the curriculum review process, it became evident to us that, for the BA History and Journalism or future, similar proposals to be effective, we needed to update our existing BA History programme. Thus, the development of any combined History programme will hinge on an updated and sound BA History programme that should also stand on its own in the years to come. In revising the BA History, we addressed three fundamental issues: the perception of lack of job opportunities for History graduates; the challenging nature of History as a subject; and the unattractive or unappealing nature of History courses. The revised BA History proposal, therefore, emphasizes the development of transferable skills through varied course assignments and, especially, a level III year-long “History Capstone Seminar” course. In addition, the proposal includes two level I courses – “The Study of the Past in the Atlantic World” and “An Introduction to World History” – that will assist students in developing the necessary tools to navigate more effectively history content and assignments. The proposal also includes a new level I survey of Jamaican history – “Out of Many: The Development of Jamaican Society” – that should help students to better relate to historical discussions from either the wider Caribbean or other world regions. In total, we submitted 9 course proposals although only 7 were approved due to AQAC’s busy agenda at the end of AY 2018/2019. We expect to develop new courses over the next few years in an effort to have a more relevant and attractive course offering. The revised BA History will be offered in two versions, one including the regular History requirements, and another that will allow majors to develop a specialization in each of the languages offered by the Department of Modern Languages and Literatures. Students choosing to take on the “Foreign Language Specialization” will have to declare this option at the beginning of year two. This proposal was approved by BUS at the end of May.

## **STAFF**

Over the past few years, eight members of the Department have either retired or resigned. Recently, we learnt of the resignation of Professor Matthew Smith. This news exacerbates the staff shortage that we have experienced for the past few years. Currently, the Department only has five permanent faculty in addition to two junior faculty on temporary contracts. Staff shortage is especially critical in three of the

geographical areas that have been central to the Department's academic offering. At the moment, the Department has only one senior Caribbeanist, no Latin-Americanist and one Africanist whose current administrative responsibilities prevent him from teaching level II and III African History courses. While the remarkable commitment and effort by both academic and administrative staff has made it possible to meet our regular obligations and develop initiatives, such as the curriculum revision, to improve our current standing, there is little doubt that this situation is hardly sustainable. On the one hand we understand that the Department's low student enrolment makes the recruitment of academic staff very difficult but, on the other, it is very challenging to develop the necessary responses to the challenges that we face without the required personnel. On a positive note, Dr Oshikiri's contract was extended for three years, effective August 1, 2019.

### Teaching

While low student enrolment has made it difficult in some cases to meet the required 10-contact hours, this has not been as challenging as in previous years due to the Department's staff shortage.

### Publications

#### Dr Zachary Beier

- 'Jamaican Archaeology and High-Tech Human Stories', in *The UWI Quality Education Forum*, The Humanities and Education in Focus, February 2019, num. 23, pp. 37–40.
- Hayley L. Mickleburgh, Jason E. Laffoon, Jaime R. Pagán Jiménez, Angus A. A. Mol, Selvenious Walters, **Zachary J. M. Beier**, Corinne L. Hofman, 'Precolonial/early colonial human burials from the site of White Marl, Jamaica: New Findings from recent rescue excavations' in *International Journal of Osteoarchaeology*, January 2019, vol. 29, issue 1, pp. 155–161.

#### Dr Enrique Okenve

- 'An island in the middle of everywhere: Bioko under colonial domination,' in Toyin Falola, R.J. Parrot, and D. Porter Sanchez (eds.), *African Islands: Leading Edges of Empire and Globalization* (Rochester, NY: University of Rochester Press, 2019).

### Public Lectures

#### Dr Zachary Beier

- "Archaeology and Remembrance: A Black Garrison at the Cabrits, Dominica

(1763–1854)” (19 pp.), *A Fortified Sea: The Defense of the Caribbean During the Eighteenth Century and its Precedents*, Campus of the University of Seville, Seville, Spain, September 2018.

- “Finding Forts and Their Communities: CEO and his Two Cents” (12 pp.), 52nd Conference of the Society for Historical Archaeology, St. Charles, Missouri, USA, January 2019. Paper was presented in an invited session titled “The Transformation of Historical Archaeology: Papers in Honor of Charles E. Orser, Jr.”
- “Taino inna yaad: Summer 2018 Findings and Archaeological Heritage at White Marl, St. Catherine, Jamaica” (6 pp.), co-authored with Hayley L. Mickleburgh, Clive Grey and John Shorter. 17th Symposium of the Archaeological Society of Jamaica, Kingston, Jamaica, March 2019.
- “Archaeology inna di garrison: From British Forts to Jamaican Dancehall” (31 pp.), Department of Anthropology Seminar Series, Kenyon College, Gambier, Ohio, USA, February 2019.

#### **Dr Renee Nelson**

- Lecture, “‘London is the Place for Me?’ The Windrush Generation and its Legacy,’ School of Drama, Edna Manley School For the Visual and Performing Arts, 10 October 2018.
- ‘US intervention in: Cuba and Puerto Rico (1898); Panama (1903); Haiti (1915), the Dominican Republic (1916) and Grenada (1983),’ National Museum Jamaica annual CSEC Lecture Series, 1 April 2019.

#### **Dr Enrique Okenve**

- ‘Transformational Energies?: Political transitions, youth movements, and extractive economies in Central Africa’, Roundtable Panel Discussion, 61st African Studies Association Annual Meeting, Atlanta (US), 1 December 2018.
- ‘Looters as Soldiers: Fear and Order in Colonial Equatorial Guinea, 1910–1940.’ Point Sud Workshop. The Long Term: Tracing Legacies of Violence in Francophone Equatorial Africa. Omar Bongo University, Libreville (Gabon), 24 November 2018.

#### **Dr Taka Oshikiri**

- ‘Higher Education for Women in late Meiji Japan’, presented to the 11th International Convention of Asia Scholars (ICAS 11), Leiden University, the Netherlands, 16–19 July 2019.
- ‘Selling Tea as Japanese History: Culture, Consumption and International Expositions, 1873–1910’, presented to the Research Seminar at the Institute of Caribbean Studies, the University of the West Indies, Mona. 1 November 2018.
- ‘Noble Daughters of the Meiji Period’, presented to the British Association for



Japanese Studies Annual Conference 2018, University of Sheffield, United Kingdom, 5–7 September 2018.

#### **Professor James Robertson**

- ‘Searching for Slaves’ Housing in Jamaica: Glimpses of Lives in Constrained Spaces’, 5th Annual Slave Dwelling Project Conference, Slavery, Resistance, and Community, Middle Tennessee State University, 25 October 2018.

#### **Dr Karl Watts**

- ‘The Government Savings Bank of Jamaica (1870–1960) and questions of underdevelopment in the British Empire’, West Indies Economic Conference hosted by the Department of Economics, March 21, 2019.
- ‘The Continued Application of Underdevelopment Schemas to the Understanding of Caribbean Economic History’, Confrontations: UWI Student Protest and the Rodney Disturbance of 1968, UWI-Mona, 19 October 2018.

#### **Fellowships/Awards**

Dr Renee Nelson received a visiting fellowship from the Yesu Persaud Centre for Caribbean Studies at the University of Warwick. From June 10 to June 24, Dr Nelson visited this institution, where she conducted research on the impact of West Indian migration on the United Kingdom during the post-World War II period. During her fellowship she worked under the supervision of Professor Roberta Bivins.

### **DEPARTMENTAL ACTIVITIES**

#### **Confrontations Conference**

During much of the month of October DOHA staff was heavily involved in the final preparations and the execution of “Confrontations: UWI Student Protests and the Rodney Disturbance of 1968” This international conference and exhibition served to reflect on the historical conditions leading to the so-called Rodney Riots and the socio-economic changes that both the UWI and the Caribbean region have experienced since this historical event. This conference, held during October 19–20, was a UWI 70 event and the result of a joined effort between the UWI Museum and the DOHA. The conference attracted presenters from the Caribbean Region and elsewhere in the world, including the United States and United Kingdom. Over the two day-long conference, several scholars and social activists engaged in insightful discussions that dealt not only with the historical circumstances surrounding the UWI student protest of 1968 but wider socio-economic issues that still affect the Caribbean youth and wider society. The Conference was generally well attended and it was recorded by UWI TV for rebroadcast.

**Elsa Goveia Memorial Lecture**

On March 12, 2019 the Department held its 35th Annual Elsa Goveia Memorial Lecture. This year's lecture was delivered by Professor Emeritus John Rashford who spoke to us about "Human Beings and Baobab and Tamarind Trees in the Caribbean: Ethnographic, Historical and Evolutionary Perspectives on an Ancient African Mimetic Complex". The lecture, held in the Eon Nigel Harris Council Room of the UWI Regional Headquarters, was well attended and even better received. Professor Rashford's passion for the topic and engaging personality made the audience easily connect with a subject that many in attendance were not particularly familiar with. The nature of this year's topic also signalled the Department's decision to further the exploration and reflection on past human experiences from a cross-disciplinary approach. After the success of this year's lecture, the Department is looking forward to receiving Professor Rashford's full lecture for publication. We would like to release the publication of his lecture along with the planting of a baobab tree in the vicinity of the FHE and, thus, enhance the Campus' rich botanical repertoire.

**Staff/Graduate Seminars**

Despite staff shortage limitations and the numerous commitments that the Department has been involved in during the 2019/2019 academic year, we continued holding our Staff/Graduate Seminar series regularly. This year, Dr Taka Oshikiri joined Dr Enrique Okenve as coordinator of the Seminar. While Dr Okenve led much of the effort in the initial stages, Dr Oshikiri took over most of the responsibility in the latter part of the academic year, once she transitioned into her new role as seminar coordinator. The Department held 12 seminars, including 5 cross-campus seminars in partnership with sister departments in Cave Hill and St Augustine. As customary for the past few years, MA students were also given the opportunity to present their work at the Staff/Graduate Seminar during one special session held in February and two additional sessions held in May. The improvement in the FHE's internet infrastructure and the addition of new multimedia rooms significantly improved this year's experience, particularly as it relates to cross-campus seminar participation. Given these technological improvements, we are considering live-streaming some seminar sessions in the 2019/2020 academic year to widen the reach and visibility of the Department.

**Parish Histories of Jamaica Project**

For much of the year this project was put on hold due to changes in the management team at the JN Foundation, our partner in this project. Accordingly, Dr Jenny Jemmott, lead researcher, was instructed to complete the writing of St Catherine's history and put on hold research on any other parish until further notice. Dr Jemmott submitted the first draft of St Catherine's history on December 2018. Following a

productive meeting with Mrs Onyka Barrett Scott, JN Foundation General Manager, in which JN Foundation reaffirmed its commitment to the Parish Histories of Jamaica, in April Dr Jemmott was given the go ahead to resume research for the completion of additional parish histories. Ongoing research on St Elizabeth and St James will lead to the completion of these two parish histories at the end of 2019. The Department highly values this project, as we believe that it will strongly contribute to the promotion of History, particularly at the high-school level where both teachers and students generally lack reliable information on relevant aspects of local history. To date, the following parish histories have been completed: St Thomas, Trelawny, St Mary and St Catherine. Some of these histories are already available for the general public on the JN Foundation website.

### **ARCHAEOLOGY FIELD SCHOOL AND WHITE MARL EXCAVATION**

The 2019 UWI Mona Archaeological Field School continued collaborative archaeology at the White Marl Taíno village that began in 2016 and which was supported by the New Initiative Grant funding during the summer of 2018. Following a break in excavations at White Marl at the end of July 2018, The UWI Mona team assisted the JNHT with site mapping and archaeological excavations for ten days in January and February 2019. Excavations between summer 2018 and the beginning of 2019 focused on an area that includes the now closed White Marl Taíno Museum along with a large distribution of shell middens and a high frequency of artefacts. The route of the Mandela highway expansion is predicted to impact a large section of this area situated along the current East bound strip.

Archaeological fieldwork between the end of April 2018 and the end of February 2019 involved excavation and documentation of archaeological stratigraphy as well as drone fly overs and site mapping using a total station theodolite (TST) for the creation of accurate maps and 3D models of the current White Marl landscape. The JNHT and UWI Mona team targeted two areas behind the White Marl museum for extensive archaeological investigation, including a large midden/refuse area in the southwestern and north-eastern portions of the site. Excavations began in the summer of 2018 in the southwestern zone and recovered a large quantity of artefacts along with a human burial in a seated or semi-reclined position. Beginning in January 2019, the JNHT and UWI Mona team added approximately 7 more one-metre square extensions in this study area. Along with the recovery of artefacts and extension of excavations to the bedrock/subsoil at approximately 2.5 metres, the JNHT and UWI Mona archaeologists revealed two more human burials approximately 3 metres north of the human burial identified in the summer of 2018. In contrast to the previously discussed seated/semi-reclined burial, these two new burials appear to have been arranged in flexed/foetal position. Additionally, excavations between the summer of 2018 and February 2019 in the north-eastern zone recovered thousands of artefacts

along with 3 human burials in flexed/foetal position and 2 burial pots, with one of the pots likely including the remains of an infant. The investigation of this burial pot with possible infant is ongoing. The team of JNHT and UWI Mona archaeologists is collaborating with radiologists from the UWI Mona Basic Sciences Medical Complex to carry out a CT-scan of this pot burial for a more complete understanding of this remarkable find.

### **MEXICAN VISITING CHAIR**

On October 1 the Department of History and Archaeology welcomed Dr Ruben Olachea Perez as Mexican Visiting Chair. Dr Olachea's affiliation with DOHA was the result of a collaborative agreement between the Government of Mexico, through its embassy in Jamaica, and the University of the West Indies, through the Latin American and Caribbean Centre (LACC). Dr Olachea conducted several public lectures on and off the Campus and was a guest lecturer in a few of the courses taught within DOHA. The first lecture was delivered in the UWI Regional Headquarters on October 9. This event was very well received and served to introduce Dr Olachea's work and the activities planned for his visit. At the said event, Dr Olachea presented on the topic "Discovering Mexican and Jamaican Greatness." Dean Waibinte Wariboko invited Dr Olachea to submit a final version of his inaugural lecture for publication.

During the second half of his stay Dr Olachea delivered three public lectures. On October 14, Dr Olachea presented at the Staff/Graduate Seminar series. The title of his presentation was "Film Heritage in Mexico: Legitimization of the Mexican State through Cinema." This was a cross-campus seminar in which our colleagues in St Augustine were also able to participate. On November 5, Dr Olachea presented to fifth and sixth-form students at the Simón Bolívar Cultural Centre. The title of his presentation was 'Memes in Mexican Media'. This was a very interactive experience in which high-school students were able to share their views about history in relation to memes shared by young Jamaican students. This was the first collaboration ever between the Simón Bolívar Cultural Centre and the DOHA and we expect to have further collaborations in the future, particularly as it relates to outreach activities among non-university students. Finally, on November 6 Dr Olachea delivered his last lecture in Jamaica. Along with the Department of Modern Languages and Literatures, the DOHA hosted a public lecture under the title "Knowing Stereotypes to Transform Them: Mexican Cinema, Past and Present." Once again, Dr Olachea showed how film can successfully inform discussions about culture and history while engaging students in the process. Dr Rubén Olachea left the country on November 11. His ideas and contribution during the time that he spent with us are greatly appreciated, especially at a time when our department is implementing significant changes regarding the content and delivery of our programmes. We are grateful for the opportunity given by both the Embassy of Mexico and the University of the West

Indies and we will be happy to advise other departments within and outside of the FHE when they are selected to host future Visiting Mexican Chairs.

## **RESEARCH DAYS ACTIVITIES**

The Department of History and Archaeology successfully and intensively participated in the 2019 Research Days activities. At the main Research Days exhibition, the Department exhibited a replica of the archaeological excavation at White Marl (St Catherine) that the Department has been involved in for the past year. The exhibition served not only to showcase the research activities of the Department but also to bring awareness about the need to reconcile infrastructural development and the preservation of the country's rich heritage. White Marl is site to an important Taino settlement. In addition, the Department contributed to the Research Days exhibition with an exhibit on the Confrontations Conference that was organized by the Department of History and Archaeology in October 2018. The Confrontations Conference attracted international scholars who, for two days, reflected on the implications of the so-called Rodney riots and the significance of youth activism and activism in general. The Department's exhibit showcased the significance of historical research and discussions on civil society and activism to the framing and articulation of inclusive development policies. Finally, the Department also contributed to the smaller exhibition organized by the Faculty of Humanities and Education in its courtyard. For two days, the Department showcased the entrepreneurial possibilities of the island's rich and diverse heritage through a display and sale of traditional Jamaican dishes as well as cosmetics made with local, natural products.

## **ACADEMIC VISITS**

During February 11–14, the Department hosted Professor Claudia Theune and her research team from the University of Vienna (Austria). Professor Theune is a renowned archaeologist whose work has uncovered most valuable information about the daily experiences of interns and political prisoners in interment and concentration camps of the Second World War. As part of her investigation into the extreme and diverse experiences of individuals in in this type of settings, Professor Theune seeks to include the Caribbean to the study of this global phenomenon. As it became evident during her visit to the Mona Campus, archaeological research in the area formerly occupied by the Gibraltar Camp can add valuable insight to the diversity of experiences of displaced and confined people in the context of warfare. The visit of Professor Theune and her team laid the foundations for future collaboration between the Department of Prehistoric and Historic Archaeology at the University of Vienna and the Department of History and Archaeology at the UWI-Mona. As culmination to her visit, on February 13 Professor Theune delivered a public lecture under the title: "Research in

Internment Camps: The Archaeological Contribution”. This public lecture was hosted by the Department of History and Archaeology and the Archaeological Society of Jamaica.

In January 2019, we received the visit of Michael Becker, a PhD Candidate in Caribbean History at Duke University, who became affiliated with the Department as part of his Fulbright Fellowship. Mr Becker regularly attended our Staff/Graduate Seminar series where he also presented a paper, “‘Whatever Property They May Be Able to Acquire’: Enslaved People’s Claims to Property in Jamaica’s Slave Courts, 1780–1834’ on February 22. Mr Becker will carry out research in Kingston until mid-November 2019.

### **CARIBBEAN HISTORICAL RESEARCH UNIT (CHRU)**

The CHRU Room was renovated and rearranged to create a better working environment particularly as we seek to encourage graduate students to do more collaborative work and use the CHRU resources, including bibliographic and archival material.

### **Caribbean Foodscapes Project**

The second Caribbean Foodscapes Co-Analysis workshop was held July 10, 2019, in the Ramson room of the Regional Headquarters of the University of the West Indies. The Caribbean Foodscapes research team was joined by international stakeholders from St Lucia, Barbados and Haiti as well as local stakeholders from the fields of spatial planning, health, and history.

The Caribbean Foodscapes project is funded by the UK’s Medical Research Council and Arts and Humanities Research Council Global Public Health Partnership Award [MR/R024324/1].

## **OUTREACH AND PROMOTION**

### **Social Media and Website**

The Department has continued to make active use of its social media outlets—Facebook, Twitter and YouTube—and website to widen its reach and increase its visibility. While the number of followers continues to increase, it is difficult to assess the impact of these tools as it relates to the promotion of the Department’s programmes and events. Undoubtedly, one of the most challenging aspects to maintain a wide social media footprint is the creation of content. Mrs Rudy-Ann Dennis Copeland has done an excellent job managing both our social media and website, but it is evident that more support is needed in order to improve our content creation. The Department will continue making active use of social media since this is, undoubtedly,

the best way to reach out to existing and prospective students while promoting departmental events a minimum cost.

### **CAPE History Lectures and Workshops**

On April 6 and 13, the Department held its annual Cape History Lectures. Attendance was significantly better than in previous years, particularly on April 13 when unit two topics were delivered. Over the two days a total of five lectures were delivered along with three workshops on each day. The latter were particularly foregrounded this year in order to assist students in three particular areas: Writing history essays using the analytical approach; revising history topics ahead of exams; and the necessary steps to approach document type essays. Both lectures and workshops were generally well received and we were advised to offer the workshop earlier on in the academic year to improve the benefits of the sessions for students. For the first time we made use of zoom to reach participants who could not attend in person and, in addition, we live-streamed unit two lectures on our YouTube channel. Having learnt some valid lessons from this experience, we intend to fully implement the live-streaming of the CAPE History Lectures next year.

### **School Visits**

Most of the efforts by the Department's outreach team focused on visits to schools which in most cases were coordinated by the FHE Outreach Committee. As such, during Semester 1, the Department visited a total of three high schools—St Andrew High, Ardenne and Wolmers Boys. In addition, during Semester 1 the outreach team also participated in activities at Edna Manley and the Taíno Heritage Camp and UWI Information Day. During Semester 2, the following schools were visited: Mona High, Bishop Gibson High, Garvey Maceo High, Black River High and Buff Bay High. These visits served to expose high school students to the programmes offered by the Department as well as the attractive activities and initiatives held by the Department.

### **2019 Sankofa**

As part of the Department's effort to enhance its outreach profile and further collaboration with entities within and outside of the UWI, the Department collaborated with the Liberty Hall: The Legacy of Marcus Garvey in the 2019 Sankofa activities. Sankofa celebration uses history to strengthen the connection between people of African descent and their African roots. This year, Sankofa focused on the topic of apartheid and its legacy and it was held on March 21 to join South Africans as they celebrated their Human Rights Day. The event was a success and we hope that it served to encourage students to either major in History or take history courses as free



electives when they join the UWI. The success of this event would not have been possible without the collaboration of FHE. Its staff and the resources made it possible for us to connect with our guests in South Africa via Zoom video-conferencing.

## **LOOKING AHEAD**

In the upcoming academic year, the Department will have to consolidate the work done for the past twelve months, particularly as it relates to the curriculum review process that will have to be continued and expanded at both undergraduate and graduate levels. While it is not expected that we will be able to immediately reverse the continued decline in student enrolment that the Department has experienced for the past few years, the ongoing curriculum development has provided us with a good-quality academic product that we can market to prospective students from as early as September 2019. No doubt, the work initiated this year will require the recruitment of new faculty to increase our yearly course offering, share departmental duties more efficiently and improve our overall competitiveness at both teaching and research level. In the upcoming academic year, we will also seek to improve our organizational and administrative systems, while boosting collaboration across all levels of the Department. As part of the process of modernization, we will seek to engage in both consultancy and research projects that can generate much needed resources within UWI's current context of budgetary constraints. Finally, we will need to implement new measures to allow us to become a truly student-oriented Department that can effectively and promptly respond to the needs of our students while encouraging us to become a more dynamic organization.



## DEPARTMENT OF LANGUAGE, LINGUISTICS AND PHILOSOPHY

Dr Ingrid McLaren, BA., MA., PhD, (UWI) – Head of Department

### OVERVIEW: WORK OF THE DEPARTMENT

The 2018/2019 Academic year was one in which the Department sought to further its Operational Plan (adapted from the 2017–2022 UWI Strategic Plan) in the following areas:

- Teaching and Learning & Student Development
- Outreach and Engagement /Activism & Public Advocacy
- A Creative, Caring, Motivated and Professional Team
- Research Innovation & Publication
- Financial Health/ Income Generation

### TEACHING AND LEARNING: STUDENT DEVELOPMENT & LEARNING ENVIRONMENT

The enhancement of Student Development and the Learning Environment for both undergraduate and graduate students was achieved in a variety of ways. These included, but were not limited to, the exposure and immersion of students in a variety of fora aimed at enlivening and increasing the relevance of their studies; and the enhancement of Graduate students' research skills via targeted sessions as well as opportunities to engage with new environments.

It will be noted that there is an overlap in some instances between Teaching and Learning/Student Development and Outreach and Engagement/Activism Public Advocacy.

It will also be noted that the above two areas were areas in which the Department was most heavily invested.

For instance, in Mid November 2018, students in the Language Planning Linguistics course surveyed over 1000 informants in various areas of Kingston and St. Andrew on

Language attitudes to members of the Deaf Community. This provided not only a learning experience but also offered the opportunity of sharing their findings with relevant stakeholders inclusive of Minister Floyd Morris and teachers etc. at an Applied Linguistics Symposium entitled: **“We are People too: Linguistic Discrimination in Jamaica’s Deaf Community”** held on March 26, 2019. Further details of this Symposium may be seen under the ‘Outreach and Engagement’ Section of this Department.

Additionally, the Linguistics LOUD club’s 3rd annual Linguistics Undergraduate Research Conference held on April 18, 2019 under the theme **“Linguistics for Life”** served both **Outreach and Engagement** purposes as well as **Student Learning and Development**. Lecturers were asked to select and prepare students from first to third year, to make presentations based on their research findings. The conference was designed to:

1. Develop the confidence level and presentation skills of our undergraduates
2. Expose them to conference settings and procedures
3. Ignite interest in pursuing graduate studies in Linguistics
4. Engage the general public with the research of the section
5. Engage in liaising between our graduate and undergraduate students.

Students are usually rated by graduate students who select male and female presenters. This year’s judges were Okeyno Morgan and Genya Johnson.

There were ten presentations with approximately 30 attendees.

On Thursday, May 21, 2019, 21 students enrolled in the course “The Profession of Interpreting” (LING 3909), visited the Jamaica Conference Centre (JCC), downtown Kingston.

This is an exercise that students in this course engage in annually. It brings alive the situations discussed in class and prepares them for the mock conference which forms part of their assessment (albeit in consecutive, not simultaneous, mode and usually in a conference room at UWI, Mona).

### **Graduate Students**

A Cross Campus Abstract Writing Workshop for Graduate Students in preparation for the Mervyn Alleyne Commemorative Conference (MAC) held in June 2019, was successfully held on Tuesday, December 18, 2018 in the FHE, Mona, Faculty Conference Centre. Facilitators were Dr. Karen Carpenter and Professor Hubert Devonish.

For the second year in a row graduates have had the opportunity of engaging in this

ten -week research coaching initiative. The main aim of this programme is to enhance output as well as to accelerate completion.

Two graduate students, Sashann Dixon (MPhil) and Annife Campbell (PhD), are currently on a four-month exchange programme at the University of Freiburg, Germany. We are confident that this opportunity will enable them to accelerate their progress on their respective theses.

### **English Language Section (ELS) Response to the February 2018 Quality Assurance Review**

The areas which garnered the most focus from reviewers are also the areas on which the English Language Section is focused on making changes. These are:

- Curriculum
- Teaching Learning and Research
- Assessment and Learning Outcomes.

Based on the above areas the ELS has expressed its commitment to:

- Engage in the review and revision of its courses – FOUN 1014 in particular which is currently offered to Science and Technology and Medical Sciences Students
- Enhance its engagement with technology to better respond to the needs of students and enhance alignment with their interests.
- Review via research the effectiveness of FOUN 1019, currently offered to students who have been unsuccessful in the English Language Proficiency Test
- Provide more student friendly rubrics
- Review purpose and weighting of ELPT
- Support aggressive marketing measures for reaching weaker students (to include what is available via the Writing Centre and OURVLE); and introduce online/face-to-face workshops on the mechanics of language for floundering students
- Adopt Writing Programme Administrator Policy which involves “Evaluating the intellectual work of Writing Programme Administrators”
- Lobby Administration for Promotion to be tied to Writing Programme Administration Work.

A meeting is currently being arranged with the Principal et al. to further discuss the way forward concerning these matters.

## OUTREACH AND ENGAGEMENT/PUBLIC ADVOCACY

The inclusion of Outreach and Engagement activities as part of the DLLP'S Operational Plan is geared towards exposing members of the Campus Community and the general public to the work of the Department. We hope that awareness of what we do in the various Sections will lead to an increased appreciation of what we have to offer, and will result in increased buy-in into our Programmes by the public and prospects, particularly in relation to Linguistics and Philosophy. There is also the anticipation that these activities will garner support from business entities via internships, involvement in mentoring students and sponsorship. It was therefore gratifying that the Academic year 2018/2019 saw a wide variety of activities from all three sections that included Outreach on and off campus.

The Department hosted International Day of Non-Violence – Mahatma Ghandi Day on Tuesday, October 2, 2018 under the Theme: “Live your life as Light” in Neville Hall Lecture Theatre (N1). Philosophy students treated the audience to a series of brief performances that included key aspects of Ghandi's leading role in India's freedom movement, and non-violent protest. In attendance were Indian High Commissioner, Sevala Naik, members of the Indian Cultural Society, staff from the Department/Philosophy Section and members of the Campus Community.

**The Sounds of Advocacy, Language and Liberation Conference**, to commemorate International Creole Day and also to honour Professor Hubert Devonish, Distinguished retiree of the Department, was held on October 25 and 26, 2018. There were thirty (30) presenters with over 100 attendees, thirty-seven (37) of whom were registered conference participants. Participants represented a wide range of international universities that included University of the West Indies – Mona, Cave Hill (St. Augustine via Zoom); New York University; University of Cincinnati; Stanford University; Colgate University. **A proposal coming out of the Conference is the Publication of two volumes on Language Rights, Language Policy and Linguistic Discrimination** which will be edited by Drs Nicole Scott and Sandra Evans and another, more general one, which will be edited by Drs Clive Forrester, Nickesha Dawkins and Kadian Walters.

Publication Officer is Dr Joseph Farquharson.

The Department also supported the Jamaica Language Unit's staging of the **4th Cassidy –Le Page Distinguished Lecture** which was presented by renowned Linguistics Professor John McWorter, currently Associate Professor of English and Comparative Literature at Columbia University. The Lecture, entitled, “**Should the debates about the origins of Creole languages matter?**” took place on November 9 in the Multi-Functional Room, Main Library, and was well supported by members of the Faculty and the Campus community.

**Linguistics Day** was staged on Thursday November 22, 2018. Students from Ascot High, Holy Childhood, and Jose Marti were invited. The Day involved the presentation of workshops in areas such as Communication Studies, and Sign Language, and there was also the staging of a variety of Linguistics – related activities geared at arousing students’ interest and exposing them to this area of study.

**UWI/UNESCO Philosophy Day** was held November 15 at the Undercroft, under the theme: “**No Abuse, No Harm: Each Child is the Future**”. Among the list of honoured guests were the Honourable Minister Floyd Green, State Minister in the Ministry of Education, Youth and Information, Mr. Everton Hannam, Secretary General, Jamaica National Commission for UNESCO, and Superintendent Charmine Shand, Head of the Centre of Investigations of Sexual Offences and Child Abuse (CISOCA) who gave the Main Address on issues relating to rape, abuse, reporting of such matters, etc. The event was well attended, in particular, by approximately 150 high school students from a number of schools, mainly outside of the Corporate Area.

Additionally, and in keeping with the English Language Section’s commitment to engage in outreach activities across the campus, **Haidee Heron**, Coordinator, Writing Centre, presented on the topic ‘**Writing Well**’ to approximately 30–40 students in the Faculty of Social Sciences on November 8. The presentation focussed on all aspects of the writing process from exploratory reading to final draft and marrying students “online life” with academic writing.

**Dr Michele Kennedy**, JLU Coordinator, participated in a discussion on *Teaching in Patwa* on ‘All Angles’ hosted by Deon Jackson-Miller on Television Jamaica (TVJ) on Wednesday November 14.

The **Jamaican Language Unit (JLU)** participated in the Wycliffe Caribbean Bible Translators Conference held at the Knutsford Court Hotel January 8th-10th. The aim of the Conference was to launch the translation of the Old Testament, an initiative of Wycliffe Caribbean. **Dr Kennedy** also facilitated a workshop entitled ‘Language matters: Language choice in Creole-speaking communities’ leading discussions on the blocks which may exist, from the point of view of language, to Jamaicans owning the process.

The **JLU** is one of the 4 partners in the initiative, and mounted a display with 3 facets – a storyboard tracing the history of Creole languages, a brochure and posters profiling the languages of the Caribbean and standing display boards outlining the stages involved in the translation of the New Testament, completed in 2012. As a result of the publicity which the Conference enjoyed, **Dr Kennedy and Mr John Roomes**, CEO of Wycliffe Caribbean, were invited to discuss aspects of the translation of the Old Testament on Smile Orange on TVJ on January 14th.

**Dr Michele Kennedy**, in her JLU role of language consultant to the Wycliffe Caribbean project to translate the Old Testament into Jamaican Creole, was interviewed

on January 22 over the phone in a 20 minute programme on Love 101 along with Mr John Roomes CEO of Wycliffe.

On January 24, 2019, **Dr. Caroline Dyche** co-facilitated the inaugural workshop by the Caribbean Association for Tertiary-Level Academic Literacies Practitioners (CATALP). The workshop was entitled 'Approaches to the Development of Tertiary-level Literacies in the Caribbean: Reflection & Strategies', and took place at the University of Technology, Jamaica from 10 am–1 pm.

On January 24, 2019 **Dr Michele Kennedy**, with support from **Mrs Susanna Campbell-Blagrove** promoted the MA in the English Language offered by the JLU, by presenting the programme to a group of CATALP members at their conference at University of Technology, Jamaica.

**Dr Carmeneta Jones** conducted a workshop on "*Building a caring School Part 5: Ethics and the teacher*" with teachers at the St. Paul's Infant School on March 1, 2019.

The Department of Language, Linguistics and Philosophy, presented six successful Critical Thinking and Fun with Language Workshops to 94 high school students, as a part of its contribution to The UWI, Mona, University Research Day 2019. Presenters were **Haidee Heron**, **Professor Tunde Bewaji**, and **Dr Carmeneta Jones**, who also planned and coordinated activities. The teachers who accompanied the students expressed their sincere gratitude and appreciation to the Department for the timely and invaluable initiative.

The Professional Development of Primary School Teachers Model Delivery began in the week of February 11. The project is a language awareness based initiative by **Dr Michele Kennedy**, **Prof Silvia Kouwenberg** (DLLP) and **Dr Yewande Lewis-Fokum** of the School of Education. It involves the training and observation of teachers from Grades 1–4 from 5 schools as follows: 1 in Kingston, 1 in Portmore, 1 in Angels and 2 in St James. Trainers, who had themselves been trained by the organizing team are provided with a manual outlining content and methodologies, slides and all teaching materials required. The training will last for 7 weeks. The project is funded by a New Initiatives Grant and endorsed by the Ministry of Education.

**Sashann Dixon** and **Kadeyne Marshall** led an interactive session in N1 entitled *Raitina Jamiekan* ("Write in Jamaican") to 6th formers primarily from Excelsior. The Cassidy-JLU writing system was presented using a slideshow, and students were given the opportunity to practise. The final exercise was the reading of passages projected on PowerPoint slides. There was follow up on this activity, when the JLU celebrated International Mother Tongue Day by facilitating a workshop offered to the academic community on the Cassidy-JLU writing system.

On Friday March 1st, the Jamaican Language Unit (JLU) in association with the Department of Language, Linguistics & Philosophy marked the **International Year of**



**Indigenous Languages** by hosting a forum under the theme ‘Rediscovering Arawakan’. Dr Ivor Conolley presented on “Taino culture and language: Exploring the images of the Patoo Hole cave”. Dr Fred Kennedy presented on “Taino: Indigenous language and culture”, and Mrs Daidrah Telfer on “The anatomy of language documentation: The case of Lokono (Arawak) Guyana”.

The Department’s Third Annual Symposium “**We are People too: Linguistic Discrimination in Jamaica’s Deaf Community**” was held on March 26 and was hosted by Dr Kadian Walters, Linguistics Section Coordinator. Discussants included Senator Dr Floyd Morris, Dr Keren Cumberbatch, and Professor Emeritus, Hubert Devonish. As mentioned previously, students in the Language Planning course shared their findings in this forum from their survey on discrimination regarding members of the deaf community.

**Dr Joseph T. Farquharson** was a panelist on Nationwide 90 FM discussing the decriminalisation of swearwords in Jamaican dancehall [circa 25 minutes].

### **A CREATIVE, CARING, MOTIVATED AND PROFESSIONAL TEAM**

The above area was evidenced via the accomplishments and commitment of our staff members who were promoted, recognised for long service to the Department, academic excellence and excellence in Teaching. Details are as follows:

#### **Indefinite Employment (Instructors)**

- Annife Campbell
- Norty Antoine
- Paulette Bell-Kerr
- Julian Hylton-Chambers

#### **Excellence in Teaching**

UWI/Guardian Life Premium Teaching Awards were presented to **Dr. Carmeneta Jones, Ms. Jasmin Lawrence and Mrs. Lileth O’Connor-Brown** who were recognized for having scored 4.5 and above on the 5 point scale for Student Evaluation of Teaching. The Ceremony took place on November 8, 2018 at the Mona Visitor’s Lodge.

#### **Awards for Long Service to the UWI**

- Caroline Dyche (30 years)
- Yvette Mundy Whyte (30 years)

- Ama Ababio (15 yrs)
- Carmenta Jones (15 yrs)
- Ava Mundell (15 yrs)

### **Academic Excellence**

#### **Promotions**

Dr Lawrence Bamikole was promoted to the rank of Professor.

Dr Joseph Farquharson was promoted to Senior Lecturer.

#### **Awards/Recognition of Excellence**

Professor Hubert Devonish was conferred with the title of Professor Emeritus

Dr Michele Kennedy received the Principal's Award for Best Research Publication in the Faculty of Humanities and Education for her book *What do Jamaican Children Speak? A Language Resource*. The presentation ceremony took place on February 8 at the Mona Visitor's Lodge.

Professor John Ayotunde (Tunde) Isola Bewaji was also the recipient of the Vice Chancellor's Award for Excellence in Research Accomplishments in June 2018. The Award Ceremony was held at the Mona Visitor's Lodge on October 29, 2018.

Michele Kennedy's book "*What do Jamaican Children Speak? A Language Resource*" was featured at the UWI, Mona's Library "Celebration of Books" Exhibition on October 8, 2018.

Professor John Ayotunde (Tunde) Isola Bewaji was appointed Senior Research Associate, University of Johannesburg, Republic of South Africa, effective January 1, 2019.

### **RESEARCH AND PUBLICATION AND CONFERENCE PRESENTATIONS**

#### **Refereed Publications**

Cumberbatch, K. "Teaching Sign Language for Healthcare within a Languages for Specific Purposes Framework". *Journal of Languages for Specific Purposes* 6 (2019, March): 31–40.

McLaren, I. "Science Students' Responses to an Oral Communication Skills Development Initiative: Attitude and Motivation". *International Journal of Teaching and Learning in Higher Education* 31, 1 (2019, Jan): 73–85.

### Book Chapters

**Beckford, T.** “The Implications of Text Messaging for Students’ Writing”. In *English Language Teaching in a Post-Method Paradigm*. Edited by Paulette Feraria: I.G.I Global, 2019 June, xxii, 28 pgs.

### Journals (Edited)

**Dyche C.** (ed.). “Institutionalizing Best Practices for Higher Education in the Caribbean”. *UWI Quality Education Forum*, 2018. xxii.

**McLaren, I , Ramsay, P.** (eds). “The Humanities and Education in Focus”. *UWI Quality Education Forum [Special]* 2019. xxiii.

### Conference Presentations

- **Dr Michele Kennedy:** “*Variation in the speech of Jamaicans, and its consequences for the L2 acquisition of English*”, 22nd Biennial Conference of the Society for Caribbean Linguistics, Costa Rica, August, 5–12.
- **Dr Caroline Dyche:** “*The ‘Academic Literacies’ legitimacy struggle: Advocacy insights from a UWI ‘scutworker’*” at “Sounds of Advocacy, Language & Liberation” Conference in honour of Professor Hubert Devonish, UWI, Mona, October, 25, 2018.
- **Dr Vivette Milson-Whyte:** “*Performing Academic Literacies: Brian Street’s Legacy in/on Academic Writing in the Caribbean*”, 70th Annual Convention of the Conference on College Composition and Communication (CCCC), Pittsburgh Pennsylvania, March 13–16, 2019 (10 slides; 6 pp).
- **Professor Lawrence Bamikole:** “*Beauty: The Ethics and Technology of Identity Alteration*”. Cave Hill, UWI Philosophy Symposium, Cave Hill, Barbados, April 24–26, 2019.(22 pp).
- **Khimaja Connell:** “*Mimicking Humanity: Sentience and Artificial Intelligence*”, Cave Hill, UWI Philosophy Symposium, Cave Hill, Barbados, April 24–26, 2019 (12 pp).
- **Professor Lawrence O. Bamikole:** “*Bob Marley and Frantz Fanon: Two Perspectives on Liberation*”: *Shifting the Geography of Reason XVI: Resistance, Reparation, Renewal*”. Caribbean Philosophical Association, Brown University, Providence, Rhode Island, USA, June 6 and 8, 2019.(19 pp).
- **Dr Joseph T. Farquharson** “*Reconstructing Akan day-names: Supporting evidence from the Caribbean.*” Paper presented at the Mervyn Alleyne Commemorative Conference, held at The University of the West Indies, Mona campus, June 7–8, 2019.

- **Dr Sandra McCalla:** “*An Ethical Analysis of Performance Enhancement Drugs in Sports.*” Paper presented at the Canadian American Conference for Academic Disciplines, Ryerson University, Toronto Canada, June 9–15, 2019.
- **Dr Joseph T. Farquharson** “*Continuity in word-formation: The case of the Jamaican nominal suffix -i.*” .Paper presented at the Summer Conference of the Society for Pidgin and Creole Linguistics, held at the University of Lisbon, June 17–19, 2019.
- **Dr Ingrid McLaren:** “ *Transdisciplinarity in Action: Creating an Integrated Curriculum Via the Infusion of Oral Communication Skills into the Chemistry Curriculum*”. Canadian International Conference on Education (CICE-2019), University of Toronto Mississauga, Canada June 24–27 (12 slides (8 pp)).
- **Professor Lawrence Bamikole:** “*Rastafari Conception of God and the Afro-Caribbean Existential Realities*”, 9th Toyin Falaola Annual International Conference on *Africa and The African Diaspora* (TOFAC 19), Babcock University, Ilishan-Remo, Nigeria, July 1–3, 2019. (20 pp).
- **Dr Joseph T. Farquharson** “*Glossaries in a creole context.*” Paper presented at the 6th International Symposium on History of English Lexicography and Lexicology, held in Gargnano, Italy, July 26–29, 2019.

## LEARNING ENVIRONMENT

### **Equipment**

The Department continues its attempts to enhance the learning environment via the acquisition of projectors, laptops etc.

### **Writing Centre**

Upgrading of the Writing Centre continues with the refurbishing, and acquisition, where necessary, of new furniture. The Centre was also given a much needed face lift with the painting of its interior in a more suitable colour. Efforts are currently being made to mount one of the projectors, mentioned above, in the main teaching area of the Centre.

### **Website**

The Department is close to completion of the reconfiguring, enhancement and expansion of its website. An important aspect of the improved website will be interactive spaces where students will be able to engage in autonomous learning activities. If things go as planned we expect to have reconfigured functioning website before the end of the current Semester.

**NON-ACADEMIC SECTIONS /SELF-FINANCING /INCOME GENERATING****Writing Centre**

The Writing Centre continues to offer individual coaching and writing workshops, but these activities tend to be sporadic and for this reason, plans are being put in place to revamp the current system to expand services and attain a level of consistency in what is being offered to enable an increased /consistent generation of income.

**International English Language Testing System (IELTS)**

The IELTS Centre, housed in the Writing Centre, continues to be a major income earner as it continues to fulfil its key mandate of delivering English Language tests to applicants seeking visas for study or residence in the UK and other Commonwealth countries. Tests are offered at the Mona and Western Jamaica Campuses.

The UKVI Test, administered by the IELTS Centre, continues to be held quarterly although it is the view of the Coordinator that it should be abandoned as so few persons are interested in taking it.

The Centre is constantly being encouraged by the British Council to expand its offerings to meet the overwhelming demand here in Jamaica. This expansion will become possible with the addition of two floors to the current Writing Centre. The Centre will therefore be able to better meet expectations as, with more space, they will be able to offer the Test to more applicants, on a more frequent basis. The proposed start date for the expansion is May 2020.

**English Language Proficiency Test Unit (ELPTU)**

The English Language Proficiency Test Unit continues its role of testing the proficiency of incoming students who have not met the requirements for being admitted directly into the Foundation English Language courses.

The Unit is able to meet all financial requirements associated with the Test. These include an Academic Coordinator, markers, examiners etc. and a prospective Administrator, which we are hoping will be in place in the coming academic year.

**The Jamaica Language Unit (JLU)**

The main income earner for the Jamaican Language Unit (JLU) is the MA in the English Language.

Although the Unit had in its earlier years, filled its mandate initially as a self-financing unit, there has been a downturn in this area due to a number of factors.

Efforts are however being made to identify and take advantage of income earning opportunities, one of which is assuming the role of language consultant to the Wycliffe Caribbean project to translate the Old Testament into Jamaican Creole, scheduled to start in January 2020.

# DEPARTMENT OF LIBRARY AND INFORMATION STUDIES

Dr. Paulette Stewart, PhD NCU, Jamaica – Head of Department



## *Mission of the Department*

*“To provide the highest standard of teaching and research to produce library and information professionals, well equipped to face the challenges of the dynamic information environment, and to provide leadership in managing the information needs of the Caribbean for the twenty-first century and beyond.” (2011 Revision)*

## TEACHING AND LEARNING

### New Programme and Courses

#### **BA in Librarianship and Education**

One of the Department’s strategic objectives under The UWI Triple A is to increase access to and participation in higher education. To achieve this goal, the Department is collaborating with the School of Education to develop the BA in Librarianship and Education with specializations in Literacy Studies and Information Technology. The programme should be ready for approval by December 2019. This is supported by the Quality Assurance Review Committee report as one of its recommendations is to rebuild a programme for school librarianship with different options.

### Teaching Resources

#### **Upgrading of the facilities & technology**

Five new computers were purchased and added to the Computer Laboratory to increase access to computers by students from 25 to 30 computers.

#### **Articulation – Council of Community Colleges of Jamaica (CCCJ)**

In response to the recommendations of the Quality Assurance Committee Report, the Department resumed the articulation exercise to see if graduates from the CCCJ

Associate of Science in Library Technical Studies could get exemption with credit from the five Level 1 library courses. A meeting was held on Wednesday April 10, 2019 with Dr. Christine Marrett, Senior Programme Officer in the Office of the Pro-Vice-Chancellor of Global Affairs and Dr. Angella Stephens, Senior Programme Officer from the Office of the Board of Undergraduate Studies. The report outlining the competencies taught in the two Level 1 courses which were not yet articulated and other courses from CCCJ were considered. The decision was taken to submit LIBS1201 Management of Libraries and Information Units I and LIBS2103 Metadata Creation for Library Catalogues II for articulation.

### **International Academic Accreditation**

Another way in which the Department is seeking to provide more access to prospective students is by gaining international professional accreditation for its programmes. This will attract more students to the Department as they will be able to transfer credits to another library school outside of the Caribbean as well as be able to work in other countries.

So far, the undergraduate courses are already mapped to the Chartered Institute of Library and Information Professionals (CILIP) the Professional Library Association to which we are seeking accreditation. The mapping of the graduate courses will be completed before the end of this academic year. The Department will then begin to formally liaise with The UWI Quality Assurance Unit to assist in the process of application to the Chair of CILIP, Ms. Helen Berry for accreditation.

### **Quality Assurance Review (QAR) March 12–16, 2018**

The Department received the report from The UWI Quality Assurance Unit. Overall, the report indicated that the major strength of the Department is its ability to respond to the changing environment, the significant changes to the degree programmes in response to the 2012 Quality Assurance Review, the introduction of new courses and the move towards multi-modal delivery of both the undergraduate and graduate programmes. The Department's QAR Response and Action Plan based on the recommendations will be presented at the May 2019 Faculty Board Meeting.

## **STAFF/GRADUATE SEMINARS AND RESEARCH**

### **Staff/Graduate Research Seminars**

To achieve our objective under The UWI Triple A **Alignment 1**, the Department planned and implemented the Staff/Graduate Seminars in order to disseminate research findings to relevant stakeholders and promote greater activism and public advocacy. The following Staff/Graduate Research Seminars were held during the year.



- *Stanley Griffin (Lecturer)* – Fighting for Rights with Records’: How Rastafari Decolonized the Jamaican Archives, May 2018
- *Gweneth Clarke (Student)* – A Survey of Mico University College Students’ Encounters and Responses towards Fake News, December 14, 2018
- *Annakaye Eccelston (Student)* – The Impact of Information and Communication Technology on Library Services Offered in Selected HEART Trust/NTA Institutions for the Period 2010–2015: An Investigation, April 25, 2019
- *Jannelle Duke (Student)* – In the Beginning: Surveying Trinity Cathedral’s Archival Records, April 25, 2019
- *Desaray Pivott-Nolan (Student)* – Validating with Style: the Archival Value of the Postage Stamp, April 25, 2019.

### **DLIS Principal's Research Initiative**

The Department’s objective of disseminating research findings to relevant stakeholders was met on Tuesday, October 16, 2018, when the DLIS presented the findings from a UWI Principal’s Research Grant Initiative funded study entitled: “*Media and Information Literacy Levels at the Exit Stages of the Education System in Jamaican Schools: A Survey.*” Attendees were a group of key stakeholders in the Jamaican education system, such as librarians, teachers, school leaders, students, etc. The function was hosted by the DLIS in the UWI Library’s Multi-Functional Room. The second such presentation took place at the Western Jamaica Campus on May 9, 2019 where librarians from Community Colleges, other librarians and graduate students were in attendance. The final presentation will take place at the Ministry of Education Youth and Information before December 2019 to the relevant stakeholders so that action can be realized based on the recommendations made by the Department.

### **DLIS Research Forum**

To showcase the research conducted and in process by staff, students and practitioners in the archives, library and information environment, the DLIS held its 6th Research Forum on Thursday, February 7, 2019 at 1:00–4:00 pm in the Multifunctional Room at the UWI Main Library. Professor Anthony Clayton of the Institute of Sustainable Development delivered the Keynote Address under the theme, “*Legal and Ethical Issues in Information Security: Integrity in the Information Environment.*” Six posters were presented on varying topics in Library and Information Science and Archives and Records Management. Presenters were faculty, graduates and practitioners in the archives and information studies environment. This was a worthwhile and successful event as the Department saw the need for expanding its teaching of information literacy and the inclusion of media literacy in our course offering.

To fulfil both the alignment and agility of The UWI and the Department's Strategic goal, the Department held its 2019 Summer Institute on June 11–13 under the theme, "Transforming Galleries, Libraries, Archives and Museums (GLAMS) in the 21st Century: A Workshop on Developing Innovative Skills, Techniques and Tools". This three-day workshop explored communication innovations in the 21st century which impact on how information is created, used, shared and maintained. The presenters were from: Amsterdam, Aruba, Jamaica and Trinidad and Tobago. Ninety (90) archivists, librarians and information professionals attended from Barbados, Cayman Islands, Jamaica and Suriname. Eighty (80) participants attended face-to-face and ten (10) online. Participants received a certificate of participation at the end of the Summer Institute.

### **UWI Research Days – February 6–8, 2019**

Under the theme "UWI Mona: Driving Research for Social and Economic Development". The Department promoted Prof. Fay Durrant based on her ground breaking work with regards to "Regional Access to Information" and Dr. Ruth Baker-Gardner as a young researcher based on her present research on plagiarism at the academic level. In addition, Dr. Rosemarie Heath's research article "*Toward TVET Certification: The Experiences, Attitudes, and Perceptions of Weekend Spa Therapy Trainees at the HEART College of Beauty Services (HCBS)*" was accepted for The UWI Research Day Booklet. The Department also facilitated two outreach booths throughout Research Days, which housed promotional material on the Department.

### **Ken Ingram Distinguished Lecture**

The Department of Library and Information Studies in collaboration with The UWI, Mona Library, the National Library of Jamaica and the History and Archaeology Department had the **5th K E Ingram Memorial Lecture** on Thursday, November 8, 2018 at 5:30 p.m. as one of the events for UWI 70th Anniversary Celebrations. Titled, "*Once Upon A Time is Now!*" *Reclaiming and Preserving Storytelling as Caribbean Memory*", the Guest Speaker was Dr. Amina Blackwood-Meeks, *Storyteller, Orator, Edna Manley College of the Visual and Performing Arts*. The lecture series, which honoured the late Mr. Kenneth Ingram, University Librarian from 1971 to 1981, has been established as part of the effort to recognize his work as a librarian and scholar, and his contribution to the development of historical sources in the Caribbean.

## OUTREACH AND PROMOTION

### Visits to Schools

As part of the Faculty of Humanities and Education Marketing and Outreach Committee and representing the DLIS, Mr. Mark-Jeffery Deans visited the Immaculate Conception High School, St. Andrew High School for girls, Alpha Academy and the St. Catherine High School. There he participated in providing guidance for prospective students and answering queries geared towards the library and information profession.

### DLIS Website Update 2019

The website for the Department has been redesigned to reflect more fully the Department's programme offerings. Its new and simple design allows for greater navigation to related pages and additional links for functionality which enhances efforts of increased student support. Additionally, pictures have been updated and adds to its visual appeal. Notable new features include:

- “Ask a librarian” – which allows patrons to posts queries to the librarian for instant feedback
- Quick link to navigate to the Department's Facebook page
- Additional space for updating visitors to upcoming events.

## INTERNATIONAL PARTNERSHIPS

### UNESCO/UWI MILID Conference

In continuing to build relevant and value-added relationships with International partners the Department was involved in the planning and execution of the UNESCO Media and Information Literacy Conference that was held on October 24–26, 2018 at the Vytautas Magnus University (Lithuania) and University of Latvia (Latvia Kaunas, Lithuania Riga, Latvia. Dr. Paulette Stewart, HOD was one of the Co-Chairs for the conference and attended as one of The UWI representatives of UNESCO UWI Twinning Network.

## RESEARCH ACTIVITY AND OUTPUT

### Book Chapter

- **Griffin, Stanley.** *“Putting Up A Resistance: Rastafari Records, Struggles and Triumphs”*, Bastian, Jeannette, John Aarons, Stanley H. Griffin, (eds) *“Decolonizing the Caribbean Record: An Archives Reader”*, Sacramento: Litwin Books, November 2018, 475–502.

**Peer-reviewed Journal**

- **Stewart, Paulette.** School Library Design, Facilities and Resources for Sustainable Cognitive and Social Development of Students: An Evaluative Case Study School, *Library Worldwide*. Vol. 24 No. 2 July 2018.

**Non Peer-reviewed Journal**

- **Griffin, Stanley.** "Giving Enduring Life Sources: The Value of Archival Memory in the Caribbean's Cultural Heritage." 13 December 2018 [https://issuu.com/ndtc/docs/ndtc\\_journal\\_vol\\_7\\_2018](https://issuu.com/ndtc/docs/ndtc_journal_vol_7_2018)
- **Griffin, Stanley.** Humanities Matters Series: "Preserving Memories: Significance of Archives and Records Management," *The Sunday Gleaner*, 4 November 2018

**CONFERENCES/WORKSHOPS/SEMINARS ATTENDED**

- **Baker-Gardner, Ruth.** Presenter, 27th Annual International Center for Academic Integrity Conference, "The State of Academic Integrity in the Caribbean," New Orleans, USA, March 8–10, 2019.
- **Griffin, Stanley.** Guest Lecturer, University of Manitoba, Graduate Programme in Archival Studies: "Archival Decolonization: It's Not Just for Canada", February 15, 2019.
- Guest Lecturer, UWI Open Campus, Grenada, "RIM Compliance & Standards for Recordkeeping", February 18, 2019.
- Guest Speaker, Jamaica Library Service, Harbour View Branch Library, Black History Month Reading Competition, February, 28, 2019.
- Presenter, "Fighting for Rights with Records: How Rastafari Decolonized the Jamaican Archives", Department of Library and Information Studies, Staff/Graduate Seminar, May 2018.
- Presenter, "A Memory Worker: The Work of an Archivist and the Archives".
- School of Arts, Management and Humanities, Departmental Seminar, Edna Manley College for the Visual and Performing Arts, October 2018.
- Presenter, "Preserving Memories: A Checklist for Safeguarding Your Documentary Valuables", Scientific Research Council of Jamaica, Science and Technology Conference, November 2018.
- Presenter, "Preserving Memories: A Checklist for Safeguarding Your Documentary Valuables". Kiwanis Club of South St. Catherine. Four Seasons Hotel, December 13, 2018.

- Presenter, Archaeological Society of Jamaica, “From Performance to Memory”: Securing the Archival Legacy of UWI’s University Singers”, March 13, 2019.
- Workshop Facilitator, “Photography in Inventorying” Intangible Heritage and Creativity for Sustainable Cities Pilot Community-based Inventorying of Intangible Cultural Heritage in the Urban Context of Kingston, Jamaica”, Trench Town Community Centre Kingston, Jamaica, March 11–16, 2019.
- Guest Lecturer, “Strategies, Design and Implementation of Records Management Programmes”, UWI Open Campus, Grenada, March 18, 2019.
- Workshop Facilitator, Quadrennial General Assembly of the Caribbean Branch of the International Council on Archives (CARBICA). Workshop on “Community Archives: Capturing & Preserving Community Memory”, March 26, 2019. Panel Discussant: “Approaches to Archival Education for the Caribbean”, Suriname, March 27, 2019.
- Presenter, “Jamaican ‘Street Art’ as ‘Records?’” 2019 Allen Smith Symposium, “From Community to Curriculum: Translating Social Responsibility into Archival Education”, in honour of Prof. Jeannette Bastian, April 12–13, 2019. Simmons University, Boston.
- **Heath, Rosemarie.** Presenter, “*Media and Information Literacy Levels at the Exit Stages of the Education System in Jamaican Schools: A Survey.*” The UWI Mona Library and Western Jamaica Campus, October 16, 2018 and May 9, 2019.
- **Stewart, Paulette.** Presenter, “*Media and Information Literacy Levels at the Exit Stages of the Education System in Jamaican Schools: A Survey.*” The UWI Mona Library and the West Jamaica Campus, October 16, 2018 and May 9, 2019.
- Co-Chair, UNESCO Media and Information Literacy Conference, Magnus University (Lithuania) and University of Latvia (Latvia Kaunas, Lithuania Riga, Latvia), October 24–26.

## **PUBLIC AND PROFESSIONAL SERVICE**

### **Dr. Paulette Stewart**

- Member, Library and Information Association of Jamaica
- Board Member, Faculty of General Studies at the Caribbean Maritime University
- Member, Ministry of Education School Library Policy Committee
- Member, Government of Jamaica Records and Information Management Sub-Committee for Capacitation of Key stakeholders
- Member, National School Library Policy Development Committee
- National Judge, Jamaica Library Service National Reading Competition

- Committee Member, National Committee of the Appointment of Master Teachers, Ministry of Education
- Director, International Association of School Librarianship, Latin America and the Caribbean
- External Assessor (Library School), Mico University College

**Dr. Rosemarie Heath**

- Member, Welfare Committee – St. Andrew High School for Girls – PTA
- Member, International Association of School Librarianship (IASL)
- Member, Library and Information Association of Jamaica (LIAJA)

**Dr. Ruth Baker-Gardner**

- Member, National Public Library Advocacy Committee
- Member, National School Library Policy Development Committee
- Executive Committee Member, Library and Information Association of Jamaica (LIAJA)
- Chairman, Cowley Evangelistic Basic School
- Assessor, University Council of Jamaica (UCJ) (for Mico University College B.Ed. in Library and Information Studies)
- Member, Accreditation Committee for Mico University College and Browns Town Community College
- Chair, Library and Information Association of Jamaica (LIAJA) School Section

**Dr. Stanley Griffin**

- Mentor, Centre for Archive and Information Studies (CAIS) University of Dundee, Scotland
- Trainer, International Council on Archives, Programme Commission
- Member, Executive Committee, ICA-SUV, Section for University and Research Institutional Archives
- Member, Executive Committee, Caribbean Branch of the International Council on Archives (CARBICA)
- Co-editor, “CARBICA News”
- Secretary, CARBICA Executive
- Chair, Communications, CARBICA
- 2nd Vice President (Acting), Executive Committee, Jamaica Historical Society
- Jamaica Historical Society Representative (Acting), Jamaica Archives Advisory Committee

- Member, Government of Jamaica Records and Information Management Oversight Committee
- Member, RIM Technical Services Review Sub-Committee, Govt. of Jamaica, Jamaica Archives & Records Department (JARD)
- Member, UNESCO Memory of the World, Jamaica National Committee.

**Mr. Mark-Jeffery Deans**

- 2nd Vice President, Library and Information Association of Jamaica (LIAJA)
- Honorary Treasurer of the Library and Information Association of Jamaica (LIAJA)
- Member, Jamaica Teachers Association
- Member, International Association of School Librarianship (IASL).

## **STUDENT MATTERS**

### **Harold T. Pinkett Minority Student Award – Society of American Archivists**

**Mrs. Antonia Charlemagne-Marshall**, who is pursuing a Master of Arts in Archives and Record Management is the 2019 recipient of the Harold T. Pinkett Minority Student Award given by the Society of American Archivists (SAA). She is the first student from a non USA based university to receive this award. The award will be presented at a ceremony during the Joint Annual Meeting of the Council of State Archivists and SAA in Austin, TX, July 31–August 6, 2019. The award recognizes minority graduate students of African, Asian, Latino, or Native American descent who, through scholastic achievement, manifest an interest in becoming professional archivists and active members of SAA.

### **Caribbean Regional Branch of the International Council on Archives (CARBICA) New Professional (Conference Participation) Award**

**Mrs. Desaray Pivott-Nolan**, graduate student of the Archives and Records Management (ARCM) Programme was selected by the Caribbean Archives Association (CARBICA) to attend a four day working conference on “*Regional Approaches to Disaster Recovery and Heritage Preservation*” in Saint Martin.

**Ms. Carol Francis**, graduate student in the Archives and Records Management (ARCM) Programme, was selected as the Caribbean Archives Association (CARBICA) New Professional and attended the CARBICA Quadrennial Conference and 11th General Assembly in Paramaribo, Suriname.

**Ms. Carol Francis and Mr. Demar Ludford**, graduate students of the Archives and Records Management (ARCM) Programme presented papers in the April 2019 Symposium of the Archaeological Society of Jamaica.



Two Students, *Mr. Demar Ludford and Mrs. Tamara Seymour* were featured in the December 2018 *CARBICA News Magazine*. They shared on their experiences as Student Interns at the Brooklyn Public Library Archives Section (New York) and The Jamaica Archives, Spanish Town.

*Ms. Tracey-Ann Ricketts*, graduate student in the Archives and Records Management (ARCM) Programme was one of the five outstanding professionals that was selected by International Federation of Library Associations and Online Computer Library Center (IFLA/OCLC) for the New Professional Programme.

*Ms. Janelle Duke*, graduate student in the Archives and Records Management (ARCM) Programme was appointed the New Professional from the Caribbean Region by the International Council on Archives (ICA).

*Mr. Demar Ludford*, during his Internship at the Brooklyn Public Library Demar was tasked with arranging and describing the collection and conducting some genealogy research, to be able to provide context and piece together Martha Gayle's (a Jamaican who migrated to the USA in 1940) story. He was able to piece together parts of Martha's life to establish her connections with her community and family in Jamaica. He was featured on the Brooklyn Public Library's website for his outstanding work.

## Student Enrolment

The figures in Table 1 indicate that the student population has been steadily increasing as a result of the online delivery mode. During the academic year, the student population has spread further across the Caribbean and beyond, as there was a student from Grenada and two from the Republic of Suriname in South America and one from the United States of America

**Table 1: Student Enrolment (2016/17–2018/19)**

### Undergraduates

YEAR	ONLINE	FACE TO FACE	TOTAL
2016/17	–	12	12
2017/18	10	19	29
2018/19	17	12	29

### Postgraduates

YEAR	FACE-TO-FACE	ONLINE	TOTAL
2016/17	9	12	21
2017/18	15	21	36
2018/19	17	24	41

### Faculty/Departmental Awards

To continue motivating students to perform well, the Department sought and received four additional awards. Two of these were obtained from the Caribbean Regional Branch of the International Council on Archives (CARBICA) and two from a staff member. There were two additional prizes, one from the first tranche of the fund bequeathed from the estates of Dr. Pippa Fray and the other from the estate Quida Rowe. The prizes awarded are shown in Table 2.

Table 2: Prizes awarded to Students in 2018/19

AWARDS	CRITERIA	STUDENT
<b>Ouida Rowe Prize</b>	Best Grade in LIBS1003 – Introduction to Information Studies	Mardina Keith
<b>Dorothy Collings Prize (Graduate)</b>	Best overall graduate performance	Alexa Lodge
<b>Dorothy Collings Prize (Undergraduate)</b>	Best overall undergraduate performance	Nadina Shorter
<b>Fay Durrant Prize</b>	Best grade in LIBS3901 – Access to Information in the Caribbean	Nadina Shorter
<b>Records Management Prize (Graduate)</b>	Best Grade in ARCM6004 – Records Management in a Digital Age	Nicoleen Saunders-Grant
<b>CARBICA Prize</b>	Best Grade in ARCM 6002 – Acquisition, Organisation & Use of Archival Materials	Demar Ludford Nicoleen Saunders-Grant
<b>CARBICA Prize</b>	Best Grade in ARCM6003 – Preservation of Archival Materials in Tropical Environment	Karris Marin-McLetchie
<b>Pippa Fray Prize</b>	Best Grade in LIBS6001- Foundations of Library & Information Studies	Kayan James
<b>The Ideal Record Keeper Prize</b>	Best Grade in ARCM6005 – Practicum in Archives & Records Management	Stephen Butters
<b>Preservation Management Prize</b>	Best Grade in LIBS3702 – Preservation Management for Libraries & Information Units	Fiona Hutchinson

## BURSARIES TO STUDENTS

### Ouida Faye Rowe and Pippa Fray Bursaries

Funds from the Ouida Faye Rowe and Pippa Fray Bursaries were disbursed to Nadina Shorter, undergraduate student (J\$50,000) and Sharlett Thomas, postgraduate student (J\$50,000) to assist them with their tuition fees.

## STAFF MATTERS

### Academic Staff

#### Full time staff

Dr. Stanley Griffin joined the Department as a full time member of staff in charge of the Archives and Records Management Programme.

#### New Adjunct staff

Three adjunct staff members joined the Department to teach the following courses:

- Mrs. Monique Barnett-Davidson – LIBS2704 – Introduction to Museums and Galleries.
- Mrs. Nicole Prawl – LIBS2703 – Archival Concepts and Practices.
- Mrs. Pauline Nicholas – LIBS2301 – Research Methodology for Information Studies.

## AWARDS

- *Dr. Rosemarie Heath* was recognized for excellence in teaching at The UWI/Guardian Life Premium Teaching Awards Ceremony on November 8, 2018.
- *Dr. Paulette Stewart* was one of the recipients of the Principal's Research Awards for Best Research Publication (Article) in the Faculty of Humanities and Education (FHE). The article was titled, "*School Library Design, Facilities and Resources for Sustainable Cognitive and Social Development of Students: An Evaluative Case Study.*" The award was presented at The Annual Research Days Awards Ceremony held on February 8, 2019 at the Mona Visitors' Lodge & Conference Centre.
- *Dr. Ruth Baker-Gardner* was selected as the recipient for the 2019 American Library Association's (ALA) Lois Mai Chan Professional Development Grant. The grant consisted of US\$1,000 cash, an individual registration for the ALA Annual Conference, and a citation.

**LIBRARY ASSISTANTS – ATTACHMENT (ANTIGUA STATE COLLEGE LIBRARY)**

The objectives to provide more training for librarians, educators and other interested persons in other regions was realized when three Library Assistants, Ms. Aquinda Ramsay, Ms. Glori-Ann Ditzen and Ms. Demi Ditzen who work at the Antigua State College Library, Antigua, visited the Department on a one-month (February 1–28, 2019) attachment to gain knowledge and hands-on experience in some areas of library operations. They were assigned to the Department, the Mona Library, The National Library of Jamaica and the University of Technology.

**BEQUEST TO THE DEPARTMENT****Dr. Phillipa “Pippa” Fray**

The Department was bequeathed another amount of *One Hundred and Eighty-Seven Thousand Nine Hundred and Eighty-One Dollars and Forty-Seven Cents (\$187,981.47)* from the estate of the late Dr. Phillipa “Pippa” Fray, former librarian. The bequest will go towards training grants for needy students or academic prizes in the field of Library and Information Studies.

**VISITORS TO THE DEPARTMENT**

Ms. Angela Smith, School librarian from the Sidwell Friends School visited the Department on March 29, 2019 to enquire about the library studies programmes. She offered her school library as a possible venue for students to be placed for internship. In addition, she offered to assist in providing storybooks to the Mona Primary School library, the institution in which we have our community engagement.

In April 2019, the Department of Library and Information Studies also had the privilege of meeting with Dr. Hadassah St. Hubert and Dr. Laurie Taylor who were visiting from Florida International University and University of Florida respectively. Both guests were on official business on behalf of the Digital Library of the Caribbean (DLOC). We have since made strides in opening up dialogue which will see our students having the possibility of doing internship in their institutions.



## DEPARTMENT OF LITERATURES IN ENGLISH

**Dr Rachel Moseley-Wood, BA., MA., PhD, (UWI) – Head of Department**

### WORK OF THE DEPARTMENT

The 2018/19 academic year was a challenging one for the department: we maintained a busy schedule of events, introduced a new Major and Minor, moved to consolidate relationships with external partners and entered a period of review and reflection on how best to transform the curriculum in order to meet the challenges of teaching and learning in the Humanities in the 21st Century. The department is now home to three BA programmes: Literatures in English, Liberal Studies and the BA Film Studies, which was offered for the first time this academic year. We also introduced this year a Minor in Creative Writing. These changes indicate a need to reflect, assess and then rebrand the department in ways that would make it more attractive to the 21st century student, as well as more accurately reflect the work we do. As part of this process the Department intends to enact a name-change and we also embarked on a curriculum review of the Liberal Studies programme, in Semester 2. As we prepare for a Quality Assurance Review in March 2020, we have also begun the process of reviewing the BA Literatures in English. Amidst all this, the Department maintained a hectic calendar of activities aimed at students, the University community and the wider public. We recognize the need to maintain a vibrant public profile in order to bring attention to our programmes, as well as the contribution of the department, and more broadly the University, to the social and cultural life and development of the society in which we reside.

### TEACHING AND LEARNING

Ms Carolyn Allen, Ms Amba Chevannes, Mr Carlton Lowrie and Mrs Tanya Shirley Johnstone were appointed as Adjunct Staff during the academic year. Dr Anthea Morrison retired in September 2018 after 32 years of service to the UWI and was retained on a part-time basis.

## CURRICULUM DEVELOPMENT

The BA Film Studies was introduced in September 2018; nineteen students accepted offers for this multidisciplinary programme, which is coordinated by Dr Connor Ryan. The programme is designed to develop students' advanced visual literacy and equip them to compete in an increasingly visual world. Two new courses were introduced in the academic year: Introduction to Creative Writing (LITS1009) and Creative Non-Fiction and Digital Media (LITS3604). These new courses allowed the Department to fulfil the long-held goal of introducing the Minor in Creative Writing. The Graphic Novel (LITS2120) was approved and was scheduled to be offered for the first time in the 2019–20 academic year.

## POSTGRADUATE STUDENT MATTERS

Mr. Tohru Nakamura was selected for the 2018/2019 Departmental Award along with Ms Whitney Eaton who, however was reassigned as Research Assistant to the HoD in Semester 2, following the resignation of Ms Francina Cousins, who received a UWI Scholarship.

## UNDERGRADUATE STUDENT MATTERS

At the **Annual Faculty Awards Ceremony** on November 8 the Department presented awards to the following students: Kodi-Anne Brown, Stacy-Lee Fowler, Yashika Graham, Nysie Bennett, Kheilleigh-Ann Gray, Kimberlyn Johnson, Georgio Russell, Justine-Marie Williams and Kyle Williams. The Department provided social and academic support to undergraduates with its **Annual First Year Social** for Majors and Minors on September 20 in the Library Multifunctional Room. Each first-year student in the department was assigned an Academic Advisor from among the teaching staff. For continuing students, the Department held a **Mentorship & Career Session** on Thursday, November 29. Ms Kimberly Bell, LIE graduate, and now Programme Manager, Heart Trust/NTA and Ms Clement Henry, Administrative Assistant, Placement and Careers Services, were the presenters.

## SCHOLARLY ACTIVITIES & OUTREACH

The Department made a strong showing at the **37th Annual West Indian Literature Conference**, “Global Caribbean Studies: ‘Scapes’”, at the University of Miami, Coral Gables, October 4–6, 2018. Dr Isis Semaj-Hall and Dr Rachel Moseley-Wood presented papers. Dr Moseley-Wood also participated in the planning meeting to discuss the 2019 conference to be held in Guyana. Dr Michael Bucknor chaired the panel, “Staging the Self and the Body” and attended both the Business Meeting of the conference and the *Journal of West Indian Literature* Board Meeting, as Senior Editor.

The eminent Caribbean academic, Professor Rhonda Cobham-Sander delivered the **12th Edward Baugh Distinguished Lecture** on November 26, 2018 at the Philip Sherlock Centre for the Creative Arts. Dr Cobham-Sander is the Emily C. Jordan Folger Professor of English and Black Studies and Chair of the English Department at Amherst College, Amherst, Massachusetts. She spoke on the topic, “Rero(o/u)ting the Rhizome: Representing Relationships in Caribbean Literature”

The Department hosted the **International Auto/ Biography Association (IABA) Americas Chapter 4th Biennial Conference** June 13–15, 2019 in the FHE, organised and co-convened by **Ms Lisa Brown** and **Dr Rachel Moseley-Wood**. More than 40 scholars attended and presented papers in the field of autobiography and life-writing, exploring how lives are represented in various modes whether digital, graphic or scribal.

## Events

During the 2018–19 academic year the Department organised many events that functioned as outreach efforts to the wider community as well as provided welcome support to teaching and learning. On September 18 at the Library Multifunctional Room we screened the documentary, *Back to Natural* and hosted a presentation by the Director, Dr Gillian Scott-Ward. The event was chaired and organised by **Dr Rachel Moseley-Wood**. A reading featuring recipients of Code’s Burt Literary Awards for Young Adult Literature, dubbed “4 Writers 1 Night”, was co-hosted by the Department, the School of Education, Blouse & Skirt Books, Code, and the Jamaica Library Service on October 24, 2018 in the Library Multifunctional Room. The readers were A-dZiko Simba Gegele, Colleen Smith-Dennis, Viviana Prado-Nunez, and Kevin Jared Hosein. The **Jamaican Poets School and College Tour 2018** was hosted by the Department on November 5 at the Library Multifunctional Room and featured poets Tomlin Ellis, Howard Hendricks, Cherry Natural, Judith Falloon-Reid, Malachi Smith, Dr Sue, Ras Takura, Antonia Valarie and Wise Wurds. The Department collaborated with CARIMAC, the Jamaican Film and Television Producers Association (JAFTA) and the Nigerian High Commission to screen the film, *Dazzling Mirage* by Nigerian filmmaker, Mr. Tunde Kelani, on December 1 in the Neville Hall Lecture Theatre. The screening was followed by a panel discussion, led by **Dr Connor Ryan**, with Nigerian filmmakers and members of the Nigerian Film and Video Censors Board delegation of Nollywood stakeholders. SALISES invited the Department and the Department of Sociology, Psychology and Social Work to collaborate on the hosting of a seminar with Dr Huwa Mahdi entitled “Fanon Revisited: Race, Gender and Coloniality” on December 12 in the SALISES Conference Room. The Department was pleased to host a reading and conversation with DLIE graduate and award-winning poet, Dr Ishion Hutchinson, author of *Far District* (Peepal Tree Press, 2010) and *House of Lords and Commons* (Farrar, Straus and Giroux, 2016) on December 13.



**Dr Isis Semaj-Hall** led the conversation with Dr Hutchinson and coordinated the Q&A which followed. From poets to movie stars – on January 22, DLIE in collaboration with CARIMAC and Best Ever Film Production Company, hosted the Caribbean Movie Forum at the Library Multifunctional Room. Stars of the Bahamian film, *Cargo* (2017): Jimmy Jean-Louis and Sky Nicole Grey, along with Director, Kareem Mortimer and Producer, Alexander Younis, participated in a discussion panel and Q&A. The event preceded the premiere of the film at Carib 5.

The Faculty's signature event for The UWI Research Days, *Poetry Clash*, was successfully staged on February 7, 2019. Yashika Graham, Kimone Edwards and Raquel Simpson won 1st, 2nd and 3rd prize respectively. Ms Graham also won the competition in 2018. The department was invited by CARIMAC to collaborate in the hosting of the Peter Abrahams Centenary Symposium: "Celebrating Peter Abrahams 100: Milestones in Literatures, Media and Political Writing" on March 5 in the Library Multifunctional Room. **Dr Rachel Moseley-Wood** chaired the panel "Peter Abrahams: Literary and Political Heritage". **Dr Isis Semaj-Hall** organised and chaired the annual *Reggae Talks* on February 14 which featured a panel discussion with Protoje, Lila Ike, Claire Osman, Yannick Reid and the InDiggNation Collective. The discussion concluded with a lively Q & A segment. The Department honored recently retired colleague, Dr Anthea Morrison, on May 2 at the Neville Hall Lecture Theatre (N1). Dr Morrison's 32 years of service to the UWI was celebrated in the form of tributes from colleagues, students, administrative staff and others. The Department partnered with the Gloria Lyn Memorial Fund (GLMF) and Two Seasons Guest House to present The Two Seasons Talking Trees Literary Fiesta on May 25 in Treasure Beach. The theme was, *Literature: Yesterday, today and tomorrow*. The programme featured a number of the Department's students.

### **Workshops**

The Department hosted a successful Creative Writing Workshop in Poetry, presented by Professor Shara McCallum, Liberal Arts Professor of English at Penn State University, on February 28 at the Library Multifunctional Room. Certificates of Participation were issued at the end of the Workshop.

### **Book Launches**

The Department hosted the launch of *Hard Gal Fi Dead: Musings, Poems, Notes to Self* by LIE graduate, Ms Tameka Coley, who goes by the pseudonym, Tami Tsansai. It was held on February 4 at the Neville Hall Lecture Theatre. The launch speaker was **Dr Michael Bucknor**. The Department also gave support to the February 28 launch of *Through the Valley*, a memoir written by one of its First Class Honours graduates, Mrs Michelle Ashwood-Stewart. **Dr Rachel Moseley-Wood** brought greeting from

the department at the launch and the department assisted in promoting the event. Richard “Dingo” Dingwall’s collection of poems, *A Window To Let The Light Out*, was launched on, March 10, 2019 at the Neville Hall Lecture Theatre. The launch speaker was Ms Yashika Graham, a Literatures in English major.

### **March Is Literatures in English Month**

On March 3, the Department staged “Love Affair with Literature 8” at the Neville Hall Lecture Theatre. The event featured poetry and prose readings by Dr Shara McCallum, Professor of English at Penn State University and author of five books of poetry; Mr Richard “Dingo” Dingwall, an accomplished performance poet; Professor Erna Brodber, a recent recipient of the Windham–Campbell Literature Prize and the author of five novels; the well-known comedian and author, Mr Owen “Blakka” Ellis; and author, Ms A-dZiko Simba Gegele.

### **March is Movie Month at Mona**

The Department hosted two screenings as part of its annual “March Is Movie Month at Mona” series. On March 8, 2019 the department showed *Four Days in May: Kingston 2010*, followed by a conversation with the filmmaker, Deborah A. Thomas, Professor of Anthropology at University of Pennsylvania, Dr. Anthony Harriott, Director for the Institute of Criminal Justice and Security and Tivoli Gardens community members. The session was chaired and organised by **Dr Connor Ryan**. On March 15th, Mr. Khalik Allah presented his film, *Black Mother*, followed by a lively Q&A session on the provocative film. The event was co-sponsored by Sharine Taylor of *Bashy Magazine* with support from the Dean’s Office, and was organised and chaired by **Dr Rachel Moseley-Wood**.

## **INTERACTIVE DISCUSSIONS AND OUTREACH TO SCHOOLS**

Members of the department participated in the UWT’s outreach programme to high schools: **Dr Anthea Morrison** visited St. Andrew High School on September 18, while **Dr Connor Ryan** visited Hillel Academy on October 23. **Dr Michael Bucknor** presented a CAPE Literatures in English Workshop for 6th Form students at Western Jamaica Campus on January 24, 2019. **Ms Lisa R. Brown** visited CAPE Literatures in English students at Excelsior High School on March 13, 2019. The Department held its annual **CAPE Lecture/Discussion Series** on April 5 and April 12 at the Old Library. Three Hundred and Seventy Two (372) students and 61 teachers from 32 schools were in attendance. Schools were represented across the three (3) counties. The presenters were **Dr Michael Bucknor**, organizer of the series, **Dr Jennifer Brittan**, **Ms Lisa Brown**, **Dr Norval Edwards**, **Dr Isis Semaj-Hall**, **Dr Rachel Moseley-Wood**

and **Dr Connor Ryan**. Mr Clement Lambert, Ms Carolyn Allen, Ms Caprece McCleary and Ms Celia Webster were guest presenters.

### **STAFF/POSTGRADUATE SEMINAR SERIES**

**Ms Keilah Mills** successfully presented her MPhil Upgrade seminar on Friday, November 16 in the Faculty Conference Room. Her paper was titled, “Unearthing Exilic Identities: The Politics and Poetics of Place in Select Caribbean and African-American Fiction”. Dr Leah Rosenberg, Associate Professor and University Term Professor, University of Florida, Gainesville presented a paper titled “The Easiest Place in the World to Sell: Tourism and the Making of National Culture in the Caribbean” on January 25 in N3. **Mr. Tohru Nakamura**, PhD candidate, presented a paper titled “Being with the Dead: Nihilism, Resistance, Body Politics and Being in Wilson Harris’s *The Four Banks of the River of Space*” on May 10 in N3.

### **PUBLIC ENGAGEMENTS & LINKS WITH OTHER UNIVERSITIES**

**Dr Isis Semaj-Hall** chaired the Kingston Creative Meetup panel discussion titled “Jamaican Literature – the role of writers in modern Jamaica” on April 26 at the Kingston waterfront. **Dr Semaj-Hall** also chaired a panel discussion titled “Goodas fi Dem: Sexuality and Gender Identity in the Dancehall” in the Institute of Jamaica Groundation seminar series on February 3 at the Institute of Jamaica. **Dr Michael Bucknor** gave a keynote address at the Australian Association for Caribbean Studies Conference, *Caribbean Meridians*, at Western Sydney University, in Australia on February 7. The lecture was entitled, “Diasporic Intimacies: Caribbean Meridians and Literary Histories.” Dr Michael Bucknor presented a seminar by Skype on “Weeds and Waste in Caribbean Poetry” as part of the University of Leicester Global Studies programme International Summer School for graduate students, held in Leicester in June 2019. The summer school was a result of an institutional partnership between UWI and University of Leicester, an initiative that is being led at UWI by Dr Bucknor and Dr Sonjah Stanley Niaah. UWI Mona is expected to host the second Graduate Seminar in 2020 with students attending from the University of Leicester and other UWI campuses joining us here. An agreement between the Department and the **University of Salzburg** in Austria facilitating an Exchange Programme for both staff and students with funding from the Erasmus Institute, was finalised in Semester 1. Dr Michael Bucknor is the local coordinator of the project which is expected to begin in the coming academic year. **Dr Isis Semaj-Hall** collaborated with Professor Merle Collins of the Department of English Language and Literature at the **University of Maryland**, to link classrooms in order to jointly teach a course in Semester 2, 2019. The course taught at Mona was “Literature and Ideas in the Caribbean” while “Caribbean Literature: Literature and Ideas in the Caribbean” was

offered at Maryland. Classes at the two sites were linked once per week using teleconference technology, facilitating exchanges between lecturers and students across the two locations.

## STAFF MATTERS

**Dr Rachel Moseley-Wood** assumed duties as Head of Department w.e.f. August 1, 2018.

**Ms Lisa Brown** was named an official nominee for the 2018 UWI Guardian Life Premium Teaching Award. In the letter sent to inform her of the award, it was stated that the judges were impressed with her teaching accomplishments and had recommended that Ms Brown be recognized as an exceptionally outstanding nominee.

## Congratulations

The Department congratulated **Professor Emeritus Mervyn Morris** on being awarded the Musgrave Gold medal at the Annual Musgrave Medals Ceremony on October 10 at the Institute of Jamaica. The Department also congratulated **Professor Carolyn Cooper** on receiving the Emerita status w.e.f. February 2019. The Department extended heartiest congratulations to two of its graduates, Professors Kwame Dawes and Ishion Hutchinson, on each receiving the 2019 Windham-Campbell Prize (Poetry), valued at US\$165,000 and offered through Yale University.

## CONFERENCE PAPERS PRESENTED

**Dr Isis Semaj-Hall** presented a paper titled “Manscapes: Grooming New Jamaican Iconography” at the 37th West Indian Literature Conference, University of Miami, Oct 4-6. **Dr Semaj-Hall** also presented a paper titled “Jane Irie Is Her Avatar: Uploading Brontë and Rhys in the Digital Age of Jamaica” at the Caribbean Digital Conference in Trinidad, December 4–6, 2019. **Dr Rachel Moseley-Wood** presented a paper titled “A University of the People?: Visual Education in the British West Indies” at the 37th West Indian Literature Conference, University of Miami, Oct 4–6. At the invitation of the Department of English at SUNY Geneseo, **Dr Connor Ryan** delivered a talk entitled “Dreams, Jobs, and Dream Jobs: Work in Nigerian Literature and Film”.

## PUBLICATIONS

**Dr Michael A. Bucknor**

- “That Body Always Just a Skin Away”: Brotherly Love and the Intimacies of Men in David Chariandy’s *Brother*; *s/x salon* 30, February 2019.

- “Horizons of Desire in Caribbean Queer Speculative Fiction: Marlon James’s *John Crow’s Devil*”, in *Madness in Anglophone Caribbean Literature: On the Edge*. Eds. Bénédicte Ledent, Evelyn O’Callaghan and Daria Tunca. (Palgrave Macmillan, 2018).
- “Authorial Self-fashioning, Political Denials and Artistic Distinctiveness: The Queer Poetics of Marlon James,” (co-authored with Kezia Page). Special Issue on Marlon James of the *Journal of West Indian Literature* Volume 26 Number 2, November 2018. I–xiii. Dr Bucknor and Dr Page were guest co-editors of this issue of *JWIL*.

## **PUBLIC SERVICE**

### **Dr Jennifer Brittan**

- Served as a reviewer for the journal *Latin American and Caribbean Ethnic Studies* – *LACES*.

### **Dr Michael A. Bucknor**

- Judge of two of the newly inaugurated Poet Laureate Prizes: The Edward Baugh Poetry Prize and the Louise Bennett Poetry Prize. Judging took place on January 8 and 11, 2019.
- Chief Adjudicator in Round 1 of the “Talk di Poem” Finals organized by the School of Education, on April 9, 2019 at the Philip Sherlock Centre for the Creative Arts.
- Senior Editor, *Journal of West Indian Literature* (Regional Refereed Publication) (2004–present)
- Editorial Board Member, *Caribbean Quarterly* (Regional Refereed Publication) (2010–present)
- Member, Board of Readers, *Issues in Critical Investigation*, Vanderbilt University, USA. (2010–present)
- Senior Editorial Advisor, *Lucayos*, College of the Bahamas. (Regional Refereed Publication) (2011–present)
- Actor Boy Judge
- Member of the Poet Laureate Committee, National Library of Jamaica
- Member of the Musgrave Medals Selection Sub-Committee – Literature

### **Dr Norval Edwards**

- Review Editor, Northern Caribbean University’s peer-reviewed journal, *International Review of Humanities*
- Member, Advisory Board, *Issues in Critical Investigation*, Vanderbilt University, Nashville, Tennessee.

## **CATEGORIES OF STUDENTS**

### **Undergraduate:**

LIE Majors (29)

Liberal Studies Majors (29)

Film Studies (19)

### **Postgraduate:**

PhD (3)

MPhil (7)

MA (5)

# DEPARTMENT OF MODERN LANGUAGES AND LITERATURES

Dr. Nina Bruni, B.A. Languages and Literatures, *PUCA (Pontificia Universidad Católica Argentina)*, MSc *UNSAM (Universidad Nacional de San Martín, Argentina)*, Ph.D. *UWI*.  
– Head of Department



## WORK OF THE DEPARTMENT

### Department's Mission and Vision. Context

In order to well support The UWI Triple A Strategy (Access, Alignment, Agility) 2017–2022, the Department of Modern Languages and Literatures (DMLL)'s Mission and Vision had to be precisely redefined to articulate the administrative operations of the Department with its academics objectives and activities. The underlying idea is to shift towards a culture of collaborative relationships that cultivate the following skills: personal commitments to mutual success, commitment to truthfulness and openness, self-accountability, self-awareness, and commitment to promote a cooperative atmosphere and practices in support of each other. Collective growth is personal advancement and this is the attitude that will sustain the Department in the long term, regardless the circumstances. This is also the core principle that, set by example within an intercultural environment, must guide our students in the Department, along with the wider community that it serves and all stakeholders involved. Accordingly,

**Our Mission** is to enhance the Department by:

1. Streamlining and Documenting Administrative Policies and Practices that are regulation supported;
2. Instituting Best Practices in the Teaching of Foreign Languages and Cultures;
3. Train and Upgrade Staff Members.

**Our Vision** is expand the Department by:

1. Becoming an integral part of each Programme so that each UWI graduate leaves this institution having pursued either a Bachelor or a minor in a Foreign Language, or at least a single course;
2. Being impactful in Outreach as it relates to Teaching, Training and Services.



All that is included in this report is as a result of ongoing conversations and planning with administrative and academic staff in the format of meetings but mainly one-on-one conversations. Being fully in charge of our portfolios and democratization of our decision making process is the overarching goal of the Department. There is, however, a long way ahead to achieve this shift of paradigm but that is the spirit sustaining this report and the three years ahead.

## **ACTIVITIES FOR THE ACADEMIC YEAR 2018–2019**

On that basis, the report of the DMLL's Activities will be structured following the objectives itemized under the Department's Mission and Vision, referring to the enhancement and expansion of the Department respectively. This section presents more in detail why the shifting of paradigm is necessary; what strengths and challenges contributed to or put on hold the resolution of the matters listed; and what the plans forward are. Also included are the instances the performances and accomplishments of faculty and students enhanced the reputation of Department, interdisciplinary initiatives or collaborations that would reinforce relationships with other departments or institutions. Postgraduate Matters are presented concurrently with the Undergraduate matters.

### **Activities related to our Mission: Enhancement of the Department**

#### ***Documenting Administrative Policies and Practices that are regulation supported.***

#### **Re-engineered Administrative Processes**

To improve efficiency of the department, a few processes were identified, documented and re-engineered. These were the processing of Exchange Applications, Exemption Requests, and addressing Students Queries. These changes resulted in fewer delays/errors, improved accountability and transparency in the conducting of the department's business. For the Exchange Programme, we introduced a system of scheduling, informing and interviewing students to ensure that our best and brightest was selected. For the exemption process, a form was created to document the request being made by the student and the support/non-support given by the lecturer for the granting of the exemption. This made for easier referencing and transparency in processing of the students' request. Finally for the Student Query form, revisions were made to include options such a 'requested a remark/review', 'requesting to add a minor' and 'un-processed over-ride' among others. We also included a section for the staff to log the queries they received from students and what action/outcome came from the query. This improved accountability and ensured the completion of tasks.

Another pressing matter arising from the advising/registration periods for Semester I

and II of the Academic Year 2018–2019 was that of conflictive prerequisite information and consequent overrides requests. Data analysis guided the Department to correct the Department's course listing and their respective prerequisites in the last coordinator's meeting on May 15, 2019. The next step is to clarify particular issues with the respective faculties/departments.

### **Update and Revamp the Department's Website**

Accurate and timely information and feedback can be administered in many instances thorough a friendly website. Frequent ask questions, submission forms, clear guidelines for programmes, are some of the features that would improve our image, maximize our time, and would provide important feedback to improve the Department's operations. This website will follow the Faculty's layout to keep up with standards. From the beginning of the academic year, administrative steps were taken to initiate this important project coordinated by Mr. Clifton McCook, Language Lab Technician. This is a work in progress.

### **Instituting Best Practices in the Teaching of Foreign Languages and Cultures/ Conducting Programme Reviews**

Precise feedback was offered by the following lecturers in French, Japanese, and Spanish (undergraduate and postgraduate levels):

**Nzengou-Tayo.** Use of *Blackboard Collaborate* on OURVLE for FREN3118 French for International Conferences in order to accommodate two working students. Guest presenters: Mr. Paul Robotham (former Permanent Secretary at the Ministry of Foreign Affairs and Foreign Trade, former Ambassador); Ms. Alicia Reid (Communication Officer at the Caribbean Football Federation).

**Mrs. Rona Barnett-Passard.** Students grudgingly admitted to learning a lot from the OURVLE graded exercises but, as in previous years, many waited until the end of the course FREN0101 Beginner's French to rush through them. The plan for next semester is to divide the exercises by week and to close them off at the end of the week to which they have been allocated, in order to encourage timely completion of the exercises, throughout the semester, and in line with the syllabus.

**Dr. Naoko Finnerup and Ms. Grace Perez.** UWI Student's participation in Japanese Speech Contest in the Dominican Republic for the first time.

**Dr. María Teresa Villoria-Nolla.** Within the framework of autonomous learning, assessment strategies such as reflexive diary and Portfolio, was incorporated to level II Spanish language courses. Peer feedback and peer assessment are also successful methods.

**Dr. Tamara De Inés Antón.** Through the changes to the mode of delivery and content update of the foundational courses in the **MA in Translation Studies**, registration will be open every semester rather than every two years. For this purpose, the courses TRAN6101 Principles and Practices of Translation and TRAN6102 General Translation were reviewed and submitted to all appropriate Boards for approval.

The MA students have attended several training and feedback session via Zoom with the United Nations Headquarters in New York. The programme coordinator acknowledges Ms. Sandra Hamilton's initiative in this activity.

From next academic year, the translation students will be able to collaborate with LALT (Latin American Literature Today) as an unpaid internship.

For the last four years, **Dr. Nina Bruni** has been practicing consecutive interpreting as a tool to teach Spanish as a Foreign Language at levels I, II and III. When shared the effectiveness of this tool with **Dr. De Inés Antón** it was agreed to also introduce the practice of subtitling as part of the learning process and assessment of our third year students, who enthusiastically and professionally embraced this new aspect. It was noted that the links between our language-based courses and our translation courses at the undergraduate level could be strengthened by updating the course outlines for SPAN2503 Spanish to English Translation II and SPAN3001 Spanish to English Translation III. Both were approved and the joint approach adopted at the beginning of the academic year continues to strengthen with further research and review of course materials and assessment strategies.

Based on the same principles is that Dr. Bruni proposed Dr. De Inés Antón to coordinate a subtitling project of the documentary on Iván García (Dominican Republic) with the MA students in translation and the third year Spanish students for the Research Day. The project was an absolute success where students showed intellectual and managerial skills supported by evident professionalism.

**New course SPAN1012 Spanish for Medical Purposes.** After discussing and reviewing a proposal from 2017, Spanish for Medical Purposes is a course that results from collaboration between the Department of Community Health, Faculty of Medical Sciences (DCH/FMSc), and the Department of Modern Languages and Literatures, Faculty of Humanities and Education (DMLL/FHE), The UWI, Mona Campus. The objective is to sensitize medical sciences students towards the importance of learning Spanish for their career within a heavy teaching schedule.

The project will be managed by the coordinator from DCH/FMSc and the HOD of (DMLL/FHE), since the DMLL will be the academic body delivering the course in Spanish Language. The Lecturer(s) teaching the course will be the MLL HOD's academic partner(s)/proxy(es) to enhance and develop the course(s) in all instances.

Any changes will be discussed with the FMSc's coordinator. A team of tutors will be co-teaching the course to facilitate the role-playing and simulation aspects of the delivery of the course. This is a good opportunity to include advanced Spanish language students in the teaching process.

The teaching and assessment strategies of this course aims to alleviate medical students' stressful learning process while learning a foreign language as an incentive to advance in it. **Dr. Tamara De Inés Antón** and **Dr. Nina Bruni** rewrote the course for its approval by the pertinent Boards.

Amend and facilitate in collaboration with the Office of the Deputy Principal our annual **Staff-Student Evaluation through Focus Groups and Online Questionnaire**. In Semester I, lecturers agreed that this dynamics would favour objectivity in the process and would offer timely and useful feedback to improve their courses while teaching them. Lecturer were requested to submit some questions for the questionnaire to be outlined. However, very few answers were received. The Staff/Student Liaison Meetings were not held during this academic year. This strategy will be fully embraced next academic year. The University evaluation proved to be of great use so students' feedback is documented. The Department got an overall ranking of 4.5.

### **Mentor and Upgrade Students**

**Meeting with French and Spanish Students (Beginners and Intermediate Courses).** This initiative attempts to sensitize and guide students pursuing French and Spanish at Beginner's and Intermediate Levels in our Department for them to successfully complete their courses, be aware of class and exam procedures and discuss the range of opportunities available for Modern Languages students. Two (2) Former students in Foreign Languages were re the guest speakers: Ms. Prescila McLure and Mr. Cavoy Ashley. Mrs. Ronna Barnett-Passard, French Lecturer and Coordinator FREN0101 Beginner's French, and Ms. Rhochell Curtis, Senior Administrative assistant of the DMLL led this project and made presentations on academic and examination matters respectively. The session was held on, Thursday, 24th January 2019 in N1 from 2:20 to 4:00 p.m.

**Final Year Sensitization** was usually organized in the second semester for students about to graduate. A reorganization of this activity in a more holistic and timely manner was suggested within the Department. This item will be discussed during the summer period.

### **Summary of Club Activities**

#### ***French Club: The Soci  t  Francophile***

The French club, in its endeavors to revamp the club and to attract more individuals

to join, changed its meeting format for the second semester of the 2018/2019 school year. Meetings had a mix of educational items and French games with French music being played to improve the atmosphere, videos were often used so that club members could learn vocabulary and get used to hearing French. These videos were taken from various YouTube Channels. The club made plans to acquire club shirts and the club president sought and received a quotation however the actual date on which the shirts will be purchased was changed to the first semester of the 2019/2020 school year. Various activities were done during club including: baccalauréat (ABC fast or slow in French), le Loup Garou de Thiercelieux, Chinese telephone in French etc. the Spanish club and the French club decided to increase support for one another with members of the Spanish club visiting the French club and vice-versa. For modern language's day there was no club meeting but members of the club executive body gave a helping hand on the day to ensure that things ran smoothly.

#### **Japanese Club.**

- Japanese Film Screening of "Home Sweet Tokyo", Thursday, 27th September 2018, at 2 pm in N1.
- Members of the Club worked as volunteers for the Embassy of Japan: Japan Day, February 2019.
- Members of the Club participated in the Modern Languages and Literatures Day/ Japan Day 4th April, 2019.
- Japanese Dance for the Opening Ceremony of the Japanese Doll Exhibition, Institut of Jamaica, Thursday, 11th April 2019.
- Chinese Club and Spanish Club did not submit reports.

### **ACTIVITIES RELATED TO OUR VISION: EXPANSION OF THE DEPARTMENT**

**Becoming an integral part of each Programme so that each UWI graduate leaves this institution having pursued either a Bachelor or a minor in a Foreign Language, or at least a single course**

The new course SPAN 1012 **Spanish for Medical Purposes** constitutes a positive step forward towards further integration with the Faculty of Medical Sciences and the kind of change needed in language courses to better articulate with other disciplines outside and within the Faculty of Humanities and Education (Cf. III.1.2)

The Department envisions the realization of two new joint major programmes to incorporate languages at the core of other disciplines: **Tourism Management and Foreign Languages** (beginning with Spanish) and **International Relations and Foreign Languages** (beginning with French). These projects are at their very initial stage. Dr. María Teresa Villoria has been requested to develop the former and Dr. Françoise

Cévaër to develop the latter. The Department expects to get preliminary feedback before the end of the semester.

### **Being impactful in Outreach as it relates to Teaching, Training and Services**

#### **International Collaboration**

**Argentine Fund for South-South and Triangular Cooperation – FOAR: Ministry of Foreign Affairs/ Ministry of Education, Culture, Science and Technology, Buenos Aires, Republic of Argentina.**

Dr. Nadine Barnett was selected to represent the DMLL at the Regional Cooperation Workshop on Spanish Teaching Education in the Caribbean in Buenos Aires, Republic of Argentina, during the period 25–28 February, 2019. This Workshop introduced participants from the Anglophone Caribbean to the Argentine’s capacities and experience in the Teaching and Assessment of Spanish as a Second and Foreign Language, as well as in Curriculum Design and Teacher Training. Officials Representatives from Antigua and Barbuda, Barbados, Jamaica, Saint Christoph and Nevis, Saint Lucia, and Trinidad and Tobago, shared common experiences and the diversity of challenges in the areas above-mentioned. Specific goals, expected results and an action plan was tabled at the meeting to be followed up. Dr. Barnett will coordinate further activities with the DMLL as necessary. The Government of Argentina, through its FOAR programme, fully funded this activity.

**1st Caribbean Seminar of Actors Involved in Francophonie (1er Séminaire Caribéen des Acteurs de la Francophonie-SECAF), Universidad Acción Pro Educación y Cultura (UNAPEC), Santo Domingo, Dominican Republic.**

Mrs. Rona Barnett-Passard represented the DMLL at the 1st Caribbean Seminar of Actors Involved in Francophonie, in Santo Domingo, Dominican Republic, during the period 12–13 March, 2019. This seminar concentrated on four major areas in the field of French language and Francophone cultures: affirmative actions and challenges in teaching French language, the need for a collaborative approach, research projects, and cooperation agreements, and ways to increase them. Mrs. Barnett-Passard’s presentation concentrated on the existence of different types of cooperation between The UWI Mona and various universities and agencies in France, data analysis related to the numbers of students pursuing the English Assistantship programme in France, challenges faced along the years with official and international bodies in this area, as well as on the positive impact of the repositioning policy for foreign languages at The UWI Mona on the number of students registered to pursue Beginner’s French and, consequently, complete a Minor. Mrs. Barnett-Passard’s participation in this forum facilitated opportunities for the DMLL to contact the *Agence Universitaire de la Francophonie* who has shown immediate interest in partner with The University of the

West Indies, Mona Campus. Preliminary conversations are underway and further developments will be duly informed.

**ERASMUS+ Staff Mobility for Training and Teaching: The University of the West Indies and Universidad de Valladolid, Spain.**

Dr. Nina Bruni was the second member of the DMLL academic staff to be awarded this scholarship to participate in the above-mentioned programme during the period 21–27 February, 2019 as visiting scholar in the Universidad de Valladolid, Spain. This particular portfolio included the following activities: class observation, teaching, and meetings with university administrators to agree on strategies that will guarantee the sustainability of the programme. An additional extraordinary cultural collaboration was added: Andrecia McLarty, Chrisle Thompson and Rushane Bailly, DMLL students presently pursuing a semester abroad under the same ERASMUS+ Mobility programme for students, have made a sterling contribution. All objectives have been successfully fulfilled as attested in the Certificate of Activities Carried Out. This Certificate, however, does not reflect the excellent synergies generated among academics, students and university administrators. Further developments emerging from this visit will be duly communicated.

Dr. Teresa Villoria-Nolla was the first member of the DMLL academic staff to be awarded this scholarship to participate in the above-mentioned programme during the period 10–15 December 2019. This portfolio included two (2) lecturers: one to second year students on Comparative Grammar; the other to first year students on Jamaican Culture as part of their course on “Culture of English Speaking Countries”. Comparing best practices, methodologies and curriculum with other lecturers better informed Dr. Villoria on the student exchange programme with Valladolid.

**Visit Chair of the Bridget Jones and William Mailer Trust**

This Trust offers small bursaries and grants for French students at Mona. It was set up in memory of Bridget Jones and William Mailer, who were both members of staff in French. Dr. Gertrud Aub-Buscher, former Head of the Department of French at The UWI Mona, and Chair of the Bridget Jones and William Mailer Trust, visited the DMLL on 18 March, 2019, to discuss with the members of the French programme and the HOD matters related to the grant of bursaries and follow-up reports. It was decided that from now on the HOD of DMLL will liaise officially with all stakeholders for the continuation of this support, and prepare necessary documentation to be submitted to the Trustees and The UWI Mona authorities in this regard. The Department is reconceptualising the principles and processes guiding grants and exchange programmes. Further developments will be duly informed.



### **Mexican Chair**

Dr. Rubén Olachea Pérez's public lecture "Knowing the stereotypes to transform them: Mexican Cinema, Past and Present" was successfully co-hosted with the Department of History and Archaeology on Tuesday, 6th November, 2018 at 5:30 p.m. in the Multifunctional Room, The UWI Main Library. The lecture was interdisciplinary and very engaging. First year Spanish Language students attentively participated and were actively involved during the dialogue session.

### **ICETEX Colombia Volunteers**

As part of the Department's ongoing collaboration with the Latin-American Caribbean Centre (LACC), and within the longstanding Academic Agreement with the Instituto Colombiano de Crédito Educativo y Estudios Técnicos en el Exterior (ICETEX), the DMLL continues to support and promote the student teaching immersion in Colombia and the request of teaching volunteers for the Spanish Programme.

The DMLL in collaboration with the Embassy of the Russian Federation in Jamaica, has organized an intensive **Russian language course Beginners'** for June 2019. The lecturers are Jamaican professionals who studied Medical Sciences, Management, Translation and Russian language in Moscow. They have offered to **teach this course as a courtesy to the Department** with the goal of raising awareness of the importance of Russian in the international arena. So far twenty (20) expressions of interest have been received and logistics put in place.

**Foreign Language Training Services** (Kindly see V. Income Generation Section)

### **Visitors/Visits**

On Monday, 15th April 2019, the DMLL hosted an hour Language Laboratory simultaneous sessions for sixty (60) visiting Grade 4 and Grade 5 students from **St. Ann's Bay Primary School**, St. Ann's. This practise comprised listening interactive activities and subtitling games. These young visitors must be praised for their excellent behaviour and enthusiasm shown for the given opportunity. This experience was deeply enriching for all those involved in the activity. The DMLL expresses its gratitude to the Mona Campus Marketing & Communications Office for coordinating the logistics for this visit. The DMLL intends to continue in a more structured way with this kind of outreach activity. Teachers accompanying students liaised with the Head of Department for further collaboration with regards to foreign languages teaching/learning and outreach activities.

On Thursday, 1st November 2018, third year Spanish language students (SPAN 3501) visited the **National Gallery in Kingston**. Their request was facilitated by the Course Coordinator due to its pertinence to the course's major theme: The Arts in

Latin America and the Caribbean. Dr. Rubén Olachea, Mexican Chair, joined the students in this field trip.

### Activities

The Department celebrated its 10th **Modern Languages and Literatures Day** on Thursday, 4th April 2019. The programme, held in N1, included greetings brought by each ambassador in attendance: Argentina, Brazil, Chile, France, Japan, Korea, Mexico, Russia, Spain, and Venezuela; two inspirational addresses to students brought by Ms. Alicia Reid and Mr. Duncan Reid, both UWI alumni whose daily work activities encompass the use of foreign languages. The addresses were interspersed with cultural items of the highest quality: songs, dances and poetry representing the languages offered at The UWI and making the event light and entertaining. Twenty (20) schools participated in the event bringing a total of approximately five-hundred (500) students to the campus. Members of the Campus and wider community were among other distinguished guests. Students enjoyed a diversity of Language Activities facilitated by colleagues and advanced language students in six (6) different venues in the Humanities area. Preparation for the event was engaging for everyone involved, and the teamwork exhibited was heartening and made it worth the effort. Language Students made a significant contribution to the organization acting as ushers and trainers as well as performers in the event. The Department's intention is to continue growing this event in a more articulated way with all stakeholders involved.

Modern Languages and Literatures day has been celebrated during the last decade. Its objectives and activities will be a matter of discussion at Departmental level during the summer period to be relaunched next year.

The third edition of the **Coulthard-Mailer Distinguished Lecture** in honour of the two past members of the Departments of Spanish and French respectively, was postponed for the academic next academic year. The reasons are as follows: changing of the Modern Languages and Literatures Day further down in April to accommodate a conference organized by the Department of History and Archaeology, constraints in human and financial resources, ongoing overall reorganization of the activity, and clashing of multiple Faculty activities during the month of April. **CAPE Workshop** was suspended for the same reasons. Schools that contacted the Department were offered support if needed. The overall organization and dynamics of this event will also be reexamined during the summer period for further action.

### Media

The article, “**Importance of Foreign Languages**” written by **Timothy Simmonds**, a third year Spanish Major Student, was published in the *Jamaica Gleaner* on Sunday, 24th March, 2019 (<http://jamaica-gleaner.com/authors/timothy-simmonds-contributor>).

This is the second contribution during the present academic year from the DMLL to the Humanities in Action Series initiative by the Faculty of Humanities and Education, The UWI Mona.

The article, “**The Vibrancy of Multilingualism**” written by **Nina Bruni**, was published in the *Jamaica Gleaner* on Sunday, 16th December, 2019 (<http://jamaica-gleaner.com/article/art-leisure/20181216/vibrancy-multilingualism>). Also posted in “Lead with Languages” 27th December 2018.

## **POSTGRADUATE MATTERS**

### **Masters of Art in Translation**

For the 2018-2019 academic year, the Masters of Art in Translation programme was quite active with students engaging and participating in departmental activities, The University of the West Indies Annual Research Day and the Department’s Modern Languages Day. All examination question papers and mark-sheets were submitted on time to the Examinations Section and students progressed well from semester one into semester two. Initially, a few new students’ registration status read full-time instead of part-time, however this was quick amended to reflect part-time with the help of the Office of Graduate Studies and Research and Registry Information Systems.

For this academic year, we also began with efforts to try to re-engage ‘at-large’ Masters of Art in Translation students who were only pending their Research Projects to be awards. To do this, an email was sent asking for them to come in and meet with the Academic and Administrative coordinators of the programme. Eight Students were contacted and of this figure, only two responded. From this two, one stated that she was progressing well and is expected to complete for this academic year. For the other student, she communicated that she though she is very committed to completing the programme, she is experiencing challenges with financing school at this time.

**Programme Review.** The DMLL proposed modifications to the assessment and mode of delivery of TRANS6101 (Principles and Practices of Translation) and TRANS6102 (General Translation), both foundational courses of the MA in Translation Studies (Spanish/French). The assessment was changed to 100% course work to account for the change from face-to-face to online mode of delivery and, mainly, for the developments in the pedagogy of Translations Studies as a relatively new discipline. A letter dated 12th April 2019 was sent to Professor Denise Eldemire-Shearer to offer a detailed rationale for these changes that will place our MA in Translation at the level of widely recognized translation programmes. It was also reassured that the DMLL is well equipped to fully deliver online the two proposed courses without incurring additional costs. (Cf. Section III.1.2)

**Admissions.** To date five (5) new students have been accepted to pursue the MA in Translation Studies (Spanish/French) for the academic year 2019–2020. One (1) PhD application in French needs to be completed for the Department to review it.

### **Masters of Philosophy in Spanish/French**

For the 2018–2019 Academic Year our Masters of Philosophy students also engaged. Mrs. Terisa Bernal-Benjamin gave her first seminar presentation on Thursday December 6, 2018 on “**Violence as Mental Prison in the Scorpio City Space**”. The seminar was attendance was low, however this was advantageous as students were able to ask multiple questions and interrogate her research process as she describe it. They were also able to give her alternative perspectives on the topics she presented.

Ms. Kaezia Mills also progressed in her programme. She has submitted a change in her research topic and continues to meet regularly with her supervisor.

Ms. Kerry-Ann Shadeed, another Master of Philosophy student within the department also advanced in her programme. Ms Shadeed continued her research and was awarded a grant from Graduate Studies Research and Publication. This grant was used by Ms. Shadeed to fund a trip to Cuba to do further research. Ms. Shadeed is now preparing to make a seminar presentation on this trip.

### **STAF/GRADUATE SEMINARS**

Several staff members presented in our Staff/Student Seminars during this academic year. Presentations have been made as seen below:

- **October 4, 2018:** “I Teach....I Research.....”  
Presenters: Dr. Nina Bruni, Dr. Francoise Cévaër, Dr. Marie-José Nzengou-Tayo, Dr. Teresa Villoria Nolla and Dr. Tamara de Inés Antón
- **October 18, 2018:** “How to become a Professional Translator?”  
Presenters: Dr. Tamara de Inés Antón, Ms. Sandra Hamilton, Mrs. Rona Passard-Barnett and Mrs. Esmeralda Nunes
- **November 15, 2018:** “The Journey.....Study Abroad.”  
Presenters: Dr. Nadine Barnett, Ms. Anthonisha Henry, Ms. Grace Perez
- **December 13, 2018:** “Aime Cesaire and Vodou: Unthinking Western Epistemology”  
Presenter: Dr. Jason Allen Paisant
- **May 21, 2019:** “Code Switching / Code Mixing / Code Twisting ? : Creole, French and English in Port-au-Prince Youth’s Speech as portrayed in *Bredjen Blues* by Haitian Writer Kettly Mars.”  
Presenter: Dr. Marie-José Nzengou-Tayo

Our graduate programme continues to encounter a completion challenge; the challenge of engaging students who have completed the taught course of the programme with only the outstanding research project to submit remains. Students seem to be either daunted by the task of doing research or have encountered financial or familial constraints that have prohibited them from moving forward. This has made it difficult to assist students administratively as they progress through the programme. Many times they withdraw from the programme without communicating officially to the Office of Graduate Studies and Research and upon trying to re-enter the programme they are faced with registration and financial clearance issues.

To counter this problem, the department will continue with efforts to re-engage students. We will also continue to inform and provide guidance to students on the proper channels and processes to follow should they want to 'voluntary withdraw' from a programme or requesting 'leave of absence'.

#### PAPERS PRESENTED

- **Dr. Françoise Cevaër** "The Imaginary Writer and The Staging of The Literary Figure in Lyonel Trouillot's *Parabole du Failli* (2013)." The 4th Biennial Conference of The International Autobiography Association Americas Chapter (IABA), UWI Mona, 13–15 June, 2019, 9 p.
- **Dr. Teresa Villoria-Nolla** "Estéticas cinematográficas postmodernas; (de)construcción de identidades en el relato narco criminal contemporáneo. "Congreso Internacional Hispanismo y Cine. VI Encuentro académico TECMERIN", Madrid, Universidad Carlos III, 2–5 July, 2019.
- **Dr. Tamara De Inés Antón** "Translation and Anthologisation as Mirroring Practices". V Jornadas Internacionales de Traductología: Perspectivas en Diálogo, Universidad Nacional de Córdoba, Republic of Argentina, 31 July–2 August 2019.
- **Dr. Tamara De Inés Antón** "The translation of *testimonio* and the canonisation of a genre". Multilingual Literatures: Interdisciplinary Conference, Gregynog Hall, Wales, 17–19 July 2019.
- **Mrs. Rona Barnett-Passard** "Cooperation among the national, regional, and international actors of Francophonie with a special on UWI, Mona", UNAPEC-Universidad APEC, French Embassy, and the AUF-Agence Universitaire de la Francophonie, Dominican Republic, 11–12 March 2019.
- **Dr. Nina Bruni** "La hospitalidad en la poética mística de Jit Manuel Castillo de la Cruz." Movimiento Interiorista del Ateneo Insular/ Academia Dominicana de la Lengua, Seminario Católico de la parroquia franciscana Nuestra Señora del Rosario, Villa Duarte, Santo Domingo, Dominican Republic, 22–23 June 2019. 26p.

- **Dr. Nina Bruni** “La hospitalidad en la poética mística de Martha María Lamarche, Tulio Cordero y Jit Manuel Castillo de la Cruz (República Dominicana)”. VII Jornadas Diálogos entre Literatura, Estética y Teología “La hospitalidad: encuentro y desafío”, Pontificia Universidad Católica Argentina Santa María de los Buenos Aires, Facultad de Teología y Facultad de Filosofía y Letras, Ciudad Autónoma de Buenos Aires, Republic of Argentina, 7–9 May 2019. 24p.
- **Dr. Nina Bruni** “Mercy and the Mystical: Engendering Mercy and Justice in Caribbean Spirituality.” Mercy Week Seminar, Coor. Sister Theresa Lowe Chin. St. Michael’s Seminary and Theological College, Kingston, Jamaica. 25 September 2018. 12p.

## PUBLICATIONS

### EDITED Books

- **Dr. Françoise Cevaër** and Carole Edwards, Eds. *La figure du loser dans le film et la littérature d’expression française*. Presses Universitaires de Limoges et du Limousin, November 2018, 174p.

### Refereed Journal Articles

- **Dr. Marie-José Nzengou-Tayo** « Impact de l’Occupation américaine sur la représentation des femmes dans la littérature haïtienne : hier et aujourd’hui ». In *Déjouer le silence: Contre-récits sur les femmes haïtiennes*. Ss. la direction de Denyse Côté, Sabine Lamour et Darline Alexis. Montréal / Port-au-Prince: Remue-ménage / Mémoire d’encrier / PressuniQ, 2018.
- **Dr. Marie-José Nzengou-Tayo** “Pyès teyat osijè migrazyon popilè ayisyen : Pèlin tèt pa Franketyèn ak DMP Kanntè pa Jan Mapou.” *Pawòl Kreyòl*. No. 15. Miami, October 2018.
- **Dr. Françoise Cevaër** « L’art de la perte dans la *Parabole du failli* de Lionel Trouillot ». In *La figure du loser dans le film et la littérature d’expression française*. Eds. Françoise Cevaër and Carole Edwards. PULIM, Presses Universitaires de Limoges et du Limousin, November 2018, 123–157.
- **Dr. Nina Bruni** “De la palabra a lo trascendente: *En la voz del silencio* de Jit Manuel Castillo de la Cruz.” *Cuadrivium*, Revista del Dept. de Español de la Universidad de Puerto Rico en Humacao, 13, Año 20, pp.44–53.

## INCOME GENERATION

### Training Programmes

**Beginner's Spanish Language** (Phase I) at the **Bureau of Standards Jamaica (BSJ)** for twenty (20) employees from September to November 2018. The course comprises of forty (40) teaching hours. Certificates of completion were awarded to the students in a special ceremony at the BSJ headquarters in December 2019. (Visit the DMLL's Facebook page [https://www.facebook.com/pg/modlanguwimona/photos/?tab=album&album\\_id=2159910024070026](https://www.facebook.com/pg/modlanguwimona/photos/?tab=album&album_id=2159910024070026))

Completion of **Lunch time Korean Language** Classes. Eight (8) students successfully completed this 20 contact-hour course during the period from September to November 2018. . It was held twice per week in the **Language Laboratory** in the Faculty of Humanities and Education. Certificates of completion were awarded to the students in their final class.

Completion of **Lunch-Hour Korean Language** Classes. Ten (10) students successfully completed this 20 contact-hour course during the period 4th February to 12th April, 2019. It was held twice per week in the **Language Laboratory** in the Faculty of Humanities and Education. Certificates of completion were awarded to the students in their final class.

For the period 23rd April to 7th June, 2019, the Department of Modern Languages and Literatures (DMLL) will be delivering a **Beginners' Business Spanish** course to sixty (60) employees of **The Victoria Mutual Building Society (VMBS)** in Kingston. This course covers a total of 42 contact hours distributed over six (6) contact hours per week for three groups of twenty (20) learners each. It is held in the VMBS premises in Kingston.

### Interpretation and Translation Services

Services include interpreting and translating at conferences and other official functions as well as translating birth certificates, transcripts, scientific and other documents. A more entrepreneurial structure to offer these services will be presented by December 2019.

## PUBLIC SERVICE

### Dr. Françoise Cévaër

- The Agence Universitaire de la Francophonie (AUF) (2005–present)
- The Haitian Studies Association (HAS) (2010–present)
- Women in French (2017–present)



- Jamaican Association of French Teachers (J.A.F.T) since 1997–present)
- CIEF, Conseil International d'Etudes Francophones (2010–present).

#### **Mrs. Rona Barnett-Passard**

- Coordinator for the Jamaica/Bahamas leg of the French Ministry of Education's (CIEP) Foreign Language Assistants in France Programme which allows Jamaican and Bahamian students of French to spend 9 months in France, from October 1 to April 30, as teaching assistants in French high-school or primary-school classrooms, while being immersed in the French language and culture.

#### **Dr. Nina Bruni**

- Apostolic and Educational Projects with the Missionaries of the Poor (MOP) Brothers. Kingston, Jamaica (2015–present).
- Corresponding member of the Academia Dominicana de la Lengua (Corresponding to the Real Academia Española, RAE-Spain), Santo Domingo, Dominican Republic. (Life-long appointment 28th April 2018).
- ExOfficio Board Member Alliance Française de la Jamaïque (2018–present).
- Member of the Permanent Interdisciplinary Seminar on Literature, Aesthetics and Theology [Seminario Interdisciplinario Permanente de Literatura, Estética y Teología (SIPLLET)]. Instituto de Investigaciones Teológicas, Facultad de Teología and Facultad de Filosofía y Letras, Pontificia Universidad Católica Argentina, Santa María de los Buenos Aires, Ciudad Autónoma de Buenos Aires, Republic of Argentina. (2018–present).

## **STUDENTS**

### **Departmental Prizes for the Faculty Awards Ceremony**

**Chinese.** **Amanda Gooden**, Most outstanding Chinese Student at Level II; **Monique Robb**, Most outstanding Chinese Student at Level III.

**Japanese.** **Rennique Thomas**, Most outstanding Japanese Student.

**French.** **Kodi-Anne Brown**, William Mailer Prize; **Russell Green**, Prix Jambec Prize; **Jamaal McKnight**, Bridget Jones & William Mailer Bursary.

**Spanish.** **Darian Reid**, Gabriel Coulthard Prize; **Jamaal McKnight**, Paul Davis Memorial Prize; **Jamila Scott**, Paul Davis Memorial Prize; **Darian Reid**, Kemlin Laurence Prize; **Russell Green**, Translation Prize; **Adia Maxwell**, Department of Modern Languages and Literatures Prize.

**United Nations Grants for Graduate Students MA in Translation Studies**

**Ashley Fraser** was granted a remote internship translating Spanish to English for The United Nations Regional Centre for Peace, Disarmament and Development in Latin America and the Caribbean (UNLIREC). Duration: 6 months (29th January 2019 to 28th July 2019).

**Gaby Barkley** was granted an internship in the English Translation and Editorial Service, Documentation Division, Department for General Assembly and Conference Management (DGACM) in New York. Duration: 2 months from 1 July 2019 to 30 August 2019. The internship is UNPAID and full-time. Interns work five days per week (35 hours) under the supervision of the Chief of the Translation and Editorial Service, the Chief of the Editing Section or the internship supervisors, as appropriate.

As part of TRAN6103 Institutional Translation, **all four MA students** were given the opportunity to enjoy seven remote training/feedback sessions with members of the English translation section of UN New York (21 and 28 February, 14 and 21 March, 4, 11 and 25 April, 2019).



# SCHOOL OF EDUCATION

Professor Disraeli Hutton – Director

## OVERVIEW

The repositioning of the School of Education (SOE) continued in the academic year 2018/2019. Specifically there was an emphasis on curriculum renewal, active pursuit of multi-modal delivery of courses and programmes, efforts to increase research and publications output and measures for the strategic recruitment and deployment of staff to support the development and change defined in the repositioning plan of the School.

## TEACHING AND LEARNING

Two members of faculty were elevated to the position of senior lecturer.

The staff members of the School of Education continue to score very highly in the area of teaching: the average score is more than 4.0.

The external review team that led the Quality Assurance exercise in April 2018 observed that “the . . . SOE [is] a well-equipped educational institution, which . . . has emerged as a school well suited for its designated purpose.” As such “the SOE must find a way to provide programmes that are relevant to the people”. The School continues to be responsive to market needs, developing courses and programmes that are relevant to the society. Students’ performance in undergraduate and graduate programmes for 2018–2019 are recorded in Tables 1–3.

Table 1 provides a summary of the number of students who were awarded First Class Honours, Second Class Honours and Pass Degrees for 2018–2019 in the Bachelor of Education programme.

Table 1: Bachelor of Education Awards 2018–2019

First Class Honours	Second Class Honours		Pass	Total
	Upper	Lower		
4	22	16	6	48

Table 2 shows the number of students who completed the requirements in twelve specializations for the award of the Master of Education or Master of Arts degree as well as the doctoral programme in 2018–2019.

**Table 2: M.Ed. & M.A. & PhD Awards by Programme 2018/2019**

Programmes	Option A <sup>1</sup>	Option B <sup>2</sup>	Total
M.Ed. Curriculum Development	21	9	30
M.Ed. Educational Administration	55	6	61
M.Ed. Educational Measurement	1	1	2
M.Ed. Educational Planning and Policy	7	5	12
M.Ed. Educational Psychology	5	7	12
M.A. Higher Educational Management	4	–	4
M.Ed. Language Education	1	2	3
M.Ed. Literacy Studies	–	5	5
M.Ed. Mathematics Education	6	–	6
M.Ed. Science Education	7	5	12
M.A. Teacher Education & Teacher Development	6	1	7
M.A. VET & WFD	–	11	11
<b>Master's Degree Total</b>	<b>113</b>	<b>52</b>	<b>165</b>
<b>Doctor of Philosophy (PhD)</b> 1. Educational Administration 1. Education 1. Teacher Education			3
<b>Overall Total</b>			<b>168</b>

<sup>1</sup>**Option A:** 36 Credits – 12 Taught Courses ONLY

<sup>2</sup>**Option B:** 36 Credits – 9 Taught Courses & the Research Project 42 Credits including the Research Project – TVET & WFD Programme

Table 3 provides the following summary information for Parts 1 and 2 of the Master of Arts in Teaching programme for 2018–2019:

Students who complete Part I of the MAT programme and terminate after one year are awarded the Post Graduate Diploma in Education. Completion of Parts 1 and 2 requires two years and as such persons completing Part 2 in 2019 would have started the programme in 2017.

**Table 3:** Students Who Completed Parts 1 and 2 in 2018–2019

Track 1	Part 1		Part 2	
	No. Completed	No. Proceeding to Part 2 (2018-2019)	No. Awarded PGDE	No. Completed (Registration 2017-2019)
History	N/A	–	–	1
Modern Foreign Language	N/A	–	–	–
Mathematics	N/A	–	–	–
Science	8	3	5	1
Social Studies	26	13	13	5
English	7	2	5	1
Information Technology	1	1	–	–
<b>Total</b>	<b>42</b>	<b>19</b>	<b>23</b>	<b>8</b>

## STRENGTHENING NATIONAL ENGAGEMENT AND INTERNATIONAL COLLABORATION

### Talk The Poem

The annual Talk the Poem National Poetry Recitation Competition (TTP) was held between January and April 2019. At the beginning of the 2018/2019 academic year, the Director of the Jamaica Library Services expressed an interest in partnering with the Talk the Poem National Poetry Recitation Project and this resulted in the formation of a partnership between both entities – the School of Education, UWI, Mona and the Jamaica Library Service of Jamaica. This partnership created the opportunity for the TTP County levels of the Competition to be held at the parish libraries located in Manchester, Kingston and St Andrew and St. James. March 11–15, 2019.

The TTP National finals was held on April 9, 2019 at the Philip Sherlock Centre for the Performing Arts, at the University of the West Indies, Mona Campus. There were fifteen finalists representing the top five participants from each county. The winner of the 2019 competition was Daindra Harrison of Ardenne High school who received a full three-year scholarship to The University of the West Indies, Faculty of Humanities and Education. Daindra will also receive an annual stipend of two hundred thousand dollars (\$200,000) from The UWI. Through TTP's partnership with Talking TreesLiterary Festival, held in St. Elizabeth in May 2019, Daindra was invited to be a

part of the poetry reading session with distinguished poets from across the Caribbean and the diaspora. TTP continues to find creative ways to partner with those who will help to prepare a future generation of poets for the Caribbean region.

### **PRINCIPALS' BREAKFAST MEETING**

The School of Education Breakfast Meeting with school principals was held on August 30, 2018. The guest speaker was Minister of State in the Ministry of Education, Youth and Information, Mr. Floyd Green. Other invited guest speakers included: The Immediate Past Campus Registrar of The University of the West Indies Mona Campus, Dr. Camille Bell-Hutchinson, the Executive Director of the National Education Inspectorate (NEI), Mrs. Maureen Dwyer, Senior Director of Standards, from the University Council of Jamaica (UCJ), Mrs. Karen Gayle. The theme of the Breakfast Meeting was Preparing Teachers for 21st Century Learners.

### **MIXED METHODS RESEARCH**

The third regional conference was hosted by the *Mixed Methods Research International Research Association – Caribbean Chapter* from March 26–28, 2019 at the Arthur Lok Jack Global School of Business, Max Richards Drive, Trinidad. The theme of the conference was *Integrating Qualitative and Quantitative Approaches: Tensions, Challenges and Possibilities*. Approximately 200 participants attended.

### **STEM PRESENTATION**

Senior Lecturer in Science Education, Dr. Aldrin Sweeney, presented the 4th annual distinguished lecture of the Faculty of Humanities and Education on Thursday, April 11, 2019. Dr. Sweeney's presentation was entitled: *Taking STEM Education to the Next Level: Implications of Nanotechnology-Biotechnology, Information technology and Cognitive Science (NBIC) Converging Technologies for Developing Countries*. The lecture addressed the current status of STEM education in developing countries and suggested strategies for a more coherent integration of STEM education approaches at the secondary and tertiary education levels and discussed several implications of NBIC converging technologies for developing countries in the 21st century.

### **GRADE NINE MATHEMATICS PROBLEM SOLVING COMPETITION**

The annual Grade 9 Mathematics Problem-solving competition was held on Thursday, April 11, 2019. The competition, which began in 2002 is designed to promote critical thinking, problem-solving, and collaborative working skills among students, drew participation of approximately thirty high and junior high schools across Jamaica. The design of the competition involves students from each school working in groups of

four to work of real life problems that require mathematical thinking in order to solve them. The top three schools of this year's competition include: Mount Alvernia High School – 1st place, Calabar High School – 2nd place and Glenmuir High School – 3rd place.

## **EDUCATION FOR SUSTAINABLE DEVELOPMENT**

The Education for Sustainable Development Working Group held a joint workshop with colleagues from London South Bank University and the University of Gloucestershire on ESD and Assessment Practices in Higher Education, May 2–3, 2019.

As part of UWI Research Days 2019, an ESD Forum was hosted under the theme '*Education for Sustainable Development: For Whom and For What*', with panel presentations from Dr. Carol Hordatt Gentles, Mrs. Vileitha Davis-Morrison, Dr. Therese Ferguson, and Dr. Canute Thompson. The Forum was moderated by Dr. Aldrin Sweeney.

## **TVET CONFERENCE**

The School of the Education staged the fourth International Conference on TVET at the Hilton Rose Hall Hotel and Spa in Montego Bay from May 22 to 24, 2019. The theme of the conference was: *TVET Towards the 21st Century Economy: Principles, Strategies and Work Practice*. Pro Vice Chancellor and Campus Principal Professor Dale Webber was the guest speaker at the conference. There were over two hundred (200) participants. Registered participants for workshops and plenary sessions and exhibit booths were part of the features of the conference. As a result approximately 285 persons were registered participants hailing from Jamaica and the rest of the Caribbean region, the United States of America, Canada, Nigeria and India. There were also 4 exhibit booths with exhibitors from the USA and Jamaica.

## **DUDLEY GRANT EARLY CHILDHOOD RESOURCE CENTRE**

Two projects were managed by the Dudley Grant Early Childhood Resource Centre during the 2018–2019 academic year. The INSIGHTS in Jamaica Programme and the Early Interactions Project. Approximately \$26,000,000.00 dollars was acquired from CHASE Funds for the Early Interactions Project (EIP) which involved the placement of trained early years coaches in nursery settings and day care centres to address issues relevant to global process quality within these settings. The acquisition for the funding of the EIP was recognized by the Principal. Zoyah Kinkead-Clark, Senior Lecturer in Early Childhood Education and Principal Investigator was awarded the Principal's Award for "Research Project Attracting The Most Research Funds".



**ACADEMIC STAFF: PUBLICATION, SERVICE AND AWARD (2018/2019)****Special Presentations and Invited Lectures**

- **Stewart, S.** (2019, April). *Setting the Scene: Case Studies of Stigma. Taxing the African-American Student: The Impact and Mitigation of Structural Stigma on Test Performance and School Success.* (Invited Speaker) Educational Testing Service (ETS), Princeton, NJ.
- **Stewart, S.** (2018, December). *Social Emotional Learning and Teacher Preparation. Session 603: Social and Emotional Learning: A Global Synthesis.* Salzburg Global Seminar, Salzburg, Austria.
- **Stewart, S.** (2018, November). *Interrogating Transnational Anti-Blackness in Higher Education* (Invited Speaker) for the Interactive Symposium at the Association for the Study of Higher Education, Tampa, FL, USA.
- **Stewart, S.** (2018, October). *Inclusivity for First Generation Students In & Out of the Classroom.* (Invited Guest Speaker) Council for Opportunity in Education Executive Leadership Institute, Cornell University, New York.
- **Stewart, S.** (2018, September). *Critical and Inclusive Pedagogies: Building a Diverse Learning Environment.* (Invited Keynote Speaker) Plenary Speaker, 37th Annual Council for Opportunity in Education, New York City, New York.

**Books**

- **Feraria, Paulette.** (May 2019) *Achieve: A Writing Course for Caribbean Students:* Second Edition. Hodder Education. London: England. 375 pages.
- **Ferguson, T., iliško, D., Roofe, C., & Hill, S.** (2018). *SDG 4 – Quality education: Inclusivity, equity and lifelong learning for all.* Bingley, United Kingdom: Emerald
- **Thompson, C. S.** (2019c). *Reimagining Educational Leadership in the Caribbean.* Kingston: University of the West Indies Press (130 pages).
- **Thompson, C. S.** (2018e). *Reflections on Leadership and Governance in Jamaica: Towards a Better Society.* Kingston: Arawak Publications. (130 pages).

**Monograph**

- **Spencer-Ernandez, J., & Edwards-Kerr, D.** (2018). *Baseline Survey of Teacher Training for Special Needs Education in the Caribbean.* Kingston, Jamaica: Ian Randle Publishers. (Pages 79)

## Book Chapters

- **Bramwell-Lalor, S.** (2019). *Assessment for learning on sustainable development*. In: Leal Filho W. (eds) *Encyclopedia of Sustainability in Higher Education*. Springer, Cham.
- **Feraria, Paulette.** (2019). *Flip and Retrofit University Lecture Theatre into Caribbean Classrooms: Turning Teacher Education and Training Inside-Out*. In M. Sein-Echaluce, Á. Fidalgo-Blanco, & F. García-Peñalvo (Eds.), *Innovative Trends in Flipped Teaching and Adaptive Learning* (pp. 38–54). Hershey, PA: IGI Global. doi:10.4018/978-1-5225-8142-0.ch003
- **Ferguson, T.** (forthcoming, July 2019). *Addressing anti-social behaviour and violence as barriers to learning: Lessons from Jamaica's Change from Within programme*. In S. Blackman, D. Conrad, & L. Brown (eds.). *Achieving inclusive education in the Caribbean and beyond: From philosophy to praxis*.
- **Kinthead-Clark, Z.** & Hardacre, C. (2019). *Using cross cultural conversation to contextualize understandings of play; a multinational study*. In Nicholson, J. & Wisneski, B. (Eds.), *Reconsidering The Role of Play in Early Childhood; Towards Social Justice and Equity* (pp.) New York, NY: Routledge.
- **Bramwell-Lalor, S. Rainford, M.** & Ison, M. (2019). Pre-service science teachers' reflections on the field experience: Does context matter? In *Science Education in the 21st Century – Re-searching Issues that Matter From Different Lenses* Springer Nature Singapore Pte Ltd.
- **Miller, P., Rooffe, C., & García-Carmona, M.** (2019). *School Leadership, Curriculum Diversity, Social Justice and Critical Perspectives in Education*. In Pamela S. Angelle & Torrance, D. (Eds.), *Cultures of social justice leadership: Intercultural contexts of schools*. Basingstoke, UK: Palgrave Macmillan.

## Magazine

- **Feraria, Paulette** (Ed) 2019: *SOETRAIL Best Practice Magazine for the Scholarship of Teaching and Learning*. Media in Education Centre for the Scholarship of Teaching and Learning. School of Education. The University of the West Indies, Jamaica.

## Journal Articles

- **Bramwell-Lalor, S., Ison, M.** “Environmental Education for Sustainable Development in teacher preparation: Examining the learning outcomes.” *Caribbean Quarterly*.
- **Cook, L. D. & Jennings, Z.** (2019). “The Value Attached to Education by Jamaican Secondary School Students: Gender and School Type Differences”. *Caribbean Journal of Education*, 40 1&2, 9–31.

- **Cook L.D.** (December 2018). *Students' Reflections on Interactions in a Blended Learning Environment*. *Journal of Education and Development in the Caribbean*, 17(2), 184–208
- **Cook L.D.** (December 2018). "Students' Reflections on Interactions in a Blended Learning Environment". *Journal of Education and Development in the Caribbean*, 17(2), 184–208.
- **Roofe, C. & Ferguson, T.** (2018). Technical and vocational education and training curricular subjects at the lower secondary level in Jamaica: A preliminary exploration of education for sustainable development content. *Discourse and Communication for Sustainable Education*, 9 (2), 93–110.
- **Ferguson, T., Samuels, D., & Gordon, T.** (2018). More than therapeutic: The role of the Change from Within programme's 'Circle of Friends' in leadership development to address violence. *Journal of Education and Development in the Caribbean*, 17(2), 1–30.
- **Carby, B., Ferguson, T., Steele, S., & Maiyaki, Z.** (2018). An exploration of inclusivity for persons with disabilities in disaster risk management planning at the national and local government levels in Jamaica. *Disabilities Studies Quarterly*, 38(4). <http://dx.doi.org/10.18061/dsq.v38i4.5776>
- **Voutsina, C., George, L., & Jones, K.** (2019). Microgenetic analysis of young children's shifts of attention in arithmetic tasks: Underlying dynamics of change in phases of seemingly stable task performance. *Educational Studies in Mathematics*, 1–28. doi:10.1007/s10649-019-09883-w.
- **Kinkead-Clark, Z.** (2019). Exploring children's play in early years learning environments. How do the beliefs of teachers' inform children's play? *Journal of Early Childhood Research*. DOI. 10.1177/1476718X19849251
- **Kinkead-Clark, Z.** (2018). School readiness at the nexus between poverty and education. Illuminations of two Jamaican teachers. *Journal of Curriculum, Teaching, Learning and Leadership in Education* 3 (1), 37–42.
- **Escayg, K-A. & Kinkead-Clark, Z.** (2018). Mapping the contours of Caribbean early childhood education. *Global Education Review* 5 (4), 236–253.
- **Lewis-Fokum, Y.** "Book review: What do Jamaican children speak: A resource by Michele M. Kennedy," *Caribbean Journal of Education*, vol. 40, no. 1–2, pp. 260–263, 2018.
- **Coy, A., James-Williamson, S., Bramwell-Lalor, S., Sadler-McKnight, N., McLean, N., Penugonda, V., & Rainford, M.** (2019). A review of a tertiary level institution's initiative for enhancing education in STEM at the secondary school level. *Journal of Education and Development in the Caribbean*. 132–182. <https://www.mona.uwi.edu/soe/publications/jedic/journal/jedic-vol-18-no-1>

- Onyefulu, C. & Roofe, C. (2019). Characteristics, Technology Capabilities, and Experiences of In-Service Teachers on the Use of Online/Blended Learning at a Tertiary Institution in Jamaica. *Open Access Library Journal*, 6, e5147. <https://doi.org/10.4236/oalib.1105147>
- Roofe, C. (2018). *Schooling, teachers in Jamaica and social responsibility: rethinking teacher preparation*. Social Responsibility Journal, <https://doi.org/10.1108/SRJ-10-2017-0202>.
- Spencer, A. (2019). “Reshaping girlhood, reimagining womanhood”: The female child protagonist and the post-diasporic condition in Jamaican female-authored Children’s Literature. *The Caribbean Review of Gender Studies: A Journal of Caribbean Perspectives on Gender and Feminism*. Issue 13. St. Augustine: Institute for Gender and Development Studies. (Accepted for Publication.)
- Spencer, A. (2019). Literature in the Service of Popular Culture. *The UWI Quality Education Forum. Special Issue. The Humanities and Education in Focus*. Number 23. Kingston: The Office of the Board for Undergraduate Studies (OBUS).
- Spencer, A. (2018). ‘Breaking the Mirror’: Reshaping perceptions of national progress through the representation of marginalized cultural realities. In J. Stephens (Ed.), *The Routledge companion to international children’s literature* (pp.114-122). Abingdon, Oxon; New York: Routledge.
- Stewart, S. (2019). Navigating the Academy in the Post-Diaspora: #Afro Caribbean Feminism and the Intellectual and Emotional Labour needed to Transgress. *Caribbean Review of Gender Studies*.
- Stewart, S. (2019). From slave narratives to ‘groundings’: Moving from the peripheries to the centre of knowledge. In S. Stewart (Ed.), *Decolonizing qualitative approaches for and by the Caribbean*. Information Age Publishing, Inc.
- Haynes, C. & Stewart, S. (2019). Framing the Caribbean Landscape: Approaching Grounded Theory from a Decolonizing Perspective. In S. Stewart (Ed.), *Decolonizing qualitative approaches for and by the Caribbean*. Information Age Publishing, Inc.
- Stewart, S. (Ed.) (2019). *Decolonizing qualitative approaches for and by the Caribbean*. North Carolina: Information Age Publishing, Inc. (page count: 242).
- Stewart, S., Haynes, C., & Deal, K. (2019). “Enacting Inclusivity in the Preparation of Emerging Scholars: A Response to Programme Reform in Higher Education. Learning and Teaching”. *The International Journal of Higher Education in the Social Sciences*.
- Thompson, C. S. (2019b) Examining teachers’ perspectives on effective organizational change strategies. *Educational Planning* Vol. 26 (2).
- Thompson, C. S. (2019a). Attitudes of school administrators and stakeholders

towards School-improvement planning. *Educational Planning* Vol. 25 (4). <http://isep.info/volume-25-issue-4>.

## PAPERS PRESENTED

- **Bramwell-Lalor, S. (2019, March).** The Nature of Science: Science teachers' beliefs and instructional practices. The Mixed Methods International Research Association- Caribbean Chapter (MMIRACC) Conference.
- Ison, M., & **Bramwell-Lalor, S. (2019, February).** Science teachers promoting sustainability through Environmental Education. The University of the West Indies Schools of Education Biennial Conference (St. Augustine Campus), Trinidad and Tobago.
- Spencer-Ernandez, J., Edwards-Kerr, D., and **Daley-Morris, P** (August 5, 2018) *Identifying Barriers to Inclusion: Status of Special Needs Education in the Commonwealth Caribbean*. World Education Research Association (WERA) August 3–5, 2018, Cape Town, South Africa.
- **Edwards-Kerr, D** and Spencer-Ernandez, J (August 4, 2018) Finding Inclusive and Social Constructivist Practices in Caribbean Classrooms. World Education Research Association (WERA) August 3–5, 2018, Cape Town, South Africa.
- **Ferguson, T. (2019).** Developing a Master's Degree Programme in Education for Sustainable Development: Conceptual Considerations and Real-World Realities. The University of the West Indies Schools of Education Biennial Conference 2019, February 19–21, 2019. St. Augustine, Trinidad and Tobago.
- **Ferguson, T., & Gordon, T. (2019).** 'Miss, this is a lot of work': Exploring students shifting reactions to qualitative research. The Qualitative Report's 10th Annual Conference, January 16–18, 2019. Fort Lauderdale, Florida, USA.
- **Ferguson, T. (2019).** Leadership to Transform School Cultures of Indiscipline and Violence: Insights from the CFW Circle of Friends. In C. Roofe (Chair), Critical Issues in School Leadership: Exploring Strategies for Effectiveness. Symposium conducted at the International Conference on Educational Leadership and Management, March 7–8, 2019, Kingston, Jamaica.
- **Ferguson, T. (2019).** Reflection, Dialogue, and Transformation through Participatory Action Research: Experiences of Jamaica's Change from Within Programme. In Y. Lewis-Fokum (Chair), Decolonizing Qualitative Methodologies *For and By* the Caribbean: Implications for Caribbean Researchers. Symposium conducted at The University of the West Indies Schools of Education Biennial Conference 2019, February 19–21, 2019. St. Augustine, Trinidad and Tobago.
- **George, D. (2018, August 3–5).** *A Missing Part of the Whole: Mathematics Performance in Dominica: Lessons from a Qualitative, Microgenetic, Decolonizing*

*Study on Fraction Learning*. Paper presented at the 2018 World Education Research Association (WERA) World Congress in Cape Town, South Africa.

- **George, D.** (2018, September 10–13). *How Does Partitive Quotient Knowledge Develop from Previous Part-Whole Fraction Learning?* Paper presented at the 2018 British Education Research Association (BERA) conference in Newcastle, United Kingdom.
- **Hordatt Gentles, C.** (2019) Presented on the topic: “Teacher Leadership. A Viable Option for Jamaica” as part of a symposium panel at IEALJ conference with Professor Hutton, Dr Canute Thompson and Dr. Therese Ferguson. The title of Symposium was Critical Issues in School Leadership: Exploring Strategies for Effectiveness.
- **Hordatt Gentles, C.** (2019) Presented a paper at the SOE Biennial Conference at The UWI, St. Augustine Campus in The Republic of Trinidad and Tobago in February. Title: “Assuming the role of Researcher as part of Jamaican Teacher Identity”.
- **Ison, M.** (2019, March). Development and validation of an instrument to measure student engagement in science lessons. Round Table Presentation at Mixed Methods Conference, Trinidad.
- **Ison, M., & Bramwell-Lalor, S.** (2019, February). Science teachers promoting sustainability through Environmental Education. The University of the West Indies Schools of Education Biennial Conference (St. Augustine Campus), Trinidad and Tobago.
- **McCallum, D.** (2018, May-June). *An uncomfortable truth about higher education teaching: pedagogy or andragogy?* Paper presented at the Lilly Conference on Designing Effective Teaching, Bethesda, Maryland.
- **McCallum, D.** (2017, August). *Engaging and motivating students in Higher Education: Issues and Challenges*. Paper presentation at the Lilly Conference on Designing Effective Teaching, Asheville, North Carolina, August 7–9, 2017.
- **Rainford, M.** (2019, February). *Improving in-service secondary chemistry teachers’ pedagogical content knowledge*. Poster presented at the Gordon Research Conference, (Using Education Research to Foster Meaningful Chemistry Learning), Bates College, Lewiston, ME, US.
- **Rainford, M.** (2019, February). *Exploring science education students’ pedagogical reasoning and action: A multi-site case study of students’ transition into teaching in four Caribbean countries* . Paper presented at the Schools of Education Biennial Conference, (Education Beyond Borders: Breaking Barriers Building Bridges) , St. Augustine Campus Trinidad and Tobago.
- **Spencer-Ernandez, J., Edwards-Kerr, D., and Daley-Morris, P** (August 5, 2018).



*Identifying Barriers to Inclusion: Status of Special Needs Education in the Commonwealth Caribbean*. World Education Research Association (WERA) August 3–5, 2018, Cape Town, South Africa.

- **Stewart, S.** (2019, January). Strategies to Engage Higher Education Learners in Critical Thinking. Invited Speaker for Brown's Town Community College. Brown's Town, St. Ann, Jamaica.
- **Stewart, S.** (2018, November). The legacy, present and future of qualitative research methods: A tribute to Yvonna Lincoln. In C. Stanley (Chair) Presidential Session. Symposium presented at the 2018 Association for the Study of Higher Education, Tampa, FL, USA. 2018 Association for the Study of Higher Education Conference, Tampa, FL, USA Presidential Scholarly Symposia.
- **Stewart, S.** (2018, November). From Slave Narratives to 'Groundings': Mapping the Caribbean within the Centre of Decolonizing Qualitative Approaches (pp.1–25). In R. Wright-Mair (Chair), *Decolonizing qualitative methodologies for and by the Caribbean: Implications for critical researchers*. Symposium presented at the 2018 Association for the Study of Higher Education, Tampa, FL, USA.
- **Stewart, S.** (2018, November). Invited speaker for the Interactive Symposium: Interrogating Transnational Anti-Blackness in Higher Education at the Association for the Study of Higher Education, Tampa, FL, USA.
- **Stewart, S.** (2018, September). From Slave Narratives to 'Groundings': Mapping the Caribbean within the Centre of Decolonizing Qualitative Approaches (pp.1–25). In S. Stewart (Chair), *Decolonizing qualitative methodologies for and by the Caribbean: implications for critical researchers*. Symposium accepted and presented at the Caribbean Methodologies Conference, University of Trinidad and Tobago, Trinidad.
- **Stewart, S., & Tuitt, F.** (2018, August). Towards a more critical and inclusive pedagogy: diversity and equity considerations for postsecondary classrooms around the globe (pp.1–25). In C. Millett (Chair), *Reimagining global access to postsecondary education (gaps) perspectives of GAPS partners*. Symposium accepted and presented at the 2018 World Congress of The World Education Research Association (WERA), Cape Town, South Africa.
- **Stewart, S.** (2018, August). Plantation pedagogies in contemporary higher education classrooms: instruments of the slave society and manifestations of plantation politics (pp.1–25). In F. Tuitt (Chair), *Reimagining a Radical Pedagogy of Resistance: Race, equity, and the continued search for inclusive postsecondary learning environments around the world*. Symposium accepted and presented at the 2018 World Congress of The World Education Research Association (WERA), Cape Town, South Africa.
- **Stewart, S.** (2018, August). From Slave Narratives to 'Groundings': Mapping the



Caribbean within the Centre of Decolonizing Qualitative Approaches (pp.1–25). In F. Tuitt (Chair), *Decolonizing qualitative methodologies for and by the Caribbean: implications for critical researchers*. Symposium accepted and presented at the 2018 World Congress of The World Education Research Association (WERA), Cape Town, South Africa.

- **Stewart, S.** (2019, June). *Unapologetically Black and Authentically Me: Survival Narratives of Afro-Caribbean Women Academics in Higher Education across the Diaspora*. Invited Keynote Speaker, University of Groningen, Groningen, Netherlands.
- **Williams-McBean, C.** In Step with PEP: Developing Effective Test Items and Rubrics. Workshop presented to primary school teachers across Jamaica, at the Jamaica Teachers' Association Education Symposium, Western Jamaica Conference Center, Montego Bay, Jamaica, November 28, 2018.

### Encyclopedia Entries

- **Ferguson, T.** (2019). Climate change education for sustainable development, in W. Leal Filho (ed.) *Encyclopedia of sustainability in higher education*. Cham: Springer. <https://doi.org/10.1007/978-3-319-63951-2>.
- Minott, D., **Ferguson, T.**, & Minott, G. (2019). Critical thinking and sustainable development, in W. Leal Filho (ed.) *Encyclopedia of sustainability in higher Education*. Cham: Springer. <https://doi.org/10.1007/978-3-319-63951-2>.

### Newspaper Articles

- **Ferguson, T.** (2019, March 12). Transforming school culture: Change from within schools. *Jamaica Observer*, p. 14.

### SERVICE TO THE REGION

- **Cook, L.** (2018) Chairperson. Mixed Methods International Research Association-Caribbean Chapter, she is also the Immediate Past President.
- **Cook, L.** (2018) Board Member. Operation Save Jamaica. Academic Adviser for Operational Restoration Christian School.
- **Davis-Morrison, V.** (2018). Content Specialist. Reviewing Primary Specialist Social Studies Programme: Preparation for delivery of Primary Specialist Programme. Ministry of Education Youth and Information, Jamaica, July 2, 2018.
- **Davis-Morrison, V.** (2018, May 28): Teaching Knowledge, Fostering Positive Values and Attitudes in the Jamaican Classroom for the 21st Century. Professional Development Workshop, Shortwood Teachers' College.

- **Davis-Morrison, V.** (2018) Content Specialist/Reviewer. Upgrading the Standards Curriculum Civics Units for Grades 4–9. Ministry of Education Youth and Information, Jamaica, May 7–11, 2018.
- **Feraria, P.** (2018) Chairperson and Founder. Executive Committee for Scholarship of English Language Teaching and Learning (SoELTL) Caribbean Commons, A Professional Learning Community of Educators.
- **Feraria, P.** (2018) Board Member. Moneague College, St. Ann.
- **Ferguson, T.** (2018) Chair of University Council of Jamaica (UCJ) Standards Committee for generic postgraduate degrees.
- **Ferguson, T.** (2018) Member. Board of Management, Hope Valley Experimental School.
- **Ferguson, T.** (2018) Member. North American Association for Environmental Education.
- **Ferguson, T.** (2018) Member. Jamaica Institute of Environmental Professionals.
- **Ferguson, T.** (2018) Member. Institute for Educational Administration and Leadership, Jamaica.
- **George, L.** (2019) Co-Facilitator. Workshop: ‘Integrating Mathematics with the Visual and Performing Arts’ with Dr. Lorna Thompson from the Ministry of Education, Youth and Information at The MICO International Mathematics Teaching Summit. Kingston, Jamaica.
- **George, L.** (2018) Co-Guest Editor. Journal of Education & Development in the Caribbean (JEDIC) special theme issue entitled “STEM Education in the Caribbean: Challenges, Goals and Possibilities”.
- **Kinkead-Clark, Z.** (2018-2019) Co-Chair. University Council of Jamaica, Academic Standards Committee.
- **Kinkead-Clark, Z.** (2018–2019) Chairperson. Training of Early Childhood Trainers Initiative
- **Kinkead-Clark, Z.** (2018–2019) Member. National Early Childhood Development Oversight Committee.
- **Kinkead-Clark, Z.** (2018–2019) Member. Training and Human Resource Sub Committee- Board Early Childhood Commission.
- **McCallum, D.** (2018, June-July). Chief Examiner for Cape History Marking Exercise including e-marking of Electronic-School Based Assessment (E-SBA).
- **McCallum, D.** (2018, May 29). Conducted workshop on *Nurturing the Emerging Teacher: Meeting the needs of the 21st century learners* as part of a Professional Development Summer Institute for lecturers of the Shortwood Teachers College

- **McCallum, D.** (2018, Feb. 19). Conducted workshop with final year students and lecturers on *Doing Action Research in Early Childhood and Primary Educational Settings* at the St. Josephs Teachers College.
- **McCallum, D.** (2018, January 18). Conducted workshop session on *Professional Development for Teacher Education: Preparing Prospective Teachers for the 21st century* classroom. Workshop hosted by the Ministry of Education, Youth and Information as a part of a special initiative to increase the number of fully trained Mathematics and Science available for deployment in the education system.
- **McCallum, D.** (2017, November): Nominated to represent the School of Education on the Steering Committee for the development of the *Pathways to Secondary Education Policy* of the Ministry of Education, Youth and Information (MOEYI).
- **Spencer, A.** (2018) Advisor. Lantana Publishing, UK – Caribbean.
- **Spencer, A.** (2018) Member. Children's Literature Association (ChLA).
- **Sweeney, A.** (2018) Co-Guest Editor. *Journal of Education & Development in the Caribbean* (JEDIC) special theme issue entitled "STEM Education in the Caribbean: Challenges, Goals and Possibilities".

#### SERVICE TO THE INTERNATIONAL COMMUNITY

- **Cook, L.** (2018) Associate Editor. *International Journal of Multiple Research Approaches*.
- **Ferguson, T.** (2018) Chairperson. Taskforce on the Internalization of Curriculum Studies, American Association for the Advancement of Curriculum Studies.
- **Ferguson, T.** (2018) Chairperson. Membership Committee, American Association for the Advancement of Curriculum Studies.
- **Ferguson, T.** (2018) Member. American Association for the Advancement of Curriculum Studies.
- **Ferguson, T.** (2018) Member. American Educational Research Association.
- **Ferguson, T.** (2018) Member. British Educational Leadership and Educational Research Society.
- **Ferguson, T.** (2018) Member. International Advisory Board, *Environmental Education Research*
- **Ferguson, T.** (2018) Guest Editor. Editorial Board for a volume of the journal, *Discourse and Communication for Sustainable Education*
- **Ferguson, T.** (2018). Chairperson. Online conference of the International Network of Teacher Education Institutions (INTEI) associated with the UNESCO and served as Chair on Reorienting Education to Address Sustainability.

- **Kinkead-Clark, Z.** (2018–2019) Member. European Early Childhood Research Association Transitions Special Interest Group.
- **Moore, S.** (2018) Workshop Facilitator. The Commonwealth of Learning, Canada. She will facilitate capacity building workshops for the academic staff of the University of Belize in the transitioning of their face-to-face M. Ed. Educational Leadership programme for online and blended delivery.
- **Stewart, S.** (2019) Advisor. Caribbean Public Health Agency (CARPHA), Research Advisory Committee (RAC) to serve the agency located in the Republic of Trinidad and Tobago for two years.
- **Stewart, S** (2018) Member. Higher Education Commission, Jamaica Ministry of Education.

## AWARDS

- **Dr. Loraine Cook** was recognized by the Mixed Methods International Research Association – Caribbean Chapter at their third regional conference held in Trinidad, March 2019 for being the Inaugural President for MMIRA-CC, and for leading the development of the Mixed Methods Research movement which provided the foundation for the Regional Mixed Methods Chapter.
- **Dr. Lois George** was the recipient of the Jacobs Foundation Travel Award from The Jacobs Foundation, in collaboration with the *European Association for Research on Learning and Instruction* (EARLI) Executive Committee (EC). Dr. George's award of 1570 euros is for the purpose of attending and presenting two papers at the EARLI conference in Germany from Aug 11–16, 2019.
- **Dr. Zoyah Kinkead-Clark** is the recipient of the Principal's Award for the category: Research Project Attracting the Most Funds for the 2018/2019 academic year for the Faculty of Humanities and Education.
- **Dr. Aisha Spencer** is the 2018 Recipient for the Guardian Life/UWI Premium Teaching Award
- **Dr Saran Stewart** received the award for Educator of the Year from The University Council of Jamaica – Joint Committee for Tertiary Education for the year 2018.
- **Dr Saran Stewart:** The National Association for Research in Science Teaching (NARST) in Canada has honored Dr Stewart as a recipient of the 2019 Linking Science Educators Program (LSEP) grant for her project entitled "Integrative STEM Colloquium: Advancing STEM Education reform in Jamaica". NARST is a Worldwide Organization for Improving Science Teaching and Learning Through Research Since 1928.
- **Dr Canute Thompson** received the award for Best Research Publication 2019 at The UWI Research Days 2019.

## FELLOWSHIP

Dr. Saran Stewart was invited to be a Fellow of the Salzburg Global Seminar in December 2018 in Salzburg, Austria. *Session 603: Social and Emotional Learning: A Global Synthesis, Salzburg Austria.*

## COMMUNITY OUTREACH

### The Joint Board of Teacher Education (JBTE)

The JBTE hosted a team of Officers from the Ministry of Education, Belize headed by the Chief Education Officer to discuss the development of a comprehensive plan for the improvement of literacy from pre-school to post-secondary in Belize. They visited basic, primary and high schools in Jamaica to observe best practices, and had a round table discussion with the Officers from the Curriculum Unit of the Ministry of Education, Youth and Information on literacy initiatives by the Ministry.

Vetting of test papers successfully completed at Church and Shortwood Teachers' Colleges in preparation for final examinations. Lecturers representing the 8 colleges associated with the JBTE concluded the exercise attended by the Manager of the JBTE.

### The School of Education Workplace Wellness Initiative

The initiative was launched on Thursday, September 13, 2018, in collaboration with the Ministry of Health and Jamaica Moves. The initiative featured lunchtime yoga, exercise sessions, monthly lunch and learn sessions, personalized health risk assessment, research and focus groups and a wellness newsletter.

## PUBLICATIONS UNIT

The Publications Unit of the School of Education has been working on the digitizing of legacy volumes of both journals. These have been scanned and uploaded to the Publications Unit website. The SOE received a letter from the principal of The UWI Mona Campus with commendations for the high standard of quality of the SOE journals, *Caribbean Journal of Education* (CJE) and the *Journal of Education and Development in the Caribbean* (JEDIC).

# INSTITUTE OF CARIBBEAN STUDIES & REGGAE STUDIES UNIT

Dr. Sonjah Stanley Niaah, B.A., Ph.D. *UWI* – Director & Senior Lecturer, Cultural Studies



## WORK OF THE DEPARTMENT

The Institute of Caribbean Studies (ICS) is a growth pole in the Faculty of Humanities and Education (FHE) and home to the expanding areas of Cultural Studies and Applied Cultural Studies within the University. It remains home to the Reggae Studies Unit (RSU) whose main objective is that of expanding Reggae Studies and the study of Jamaican music at home and abroad, more generally. Despite the challenges that we experience with the shortage of full time staff at both the administrative and academic levels, the ICS continues to expand and as such commenced offering of the Cultural and Creative Industries undergraduate programme which was transferred from the Dean's Office in 2018/2019. We will also commence the offering of an additional undergraduate programme in Music and Performance Studies in 2019/2020.

On behalf of the ICS staff, I would like to thank the Dean, FHE, Professor Waibinte Wariboko and the Faculty more broadly, for continued support to the Department which resulted in its relocation from the old Faculty Conference Room to the east end of the 2nd floor of the New Arts Block, formerly classrooms 55 & 56. The ICS hosted an Open Day event on May 7, 2019 on the anniversary of its establishment in celebration of this move. The celebration was attended by faculty and students within the FHE fraternity and highlighted achievements over 32 years of existence featuring presentations, poetry, and performance.

The objectives of the ICS/RSU remain the following:

- To promote the study of Caribbean popular and creative culture,
- To broaden students' knowledge and understanding of the Caribbean region,
- To train students in the management of the entertainment and cultural industries,
- To foster students' intellectual development by encouraging critical analysis and independent thought, and
- To engage with the wider community through various outreach activities.

Our mission is encapsulated in the statement below:

“We produce the grounded researcher and professional, rooted in the discipline of cultural studies, with emphasis on subfields of Rastafari Studies; Applied Cultural Studies; Film Studies; Music Studies; Reggae Studies; Cultural & Creative industries; & Entertainment Policy and Management”.

The mission of the ICS has been buttressed by team-, student- and Faculty-centred approaches in managing the weight of a meagre staff complement, specifically unsustainable part-time support in spite of which we maintained formidable contribution to the Faculty’s advancement and rebranding, as well as initiating some ambitious objectives aligned with the UWI’s strategic plan.

The successes of the Department over the period under review are summarised below. They feature a significant increase in local and international collaboration over the period under review:

- Commencement of the Cultural and Creative Industries major in the AY 2018/2019;
- Improvement of the ICS’ outreach, research agenda, international networks and profile through partnerships and active fundraising consolidated under the following initiatives:
  - The launch of a Jamaican music archive in conjunction with Birmingham City University on February 16, 2019, which will see partnership with the Jamaican Music Museum;
  - Co-hosting of two (2) conferences on Reggae Innovation with Birmingham City University; the first was held April 3–4, 2018 at Birmingham City University, and the other took shape as the 6th Global Reggae Conference during the period February 13–16, 2019;
  - Expansion of the Arts and Humanities Research Council-, and British Academy-funded ‘Caribbean In/Securities’, ‘Crime and Representation’ and ‘Representations of Jamaican Organised Crime’ Projects (UK/Caribbean) with participation in four events in Jamaica, Trinidad, and the Netherlands;
  - Successful bid for the joint European Union project on ‘Access to Justice’ with partners at the Centre for Leadership and Governance and the Institute for Gender and Development Studies, UWI, November 2018;
  - Continued coordination of the Prison-to-College Pipeline Jamaica project for which a second European Union concept proposal on Human Rights was submitted involving a cross-faculty team. The team included the Faculty of Medical Sciences, UWIHar, and the Faculty of Law, May 2019;
  - Completion of two Erasmus collaboration applications with Birmingham City University, and another pending with Nicolai Copernicus University, Poland;
  - Agreement to stage a series of five international summer school sessions



facilitated under an MOU between the UWI and University of Leicester (UoL);

- Hosting of the 15th conference of the Small Island Cultures Research Initiative under the theme 'Island Festivals/Island Cultures' in collaboration with the Sydney Institute of Music, Australia, July 2019;
- Successful staging of signature and many collaborative events including two (2) international conferences on Beyond Homophobia which began in 2017, followed by the January 2019 staging in collaboration with the Department of Sociology, Psychology and Social Work, and the Faculty of Law;
- Successful coordination of the process for response to Quality Assurance Review (2015) and initiation of strategic planning for the renaming and reclassification of the ICS / RSU in keeping with UWI guidelines, following the presentations to the Faculty and Academic Boards;
- Assignment of coordinators to key areas of academic and administrative focus;
- Introduction and / or initiation of courses and programmes including the law concentration within the Cultural and Creative Industries major, as well as courses in film studies, music, sport and accounting for the humanities;
- Re-vitalisation of annual staff & graduate student retreats and writing workshops to encourage staff development and graduate throughput;
- Maintenance of an agenda for staff recruitment to expand the qualified Ph.D. cohort, now numbering 9 Ph.D.s from previous 5 to reduce dependence on less qualified part-time staff.

## **VISITORS TO THE ICS**

Professors Honor Ford-Smith, York University, and Diane Austin-Broos, Professor Emerita, Department of Anthropology, University of Sydney were visiting scholars with the ICS during Semester II, AY 2018/19.

## **COLLABORATIONS**

### **1. UWI/University of Leicester International Summer School**

The UWI, through the Office of Global Affairs signed an MOU with the University of Leicester and in 2019 launched an International Summer School under the theme 'Global Health and Environments'. The second staging will be hosted at The University of the West Indies, Mona Campus in June 2020 under the theme 'Cultures and Politics of Protest'. The initiative is led by an FHE coordinating team consisting of Drs. Stanley Niaah and Michael Bucknor.

The Summer School is an annual, week-long intensive programme with emphasis on both academic and professional development. Over a five-year period, the International Summer School will focus on a number of interdisciplinary themes and is aimed at postgraduate students and early career researchers from the Caribbean and the UK with an interest in global studies. Persons with a background in any discipline across the arts, humanities and social sciences are encouraged to apply.

## **2. UWI/Universidad de los Andes Collaboration on Global Comparative Cultural Studies**

Following an invitation to Dr. Sonjah Stanley Niaah in 2017 to be a visiting lecturer in Caribbean popular and creative culture at the Universidad de los Andes (UniAndes), the way was paved for greater collaboration and the UWI has now signed an agreement on strategic alliance for hemispheric development with UniAndes in Bogotá, Colombia. The agreement covers areas for cooperation in Medicine, Natural Products and, Global Comparative Cultural Studies which will guide the ICS' collaboration. It has been agreed that the UWI-wide M.A. Cultural Studies will be expanded to include a concentration in Global Comparative Cultural Studies which will become available to students at both institutions. The course development process is ongoing and completion is slated for January 2020.

## **STAFF MATTERS**

Ms. Camelia Campbell, Senior Administrative Assistant, was transferred to the Office of the Principal on August 20, 2018. There were temporary staff replacements to fill the capacity on a 3-month basis as follows:

- Mrs. Sharon Grant
- Ms. Janine Hyatt

The Senior Administrative Assistant post was advertised by the Human Resource Management Division of the UWI. The shortlisted candidates were required to sit a psychometric test and participate in a face-to-face interview. Mrs. Bettene Ross-Lawes was selected to fill the vacant position of Senior Administrative Assistant in the Department and assumed duties on March 11, 2019.

The ICS is seeking to establish a senior secretary position within the department considering the number of students served by the ICS at both the graduate and undergraduate levels, as well as the full slate of departmental activities in any given academic year. A letter was submitted to the Director of the Human Resource Management Division through the Dean of the Faculty of Humanities and Education. The creation of this position would provide for improved structure and alignment with Human Resource principles of employee engagement.

The ICS welcomed three new Adjunct Lecturers to assume teaching for Semester II, AY 2018/2019 in the following courses:

Dr. Katie Dieter	CLTR3501	Discourses in Cultural Studies
Ms. Karen Madden	CLTR2519	Deconstructing the Culture of Sport
Ms. Stascia Gordon	CLTR2007	Accounting for the Humanities II

The ICS is severely under-staffed, traditionally sustained by temporary PT staff at both the academic and administrative levels. Currently there are nine (9) FT academic and one (1) FT administrative staff members employed to the department. The ICS is now in need of two FT posts to support the Cultural and Creative Industries major as well as the pending Music and Performance Studies major.

### **Appointments and Recognition**

Dr. Hickling Gordon was selected to participate as one of 30 high level international experts from 24 countries in the EU-funded - “Strengthening the System of Governance for Culture in Developing Countries” UNESCO project. Dr. Hickling Gordon has been appointed for the period 2019–2022 and she is expected to participate in a number of capacity building initiatives in the developing world across a range of fields including cultural policy, governance, as well as capacity building in cultural and creative industries. Specifically, the Expert Facility is expected to deliver country-level assistance in different thematic areas of the Convention on the Diversity of Cultural Expressions and through different modalities such as workshops, advisory technical assistance, short and long-term capacity-building interventions, mentoring and coaching, among others. Dr. Hickling Gordon attended the inaugural meeting of the UNESCO Experts Facility (2019–22), Bangkok, Thailand – February 12–14, 2019. <https://en.unesco.org/creativity/capacity-building/experts/u/38577>.

Dr. Sonjah Stanley Niaah was appointed to the Editorial Boards of the following international journals published by Taylor and Francis:

1. *Communication and Critical/Cultural Studies*
2. *Critical Arts: South-North Media and Cultural Studies*.

### **ICS STAFF/POSTGRADUATE SEMINAR SERIES**

As Coordinator for the ICS Staff/Postgraduate Seminar Series, Dr. Gosse organised an interesting slate of presentations spanning a range of topics. The table below captures presentations made by staff, students and visitors to the ICS during the academic year:

Date	Presenter & Affiliation	Title
September 20, 2018	Dr. Sonjah Stanley Niaah	"The Mind of an Academic: Understanding Yourself as a Researcher"
October 4, 2018	Dr. Raymond Hitchins	"Vibe Merchants: The Sound Creators of Jamaican Popular Music?"
October 11, 2018	Dr. Dave Gosse	"Finding My Voice in the Writing of Abolition & Plantation Management in Jamaica 1807-1838"
October 18, 2018	Mr. Ainsley Cohen Henriques	"Critical Issues in Managing Heritage Sites in Jamaica"
October 25, 2018	Prof. Maureen Warner Lewis	"The Writing Process"
November 1, 2018	Dr. Taka Oshikiri	"Selling Tea as Japanese History"
November 8, 2018	Ms. Paula Daley	"Tales of Cultural Identity in the Colonized Space"
	Mr. Debon Panton	"Mapping West African Spiritual Traditions through Afro-Jamaican Spiritual Practices in the 21st Century"
November 15, 2018	Ms. Isabel Dennis	"Learning to Live in the 21st Century Caribbean"
November 22, 2018	Mr. Hugh Douse	"Trying the Two-foot Dance: Of Gods, Jamaicans and Stan Lee"
November 29, 2018	Ms. Kai-Yaneeke Tapper	"Homogenization of Sound in Jamaican Popular Music"
	Miss Rachael Barrett	"One One Cocoa: Building a Stable Visual Arts Market in the Caribbean Creative Economy"

Date	Presenter & Affiliation	Title
December 6, 2018	Mr. E. Wayne McDonald	“Staging Diasporic Exile: Negotiating Notions of Heritage, Place and Identify in the Work of Steve Carter and other Caribbean American Playwrights”
March 14, 2019	Prof. Verene Shepherd	“Writing as a Lifestyle”
March 21, 2019	Dr. Deborah Hickling-Gordon	“Changing Gears: Cultural Policy Trends Twenty Years Post DCMS - Caribbean Consequences”
March 28, 2018	Dr. Honor Ford-Smith	“Against Violence: Memory, Performance and Entanglement”
April 11, 2019	Ms. Shantal Cover	“Managing Cultural Heritage in 21st Century Jamaica”
	Mr. Joseph Millwood	“Dancehall in Church Hall – The Reggae Gospel Revolution”
	Mr. Kirt Henry	“Performative Assemblage: A Mapping of Revival Dress Meanings in Postcolonial Jamaica”
April 25, 2019	Mr. Hugh Douse	“The Wind and the Waves: On Jamaican National Identify”
May 2, 2019	Mr. Kirt Henry (Upgrade Seminar)	“Performative Assemblage: A Mapping of Revival Dress Meanings in Postcolonial Jamaica”

### CONFERENCES/SEMINARS/WORKSHOPS:

The Annual Walter Rodney Lecture in commemoration of the 50th anniversary of the Rodney Rebellion in 1968 in Kingston, Jamaica was held on October 17, 2018 in Rm. N1. The Lecture entitled “Roadblock on Hope Road: The End of Imagination and Capital’s Late Afternoon” was delivered by Professor Brian Meeks, Chair, African Studies, Brown University.

The ICS in collaboration with the United Nations Development Programme (UNDP), Faculty of Law, Department of Sociology, Psychology and Social Work, among others hosted “Beyond Homophobia II: Navigating the State”, the second in a series of conferences in furtherance of strategic engagements on diversity and inclusion, January 25 and 26, 2019.

The ICS' 6th Biennial Global Reggae Conference was staged in partnership with Birmingham City University during the period February 13–16, 2019. The 22nd Annual Bob Marley Lecture was delivered by Dr. Les Johnson from Birmingham City University and who is also a Visiting Scholar at the UWI, on Friday, February 15 under the theme of “Reggae Futurism.”

The 15th International Small Island Cultures Research Initiative (SICRI) Conference was held, July 9–13, 2019 under the theme ‘Island Festivals, Music Tourism’ (in Association with Society for the Study of Island Cultures and Sydney Institute of Music and Sound Research).

The Annual Stuart Hall Distinguished Lecture gave way to the ICS Open Day on the anniversary of its establishment and the decision was made to host the lecture on a biennial basis with ICS Open Days being staged in alternate years.

## PAPERS PRESENTED

- **Dr. Dave Gosse**, “Race and Missionary Culture in the Church of God in Jamaica, 1918–1960s” paper presented at the Society for Caribbean Studies Conference, UK, July 4–6, 2018.
- **Dr. Candia Mitchell-Hall**, “Dred in a PRA”: Reggae, Rastafari and Revolution in Grenada, paper presented at the 6th Biennial, Global Reggae Conference, UWI, 15 February 2019.

**Dr. Nicole Plummer** delivered the following presentations during the period:

- “If you don’t make money, then you don’t make sense”: Representing Wealth in Popular Jamaican Music, paper presented at the 6th Biennial, Global Reggae Conference, UWI, February 14, 2019 (with Erin MacLeod).
- “Teaching Cultural Studies Using Stories – An Assessment on Methodology”, 43rd Annual Conference, Caribbean Studies Association (CSA), *Education, Culture and Emancipatory thought in the Caribbean*, Havana, Cuba, June 5.
- “Keep d’ Fire Blazin’: Rastafari Coral Gardens Benevolent Society & Activism through Education”, 43rd Annual Conference, Caribbean Studies Association (CSA), *Education, Culture and Emancipatory thought in the Caribbean*, Havana, Cuba, June 5.
- “Pan- Africanism: Marcus Garvey and the Music of Bob Marley”, presentation to students from the University of Cincinnati, May 2.
- “Jamaica – Its People and Culture: An Overview”, Presentation to students and visiting faculty from the University of Michigan – Flint, July 17.

**Dr. Sonjah Stanley Niaah** made the following presentations:

- ‘Between ‘Incarcerated’ Desires and Social Transformation: Tupac Shakur and Vybz Kartel, paper presented at the International Crossroads in Cultural Studies Conference, Shanghai University, August 11–16, 2018.
- ‘Representing ‘Incarcerated’ Desires and Organised Crime: Tupac Shakur and Vybz Kartel in the Shadow of Social Transformation’, paper presented at the UK Arts and Humanities Research Council Research Network funded project ‘Dons, Yardies and Posses: Representations of Jamaican Organised Crime’ Workshop 2 under the theme ‘Spatial Imaginaries of Jamaican Organised Crime’, University of Amsterdam, June 11–12, 2018.
- “‘Prime Time’ Geographies: Revisiting Dancehall Performance, Visual Communication and the Philosophy of ‘Boundarylessness’, paper delivered at the Annual Cities Imaginaries Lecture, Urban Lab, University College London, May 16, 2019.
- ‘Sound and the Politics of Citizenship: A Caribbean Cultural Studies Perspective’, special academic presentation on the occasion of the signing of agreement between UWI and Universidad de los Andes on strategic alliance for hemispheric development, Universidad de los Andes, Bogotá, April 10–11, 2019.
- ‘Sounding Out the System: Noise, and the Politics of Citizenship’, keynote presentation at the 5th Sound System Outernational Conference, Naples, Italy, April 4–6, 2019.
- **Dr. Lisa Tomlinson**, ‘A Jus reality: Dancehall Culture and Elements of Black Power’, paper presented at the “Black Power: Movements, Cultures, and Resistance in the Black Americas” Conference, Bielfeld University Germany – October 17–19, 2018.

## PUBLICATIONS

- 2018 – **Hope**, Donna P. (ed.). *Reggae Stories: Jamaican Musical Legends and Cultural Legacies*. Kingston: UWI Press.
- 2019 – **Stanley Niaah**, S. (Guest editor). Of Sacred Crossroads: Cultural Studies and the Sacred, Special Issue, *Open Cultural Studies*, Vol 2, No. 1.
- 2019 – **Stanley Niaah**, S., ‘Call the Contractor’!: Humour, Innovation and Competition in Jamaican Music, in Kitts, Thomas and Baxter, Nicolas (eds.) *Routledge Companion to Popular Music and Humour*, Chapter 13 (May), 6000 words.
- 2019 – **Stanley Niaah**, S., ‘Prime Time’ Geographies: Dancehall Performance, Visual Communication and the Philosophy of ‘Boundarylessness’ in *Caribbean Quarterly* 65:1, March 2019, pp. 5–26); longer version published in Banjo, Omotayo, *African Diasporic Media: Content, Consumers, and Global Influence*, UK: Routledge, 2018, pp. 223–49



- 2018 – **Stanley Niaah**, S., ‘Can Jamaica Put Music First?’ *Caribbean Quarterly* Vol. 64: 2, pp. 330–347, June <https://doi.org/10.1080/00086495.2018.1480319>
- 2019 – **Tomlinson**, L., “Revisiting Richard Wright’s Native Son Literary Protest”. In *Critical Insights: Richard Wright*, ed. Kimberly Drake, New York: Grey House Press, pp. 90–105.

## INCOME GENERATION

The ICS in collaboration with the Department of Sociology, Psychology and Social Work secured UNDP funds for the staging of ‘Beyond Homophobia II: Navigating the State’ conference in the amount of US\$20,000.

The following courses offered during Summer School 2019 brought income of JA \$4,269,111.67 from student registration:

- CLTR1007 – Accounting for the Humanities I
- CLTR2518 – The Culture of Rastafari
- CLTR3905 – Caribbean Fashion: Theory, Development and Industry
- FOUN1101 – Caribbean Civilization
- MUSC3300 – Bob Marley and His Music

## OUTREACH AND PUBLIC SERVICE

### Dr. Dave Gosse

- Interviewee, ‘The cultural and economic links between Newfoundland, Canada and Jamaica from the 17th to the 20th Centuries’, March 22, 2019 (Documentary)
- Dr. Dave Gosse was appointed as the Chairman of the Ardenne High School Board of Management.

### Dr. Deborah Hickling Gordon

- Guest Keynote, “Creative Economy, Development and Wealth” presentation to the Rotary Club, New Kingston, March 19, 2019
- Speaker, Gleaner Editors Forum – Cultural Industries and the Animation Sector, March 22, 2019

### Professor Donna Hope

- Panellist, ‘Who Jump the Gun: Violence in Contemporary Jamaica’ at Rototom Sunsplash Reggae University, 25th Anniversary staging, Benicassim, Spain, August 17–21, 2018.
- Panellist, Jamaica Music Museum’s Grounation, ‘Dancehall Stardom’, Institute of Jamaica, Sunday, February 17, 2019. Delivered the 10th Annual Gender and

Development Lecture at the Edna Manley College of the Visual and Performing Arts, Thursday, March 18, 2019.

**Dr. Nicole Plummer**

- Interviewed by the Public Broadcasting Service (PBS) on the topic, Taste of History, “Chinese Influence on Jamaican Culinary Culture”, July 30, 2018.
- Nicole Plummer published the articles, “Humanities Matters: Relevance of Humanities in Today’s World”, *The Gleaner* September 23. <http://jamaica-gleaner.com/article/art-leisure/20180923/humanities-matters-relevance-humanities-todays-world>.

**Dr. Sonjah Stanley Niaah**

- Presenter, panel entitled ‘Is the Global Popularity of the Music Benefitting Jamaica?’, 2nd Annual Sumfest Symposium, Mona Visitor’s Lodge, UWI, July 12, 2019.
- Moderator/Presenter, ‘Representing/Inscribing Reggae’, African Caribbean Institute of Jamaica/Jamaica Memory Bank panel discussion on ‘One Drop: The Evolution of Reggae Music in Jamaica and Globally’, IOJ Lecture Hall, February 26, 2019.
- Presenter, panel on ‘Jamaican Music Evolution’, Kingston Creative Meet Up, F&B Downtown, Kingston, February 22, 2019.
- Team Member, Organising Team, Grounation Series under the title - ‘Dancehall: As Free as We Want To Be’, Institute of Jamaica; Presenter, ‘Dancehall Stardom: Crime, Justice, Punishment’, IOJ/Jamaica Music Museum Grounation in celebration of Reggae, and Black History Months, February 17, 2019.
- Panellist, ‘Production Something: The Current State of Reggae Music’, and ‘Who Jump the Gun: Violence in Contemporary Jamaica’ panel presentations at Rototom Sunsplash Reggae University, 25th Anniversary staging, Benicassim, Spain, August 17–21, 2018.

Selected interviews in the media:

- Specialist, ‘How Dancehall Queens Twerk for a Living’ in Style Out There series feature on dancehall, *Refinery 29* documentary, published on YouTube, April 6, 2019.
- Panellist, All Angles, Image in the Professional Sphere’, Television Jamaica, February 27, 2019.
- Specialist/Panellist, The Impact of Buju Banton’s Long Walk to Freedom Concert in Jamaica, Beyond the Headlines, RJR94FM, March 15, 2019 & Weekend Smile, Television Jamaica, March 16, 2019.
- Specialist, Dancehall and the Law, CVM Television, February 26, 2019.
- Specialist, The Legacy of Bob Marley, TVJ Prime Time News, February 8, 2019

- Specialist/Panellist, R. Kelly and the Ban on Music for Sex Offenders, Beyond the Headlines, RJR94FM, January 18, 2019.
- Specialist/Panellist, UNESCO's designation of Reggae as global treasure, Smile Jamaica, December 5, 2018.
- Specialist/Panellist, Spice's 'Black Hypocrisy', interviewed by the Washington Post, Nationwide News Fm, Smile Jamaica – TVJ, and Beyond the Headlines – RJR94Fm, October 24, 25 and 26, 2018.
- Specialist/Panellist, 'Rape and reporting', Beyond the Headlines, RJR94Fm, September 28, 2018.
- Specialist/Panellist, 'Is Jamaican Dancehall victim to cultural appropriation?' TVJ All Angles, August 1, 2018.

#### **Mr Fabian Thomas**

- Consultant and Team Leader for the Lionel Town Unattached Youth Cohort of Performers for Change (using performing arts and cultural studies as tools for capacity-building). This project is funded by the EU, being monitored by JSIF and implemented by WMW Jamaica. He has also been re-engaged as one of the lead facilitators for the Joan Duncan Foundation's Conversations for Greatness in partnership with the Ministry of Education.

#### **Dr. Lisa Tomlinson**

- Panel Chair, "Neglected Voices of the African Diaspora", International Conference on 'Black Power: Movements, Cultures, and Resistance in the Black Americas' – Bielfeld University Germany – October 17–19, 2018.
- Panellist, Jamaica Music Museum's Grounation, Institute of Jamaica, Sunday, February 10, 2019; Moderator, Jamaica Music Museum's Grounation, Sunday, February 17 2019.
- Panellist, CVM @ Sunrise, February 18, 2019.

#### **Mr Kirt Henry**

- The ICS was represented by Mr. Kirt Henry on the FHE Marketing and Outreach Team. The Team visited Wolmer's Girls' School. He assisted with spreading the word about the Institute of Caribbean Studies and its offerings.

### **STUDENT MATTERS**

The student numbers for the academic years 2015/2016 to 2018/2019 and projections for 2019/2020 are shown in Tables 1 & 2 below. With student numbers in the FHE fluctuating, a rigorous marketing strategy has been implemented to increase the student intake in the upcoming academic year by 25 percent.

Table 1 – Undergraduate Programmes

ACADEMIC YEAR	MAJORS AND MINORS	TOTAL
2015/2016	Entertainment and Cultural Enterprise Management (Major)	74
	Entertainment and Cultural Enterprise Management (Minor)	42
	Cultural Studies (Minor)	4
	Music (Minor) <sup>1</sup>	1
SUM TOTAL		120
2016/2017	Entertainment and Cultural Enterprise Management (Major)	89
	Entertainment and Cultural Enterprise Management (Minor)	45
	Cultural Studies (Minor)	1
	Music (Minor) <sup>2</sup>	1
SUM TOTAL		135
2017/2018	Cultural and Creative Industries (Major)	15
	Entertainment and Cultural Enterprise Management (Major)	111
	Entertainment and Cultural Enterprise Management (Minor)	56
	Reggae Studies (Minor) <sup>3</sup>	1
SUM TOTAL		182
2018/2019	Cultural and Creative Industries (Major)	25
	Cultural and Creative Industries (Minor) <sup>4</sup>	1
	Entertainment and Cultural Enterprise Management (Major)	121
	Entertainment and Cultural Enterprise Management (Minor)	47
	Reggae Studies (Minor) <sup>5</sup>	1
SUM TOTAL		193
2019/2020	Cultural and Creative Industries (Major)	27
	Cultural and Creative Industries (Minor)	1
	Entertainment and Cultural Enterprise Management (Major)	108
	Entertainment and Cultural Enterprise Management (Minor)	19
	Music and Performance Studies (Major)	12
SUM TOTAL		166

<sup>1</sup>This student is also pursuing a Major in ECEM and so has been counted once.<sup>2</sup>This student is also pursuing a Major in ECEM and so has been counted once.<sup>3</sup>Student is also pursuing a Major in ECEM and so has been counted once.<sup>4</sup>Student is also pursuing a Major in ECEM and so has been counted once.<sup>5</sup>Student is also pursuing a Major in ECEM and so has been counted once.<sup>6</sup>Student is also pursuing a Major in ECEM and so has been counted once.

Table 2 – Graduate Programmes

# OF REGISTERED STUDENTS – ICS (2016 TO 2019)	ACADEMIC YEARS				
Degree Type	2015/2016	2016/2017	2017/2018	2018/2019	2019/2020
MA Cultural Studies	10	16	13	11	5
MPhil Cultural Studies	5	10	12	11	7
PhD Cultural Studies	3	5	6	4	1
TOTAL	18	31	31	26	13

## AWARDS

The table below summarises the student awardees for ICS prizes to honour their academic achievements at the Faculty Awards service held in November 2018.

Table 3 – Student Awardees for ICS Prizes

PRIZE	CRITERIA	VALUE	RECIPIENT
Entertainment and Cultural Enterprise Management Prize	The most outstanding academic performance in Entertainment and Cultural Enterprise Management	20,000.00	Ms. Oneika Young
Stuart Hall Prize in Cultural Studies	The most outstanding academic performance in Cultural Studies	\$10,000.00	Ms. Sashauna Williams
Institute of Caribbean Studies & Reggae Studies Unit's Graduate Prize	The most outstanding academic performance in ICS graduate courses	\$10,000.00	Ms. Paula Daley
Caribbean Civilisation Prize	The most outstanding academic performance in Caribbean Civilisation	\$5,000.00	Ms. Shannel D. Rodney





# FACULTY OF LAW

## Mona

Year ending July 31, 2019



**DR. SHAZEEDA ALI, LL.B. (Hons) (UWI), LL.M.  
(Cantab), Ph.D. (Lond)**

**DEAN**



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# *Dean's Overview*

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## **WORK OF THE DEPARTMENT**

**D**r. Shazeeda Ali began her tenure as Acting Dean of the Faculty of Law at Mona as the then Dean, Dr Leighton Jackson proceeded on sabbatical leave for the 2018-2019 academic year. Under her leadership, the Faculty continued to enrich the students' experience, provide continuing legal education activities and to impact the wider society through numerous outreach initiatives.

The Faculty graduated its second batch of students from the Master of Laws (LLM) programme. Three students completed the requirements for the LLM, two of whom completed with distinction. The Faculty also graduated 142 undergraduate students, 8 of whom were awarded the LLB with First Class Honours.

The Faculty prepared five teams to participate in international and regional mooted competitions. This initiative was introduced under the leadership of the first Dean of the Faculty (Dr Derrick McKoy) and has continued. This opportunity allows for greater exposure and development of the team members and wider recognition for the University.

The Faculty hosted its Fifth Annual Weekend Symposium on Law, Governance and Society under the theme 'The Triple "R" Strategy: Rights, Remedies and Reputation' from June 28–30, 2019 at the Meliá Braco Village, Trelawny. The symposium featured speakers from Ecuador, Barbados, Trinidad and Tobago and Jamaica. The presenters included a Faculty of Law postgraduate student, members of academia, the judiciary and others in the legal fraternity. The keynote speaker was Ms. Paula Llewellyn, Director of Public Prosecutions (DPP), Jamaica.

February 21–22, 2019, the Faculty jointly hosted a conference under the theme "Challenging Fundamentalisms? Ideology, Public Policy, Law and Gender Equality". Partnered institutions were Oxford Human Rights Hub, Oxford University, United Kingdom; Getulio Vargas Foundation School of Law, Sao Paulo, Brazil; School of Law, University of the Witwatersrand, South Africa and Universidad de Los Andes, Colombia.

Ms Tenesha Myrie, MonaLaw Lecturer, successfully organized a public lecture on

“Brexit, Trade and Workers’ Rights” on February 21, 2019. The lecture was delivered by Professor Sandra Fredman from Oxford University.

On December 10, 2018, the MonaLaw Human Rights Symposium was organized jointly by the human rights teachers at the Faculty (Dr. Ramona Biholar, Ms. Gabrielle Elliott Williams, Ms. Tenesha Myrie and Ms. Tracy Robinson) to mark the 70th anniversary of the Universal Declaration of Human Rights, the 50th anniversary of the establishment of the Independent Jamaica Council for Human Rights, and the near 100th anniversary of the Declaration on the Rights of Negro Peoples in collaboration with the Jamaica Human Rights Network comprised of approximately 10 human rights organizations and individuals.

Approximately 150 students from high schools in Kingston, St. Catherine and St. Thomas attended the event which included the participation of the MonaLaw Human Rights teachers and experts from the fields of Law, History, Political Sciences, Geography and Education, including the President of the CCJ, Adrian Saunders; Garvey Scholar, Professor Rupert Lewis; former member of the CEDAW Committee, Professor Barbara Bailey; Criminologist and SALISES Fellow, Dr Corin Bailey; Senior Researcher at the Danish Institute for Human Rights, Dr. Steven Jensen; and Executive Director for Jamaicans for Justice, Rodje Malcolm.

An initiative by the Cave Hill Campus has led to an MOU between the UWI and The University of Leuphana, Germany. This MOU will provide for a double LLM degree being offered by the 2 institutions so that students will spend approximately 1 year at each University and earn 2 LLM degrees. Cave Hill Campus undertook the initiative to receive the necessary approvals but the programme will be offered and delivered at all 3 UWI Campuses.

In March 2019, as part of teaching in the Faculty’s core public law courses, Constitutional Law and Commonwealth Caribbean Human Rights Law, the MonaLaw Debate on Savings Law Clauses was held on the motion: “Be it resolved the approach of the Caribbean Court of Justice to general savings law clauses in Caribbean constitutions is not interpretation but divination.” This event was distinguished by its high quality, the many levels of student participation in its organisation and delivery and the participation of almost all teachers in the two courses as organisers or judges.

On March 26, 2019 the Faculty hosted a Career Forum geared towards increasing students’ awareness about the various career paths available after the LLB degree. This was done in the form of a panel discussion with persons from various professions, some of which required the Legal Education Certificate (LEC) and others that did not.

The Faculty continued to work closely with the executive body of the Mona Law Society (Law Faculty students’ association) to effect changes in the best interest of the

students and to ensure the best opportunity is created to produce a well-rounded graduate. From this partnership, a mentorship programme was re-energized; funds were raised for a needy students fund through various initiatives such as an OpenEar Concert, the hosting of a drama production by Mr and Ms Law 2018 and other activities.

Tracy Robinson, Senior Lecturer in the Faculty, received the 2019 Prominent Women in International Law Award from the American Society of International Law (ASIL). This Award honors those who have advanced women, gender, and women's rights in international law.

A book published by Dr Shazeeda Ali, *The Ethical Lawyer: A Caribbean Perspective* was featured as a part of the UWI 70th Anniversary Celebration of Books, October 2018.

The Faculty of Law Project – UWI Rights Advocacy Project (URAP) – was successful in the case of *McEwan v Attorney General of Guyana* before Guyana's highest court of appeal, CCJ on November 12, 2018, concluding nearly a decade of strategic litigation work initiated by U-RAP with civil society in Guyana, on the constitutionality of a post-slavery vagrancy law that was used to criminalize transgender persons. In response to the ruling, the Prime Minister of Guyana said the government would respect this important decision and the Minister of Social Protection and Social Cohesion said the ruling, "is one step forward in an appreciation of the fact that society has differences." URAP is administered by colleagues across the three Campuses. The lead administrator at MonaLaw is Tracy Robinson.

In May 2019, URAP was invited by the Eastern Caribbean Supreme Court to conduct judicial training to the judiciary of that region on issues of equality and inclusion. More than 70 judicial officers participated. Subsequent to the training session, URAP through MonaLaw, published a booklet *"Securing Equality for all in the Administration of Justice"*. This is being used as a guide by the judiciary in the Eastern Caribbean and Guyana.

The Faculty hosted the following distinguished visitors during the 2018–2019 academic year: Mr B. St. Michael Hylton OJ, QC; Mr Dave Garcia, General Counsel, National Commercial Bank (NCB); Hon. Mr. Justice Adrian Saunders, President of the Caribbean Court of Justice; Professor Danielle Holley-Walker, Dean of Howard Law School, Assistant Professor Sha-Shana Crichton, Howard Law School, Mr Reginald McGahee, Associate Dean for Admissions, Howard Law School and others.

## PAPERS PRESENTED

- Ali, S., "Credit Unions: Common Bond and Common AML Risk", Jamaica Police Co-operative Credit Union Limited, AML Training Workshop, Kingston, JAMAICA, November 7, 2018.

- **Ali, S.**, “To Cheat or Not to Cheat: 2018 Edition” Jamaican Bar Association Weekend Conference, Rose Hall, JAMAICA, November 16, 2018 (encore presentation January 2019).
- **Ali, S.**, “POCA and the Free Movement of Money” Caribbean Court of Justice (CCJ) Academy for Law/General Legal Council 5th Biennial Conference on the Future of Legal Practice in the Caribbean: Catalyst for Regional Success? Kingston, JAMAICA, December 13, 2018.
- **Biholar, R.**, “Demanding Accountability: reparations for slavery and the right to development nexus” Paper presented at the Caribbean Studies Association (CSA) 44th Annual Conference ‘The Caribbean in times of Tempest. Ethnicities, Territorial Resistances and Epistemic Poetics’, Santa Marta, Colombia, June 3–7, 2019.
- **Biholar, R.**, “Exploring the transformative potential of culture: social and cultural transformation for gender equality”. Paper presented at the International Conference ‘Challenging Fundamentalisms? Ideology, Public Policy, Law and Gender Equality’ organized by Oxford Human Rights Hub, Oxford University, MonaLaw the University of the West Indies, Getulio Vargas Foundation School of Law, Brazil, School of Law, University of the Witwatersrand and Universidad de Los Andes, and hosted by Faculty of Law, UWI Mona, Jamaica, February 20–21, 2019.
- **Biholar, R.**, ‘Exploring Gender: From CEDAW to Beijing & SDGs’ Presentation at UNWOMEN & OHCHR Workshop on CEDAW, Beijing+25 and National Action Plan, Roseau, Dominica, April 15–16, 2019.
- **Biholar, R.**, ‘It all started from data...: Data Collection under CEDAW and Beijing +25’, Presentation at UNWOMEN & OHCHR Workshop on CEDAW, Beijing+25 and National Action Plan, Roseau, Dominica, April 15–16, 2019.
- **Biholar, R.**, ‘The gender dimension of discrimination’, Presentation at UN OHCHR and Antigua & Barbuda Directorate of Gender Affairs Workshop on “The Application of CEDAW in Antigua & Barbuda”, Antigua & Barbuda, September 3–7, 2018.
- **Biholar, R.**, ‘Women’s Rights are Human Rights’, Presentation at UN OHCHR and Antigua & Barbuda Directorate of Gender Affairs Workshop on “The Application of CEDAW in Antigua & Barbuda”, Antigua & Barbuda, September 3–7, 2018.
- **Biholar, R.**, ‘CEDAW Procedural Matters’, Presentation at UN OHCHR and Antigua & Barbuda Directorate of Gender Affairs Workshop on “The Application of CEDAW in Antigua & Barbuda”, Antigua & Barbuda, September 3–7, 2018.
- **Biholar, R.**, ‘The principles of non-discrimination and equality under international human rights treaties’, Presentation at UN OHCHR International Human Rights

- Reporting Standards and Mechanisms Workshop for the Rastafari community and CSOs, Alhambra Inn, Kingston, Jamaica, October 29–30, 2018.
- **Biholar, R.**, ‘Rastafari Rights under the Covenant on Economic, Social and Cultural Rights’, Presentation at UN OHCHR International Human Rights Reporting Standards and Mechanisms Workshop for the Rastafari community and CSOs, Alhambra Inn, Kingston, Jamaica, October 29–30, 2018.
  - **Brown-Blake, C.**, “Language and Access to Justice”. Paper presented at the Eastern Caribbean Supreme Court Judicial Conference, One Day Session, “Equality for All in the Administration of Justice: With a Special Focus on the Impact of Discrimination, Vulnerability and Social Exclusion on Access to Justice”, May 28, 2019, St. Kitts and Nevis.
  - **Cameron, R.**, ‘*Children’s Rights: Consent to Medical Treatment*,’ Public Lecture, Jamaica Consulate, Miami, Fla, USA, July 17, 2019.
  - **Cameron, R.**, ‘*Children to Be Seen and Not Heard: A Thing of the Past?*’ East Jamaica Conference, Lucea, Jamaica, October 26–28, 2018.
  - **Cameron, R.**, ‘*A Response to the Hague Convention on Maintenance and Child Support*,’ Hague Conference on Private International Law, Caribbean Meeting on Child Protection, Kingston, Jamaica, October 18–19, 2018.
  - **Cameron, R.**, ‘*Response to the Hague Convention on Intercountry Adoption*,’ Hague Conference on Private International Law, Caribbean Meeting on Child Protection, Kingston, Jamaica, October 18–19, 2018.
  - **Corthésy, N.**, “Brand New IP: ‘Country Name Designation’ – From France with Love” The International Association for the Advancement of Teaching and Research in Intellectual Property, Vanderbilt University, Nashville, USA. August 2019.
  - **Corthésy, N.**, “# Country Names Matter”, The UWI Mona, Faculty of Law 5th Annual Weekend Symposium on Law, Governance and Society, Jamaica, June 29, 2019.
  - **Corthésy, N.**, “IP Protection of Country Names – No Man’s Land, No Man’s Brand”, WIPO, Geneva, Switzerland, First Intellectual Property Researchers Conference Europe The World Intellectual Property Organization (WIPO), in collaboration with the School of Law of the World Trade Organization (WTO), and the University of Geneva (UNIGE), June 2019.
  - **Daley McClure, D.**, “Role of Intellectual Property Protection in Jamaica’s transformation; From Crown Colony to Middle-Age Independent”, Legal History and Empires: Perspectives from the Colonized Conference, Faculty of Law | Cave Hill Campus Barbados, UWI, July 13, 2018.

- **Elliott-Williams, G.**, 'One Court, Two Jurisdictions: A Comparative Assessment of the Caribbean Court of Justice's Functioning Across Both Jurisdictions', Law and Society Association Conference, Washington D.C., May 2019.
- **Elliott-Williams, G.**, 'Defamation Law as the Enforcement of Morals', MonaLaw 5th Annual Symposium on Law, Governance and Society, June 2019.
- **Elliott-Williams, G.**, 'One Court, Two Jurisdictions: A Comparative Assessment of the Caribbean Court of Justice's Approach to Human Rights When it is an Appellate Court and When it is an International Tribunal', MonaLaw Faculty Workshop Series, July 2019.
- **Goffe, M.**, 'The Right to Spiritual and Cultural Damages to Redress Injustice to Indigenous Peoples', 11th Annual International Charles Town Maroon Conference and Festival, Charles Town, Portland, Jamaica, June 2019.
- **Ffolkes-Goldson, S.**, "Governance of Public Sector Bodies", North Eastern Regional Health Authority Annual Conference, July 2019.
- **Ffolkes-Goldson, S.**, "Duties of Directors in Mergers and Acquisitions : Conflicts of Interest", Faculty of Law 5th Annual Symposium on Law, Governance and Society, Melia Braco Village, Jamaica, June 2019.
- **Ffolkes-Goldson, S.**, "Corporate Governance Code of Ethics and Whistleblowing Policy", Jamaica Broilers Group, March 2019.
- **Ffolkes-Goldson, S.**, "Strengthening Governance in Public Sector Companies: Beyond Petrojam", Faculty of Law, Mona, Research Days 2019 Signature Event, February 2019.
- **Ffolkes-Goldson, S.**, "Governance of Public Sector Companies and Agencies", Jamaica Mortgage Bank, November 2018.
- **Ffolkes-Goldson, S.**, "Barbados Stock Exchange Corporate Governance Recommendations", Barbados Stock Exchange Corporate Governance and Accountability Conference, Bridgetown, Barbados, September 2018.
- **Ffolkes-Goldson, S.**, "Corporate Ethics", Mayberry Investments Ltd., August 2018.
- **Malcolm, C.**, "Banking on Ganja: Implications for the Banking Sector", Santo Domingo, Dominican Republic", Caribbean Association of Banks, Annual Meeting and Conference, November 17, 2018.
- **Malcolm, C.**, "De-risking to a Fault: After Oblivion then What?" Caribbean Regional Compliance Association, Annual Meeting and Conference, George Town, Cayman Islands, November 17, 2018.
- **Malcolm, C.**, "Implications of the Jamaican Arbitration Act 2017 for the Engineering Profession", Jamaica Institute of Engineers' 40th Anniversary

Conference – Engineering our Future through Celebrating Our Heritage, Knutsford Court Hotel, Kingston, Jamaica, September 16–22, 2018.

- **Malcolm, C.**, “The Development Journey Continues...Securing Sustainability in a Services Reliant Economy: Opportunities, Dispute Management, and Improvement in Gross Domestic Product”, Jamaica International Arbitration Centre, 2nd Annual Arbitration Week (2019), Kingston, Jamaica, June 23–29, 2019.
- **Malcolm, C.**, “Banking on Ganja: The Compliance Conundrum” 4th Edition, CEO & Director Forum of the Caribbean Association of Banks, Hyatt Regency, Miami, USA, June 7–8, 2019.
- **Myrie, T.**, “Abortion and Constitutional Reform in Jamaica”, MonaLaw Series 2018 Paper 2, November 2018.
- **Robinson, T.**, “Commentary on “Court-centered Strategies of Advocacy” (Lidia Casas, “Chile’s ‘win-win’ abortion law (for its opponents)”, Isabel Jaramillo, “Aggressive certiorari grants for structural interventions in Colombian abortion cases” Rocío Villanueva, “Violence against women, legal reasoning, and corruption”)”. *Seminario en Latinoamérica de Teoría Constitucional y Política* (SELA Conference” 2019, “Gender and Equality”, Buenos Aires, Argentina, June 6–9, 2019.
- **Robinson, T.**, “Loving Law: Criminalization and Decriminalization of Same-sex Sex in the Anglophone Caribbean”, Annual Law and Society Association Conference, Washington DC, May 30, 2019.
- **Robinson, T.**, Bulkan, A., “Equality and Social Inclusion”, Eastern Caribbean Supreme Court Judicial Conference, One Day Session, “Equality for All in the Administration of Justice: With a Special Focus on the Impact of Discrimination, Vulnerability and Social Exclusion on Access to Justice”, St. Kitts and Nevis, May 28, 2019.
- **Robinson, T.**, “Mass marriages in Jamaica and academic folk knowledge in the 1950s”, Paper presented at Small Axe Symposium, “The Jamaican Fifties”, University of Pennsylvania, April 4–6, 2019.
- **Robinson, T.**, “Unwritten constitutional norms and supranational courts in the Caribbean”, University of Ottawa, Durham University Symposium, “Unwritten Constitutional Norms and Principles: Contemporary Perspectives”, University of Ottawa Faculty of Law, Ottawa Canada, March 22, 2019.
- **Robinson, T.**, “Understanding Gender Diversity & Inclusiveness in Law: Looking Beyond the Numbers”, Women in Law Conference, Kingston Jamaica, March 8, 2019.
- **Robinson, T.**, “Gender Protocols for the Judiciary – What are they and why do we need them?”, The Bahamas Judicial Education Conference 2019, British Colonial Hilton Hotel, Nassau Bahamas, January 8, 2019.



- **Robinson, T., Bulkan, A.,** “Modern Vagrants, LGBTQI Lives, and Strategic Litigation in the Caribbean”, New College Initiatives Fund, Women and Gender Studies, Caribbean Studies and Sexual Diversity Studies, University of Toronto, December 4, 2018.
- **Robinson, T., Bulkan, A.,** “Making Sense of Anglo-Caribbean Constitutions: Law, Rights and (In) Justice:”, Presentation at the Bookstore, *At a Different Booklist* as part of the Series, Toronto, Canada, “In the Diaspora: Caribbean Groundings”, December 3, 2018.
- **Robinson, T.,** “Safety, Security and Human Rights: Modern Vagrancy in the Anglo-Caribbean”, The 15th International Conference on Urban Health, “Managing Urbanisation for Health: A Priority for All Nations”, Plenary Session 5, “Safety, Security and Justice”, Kampala, Uganda, 26–30 November 2018.

## PUBLICATIONS

### Journal Articles

- **Ali, S.,** “Security and Justice: Global Priorities or Universal Dreams? (2018) *Journal of Law, Governance and Society* (editorial, Volume 3, iv-vi).
- **Biholar, R.,** (2018), Imagining Caribbean Development: the Right to Development and the Reparations Nexus, In Carol C. Ngang, Serges D. Kanga and Vusi Gumede (Eds.) *Perspectives on the Right to Development*, Pretoria University Law Press (PULP), 314–345.
- **Brown-Blake, C.,** “Judges as Language Referees for Caribbean English Vernacular Speakers.” *New Frontiers in Forensic Linguistics: Themes and Perspectives in Language and Law in Africa and beyond* (2019): 149.
- **Daley McClure, D.,** “Jamaica Chapter on Copyright” published in Copyright throughout the World, Ed. By Silke Von Lewinski, (2008–2018) Thomson Reuters, 2018, Vol. 2 Chapter 21 s 21:1–21:56.
- **Robinson, T., Matthews, J.,** “Modern Vagrancy in the Anglophone Caribbean” (2019) 4(1) *Caribbean Journal of Criminology* 123–154.
- **Robinson, T.,** “Caring Work” (2017) 42(3) *Journal of Eastern Caribbean Studies* (Special Issue: Gender, Sexuality and Feminism in the Caribbean: Transdisciplinary Engagements) (2019) 59–79.

### Manual

**Ali, S., Chambers, C., Hay, C., Johnstone, A., McLeary, S.,** (2019) FID, CFATF and REDTRAC Financial Investigation Training and Accreditation Programme (FITAP) Course Manual (192 pages)

**Other**

- **Brown-Blake, C.**, “Language and Access to Justice” in J Matthews, J Amoah (eds), *Securing Equality for All in the Administration of Justice: Proceedings of the Caribbean Judicial Dialogue* (Faculty of Law The UWI Mona, 2019) 109–120.
- **Daley McClure, D.**, “International Opposition Guide, Comparative Practice and Procedures – Jamaica”, International Trademark Association (updated September 2019) <https://www.inta.org/Oppositions/Pages/IOG.aspx>
- **Daley McClure, D.**, “Role of Intellectual Property Protection in Jamaica’s transformation; From Crown Colony to Middle-Age Independent” published by Mondaq (January 2019) [http://www.mondaq.com/x/773830/Trademark/Role+](http://www.mondaq.com/x/773830/Trademark/Role+Of+Intellectual+Property+Protection+In+Jamaicas+Transformation+From+Crown+Colony+To+MiddleAge+Independent)
- **Myrie, T.**, “Making the Case Against an HIV-specific Criminal Law in Jamaica: Legal Assessment of the Effectiveness of HIV Criminalisation Laws – From High to Low-income Countries”. Position Paper for the National Family Planning Board, Ministry of Health and Wellness, 2019.

**INCOME GENERATION**

Faculty of Law The UWI Rights Advocacy Project (U-RAP) is an outreach project of the Faculty of Law The UWI established prior to the creation of faculties on three campuses. It currently includes the participation of six lecturers on the Mona, Cave Hill and St. Augustine Campuses and is coordinated by Arif Bulkan and Tracy Robinson who are also co-founders of U-RAP, and administered at MonaLaw. U-RAP’s mission is to promote human rights and social justice in the Caribbean by undertaking and participating in strategic litigation, socio-legal research and legal education in collaboration with Caribbean lawyers, scholars and civil society organisations and by working with students of the Faculties of Law.

U-RAP received a grant of \$150,000USD from Open Society Foundation for a two year period, from February 2018–February 2020, to undertake strategic litigation, conduct sociolegal research and public legal education.

Through CVC, U-RAP received sub-grants from the Robert Carr Network Fund (\$105,456.64 USD) and the Global Fund (\$198,675.00 USD) for a range of activities and outputs, including training of lawyers and judges, support for pro bono litigation and legal and environmental assessments, and legal literacy manuals. These grants covered the period 2016-2019.

Rental of space in the Faculty Building to external entities continued to bring in a revenue.

## **PUBLIC SERVICE**

### **Shazeeda Ali**

- Appointed Member, National Anti-Money Laundering Committee, Jamaica (December 2018)
- Appointed Member, Chief Justice's Committee on the Criteria for the Appointment of Judges (July 2019)

### **Ramona Biholar**

- Chair and Co-coordinator of the preparatory CEDAW Mock Session for government officials, including the Directorate of Gender Affairs, supported by United Nations Office of the High Commissioner for Human Rights (OHCHR), Antigua & Barbuda. This Mock Session was critical for Antigua & Barbuda Government's preparation for and performance during the State Report review by the United Nations CEDAW Committee at its 72nd session, February 18-March 8, 2019. This review examined the status of girls and women human rights in Antigua & Barbuda between the period 2011–2018 (September 7, 2018)

### **Andre Coore**

- Fellow, United Nations International Law Fellowship Programme 2019, United Nations and Hague Academy of International Law (July 1, 2019–August 9, 2019)

### **Gabrielle Elliott-Williams**

- Member, Independent Schools Committee, Ministry of Education, Jamaica- (June 2015–present)
- Member, Caribono Core Group – Caribono is a network of human rights advocates dedicated to facilitating access to justice and legal services for members of vulnerable communities (March 2019–present)
- Competition Coordinator and Local Organizing Committee Member, The Caribbean Zonal Volleyball Association (CAZOVA) U-18 and U-19 Championships (July 2019)

### **Marcus Goffe**

- Advisor, Cockpit Country Coalition, 2019
- Member, Organising Committee, 11th Annual International Charles Town Maroon Conference and Festival, Charles Town, Portland, Jamaica, June 2019

### **Suzanne Ffolkes-Goldson**

- Member, Ministry of Finance and Planning Implementation Oversight Committee to Monitor Implementation of Strategic Priorities of the Corporate Governance Framework for Public Bodies (2014–present)

- Member, Private Sector Organization of Jamaica – Corporate Governance Committee and Chair of the Corporate Governance Code Sub-Committee (2004–2019).

### **Christopher Malcolm**

- Coordinator and Facilitator, Street Law Caribbean Train the Trainer programme in support of the implementation of Street Law in Belizean Secondary Schools, Cayo, San Ignacio, Belize (August 20–24, 2018).
- Facilitator, Court-connected Arbitration Training for the Supreme Court of Belize, The UWI Open Campus and Jamaica International Arbitration Centre, Belize City, Belize (July 15–20, 2019).

### **Tracy Robinson**

- External Advisor, Governing Council (2017-); Member, Panel Executive Committee (May–November 2019), International Planned Parenthood Federation.
- Commissioner, Independent Review of Equity and Health inequalities in the Americas (2016–2019).
- Member, Advisory Board, University Network for Human Rights (2019–present)
- Board Director, Synergia-Initiatives for Human Rights (2018–present).

## **STUDENTS**

During the 2018/2019 academic year, the Faculty continued to identify and implement strategies aimed at improving the students' experience. These initiatives included hosting an Inaugural Faculty Awards Ceremony for the recognition of outstanding students in academia and co-curricular activities. The event was held on November 12, 2018 with 46 students being recognized in the categories of Subject Awards, Year/Level Awards, Top LLM Student Award and Dean's List Award. Special awards were sponsored by Myers, Fletcher & Gordon Attorneys-at-Law and the Jamaican Bar Association. These awards included the Maurice Robinson Prize for Intellectual Property Law, The Noel Levy Prize for Revenue Law, Defying the Odds Award and Most Rounded Student Award. As we embarked on this new initiative, the Mona Law Society students association was invited to play an integral role in the planning process for the inaugural ceremony. The Law Society was also provided an opportunity to issue awards from the Society at the ceremony.

Six current and former MonaLaw students served as Fellows and Research Assistants to U-RAP during 2018/2019. U-RAP Fellowships and research assistantships are aimed at providing a high-quality experience that will develop the academic and professional interest of law students in human rights law and practice and develop their capacity to undertake human rights legal work and the interdisciplinary skills to undertake wider human rights work.

# FACULTY OF MEDICAL SCIENCES

## Mona

Year ending July 31, 2019



**DR. TOMLIN J. PAUL**  
**MB, BS, MPH, DFPHM, FAcadMed**  
**DEAN**

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# *Dean's Overview*

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## **HIGHLIGHTS OF THE WORK IN THE FACULTY**

The Faculty of Medical Sciences (FMS) continued to make strides in providing the best working and learning environment for both our staff and students. The 2018/2019 academic year was no different as we remained steadfast in our vision. The Faculty established a Special Projects Desk (SPD), supported by a consultant and an administrative staff, to assist with the execution of projects on my behalf. The primary mandate of the SPD was to provide advice, technical inputs, and develop strategies on key initiatives, as well as to recommend measures to ensure sustainability of the projects identified.

The Faculty re-established its Museum and, in keeping with the UWI's 70th year celebration, the Museum was officially opened by the Dean at a soft launch on December 17, 2018. The ceremony was attended by the UNESCO representative and senior UWI functionaries. In the coming academic year, we hope to enhance the visibility of this Museum and offer tours as well as stage exhibitions that showcase our past and present work in the medical field. A Museum Curator was engaged to coordinate the activities, with oversight from our Museum Management Committee. A donation of US\$1,000 was received from the former Chancellor and FMS Alumnus Sir George Alleyne to assist with start-up operations.

A delegation from The UWI, inclusive of the Campus Principal, visited the UWI School of Clinical Medicine and Research (SCMR) to familiarize the Principal with the operations of the School and to meet with faculty and students. The SCMR falls under the aegis of the general administration and FMS at the Mona Campus. The administration and faculty at SCMR were honored to have both the Campus Registrar and Principal visiting at the same time, and took the opportunity to make valuable suggestions to enhance the School's operations.

Professor Jonathan Shepherd of Cardiff University, the 2018 Sir Kenneth Standard Distinguished Lecturer visited the Faculty on Friday November 16, 2018 as a guest of the Faculty's Annual Research Conference. Professor Shepherd had been a pioneer in violence prevention strategies and known for developing the Cardiff Model which operated in collaboration with the police and emergency departments in identifying

“hotspots” for policing. The Faculty initiated discussions with the Violence Prevention Alliance (VPA), Jamaica and the National Road Traffic Safety Council (NRSC) to develop a Centre for Injury Research and Prevention (CIRP) at Mona using similar strategies to that of the Cardiff model. On March 7, 2019, a meeting was convened with key University personnel and representatives of the NRSC and VPA. Working groups were tasked with reviewing key elements of the proposal which formed the basis of a revised proposal that was finalised on April 19, 2019.

At the beginning of the academic year, the Medical Education Unit, which once focused largely on activities relating to the medical programme, was rebranded the “Health Professions Education Unit” (HPEU). The overall aim of the HPEU, was the promotion, development, implementation and monitoring of health professions’ education initiatives with special emphasis on faculty and continued professional development of staff, research in health professions education, accreditation and quality enhancement, curriculum development, and interprofessional collaboration. The Unit undertook a number of initiatives, chief of which were the hosting of a several developmental workshops for faculty who were involved in medical education. There were guest presenters including the current University Registrar, prior to his official appointment in August 2019, who greatly assisted with this initiative. Workshops were conducted on Item-Writing, Blueprinting, Standard Setting, Flipped Classroom and Leadership all of which received excellent feedback. Consultations in quality assurance and accreditation relating to the Medicine, Dentistry and Diagnostic Imaging programmes were undertaken. Through the HPEU, the inaugural Faculty of Medical Sciences Annual Faculty Teaching Award was developed and launched during the academic year. A consultation group comprising of Professor Russell Pierre (Director, HPEU), Professor Joseph Branday, Dr. Mervin Chisholm and Dr. Keren Cumberbatch, developed the criteria and terms of reference for the award. The first award was expected to be presented in October 2019. The Unit continued to be active in ensuring staff development in various areas across the Faculty.

## **TEACHING, LEARNING AND STUDENT DEVELOPMENT**

The clinical phase of the Bachelor of Medicine, Bachelor of Surgery (MB BS), the DM Psychiatry programme, as well as the BSc Diagnostic Imaging programme underwent internal quality assurance reviews and measures were being implemented to address the concerns highlighted. In relation to the Diagnostic Imaging programme, there were some challenges with securing adequate space for clinical training, but this was partially addressed with the acquisition of the Shaderware (interactive) software with assigned computers which improved the quality of teaching through simulation. This approach was supported by the continued use of clickers and video presentations. The opening of the Cardiac Intervention Suite at the UHWI saw the creation of a space to facilitate training in the clinical component of the Diagnostic Imaging



programme. The curriculum for the programme was also being reviewed, using the American Society of Radiologic Technologists (ASRT) curriculum as the benchmark.

The *MB BS* programme received an additional 3 years of accreditation (ending 2021) from CAAM-HP marking significant progress in quality improvement. The *Doctor of Dental Surgery (DDS)* programme was also seeking Commission on Dental Accreditation (CODA) from the American Dental Association (ADA) and was expected to undergo a full site visit by CAAM-HP in October 2019. The groundwork was already set in the 2018/2019 academic year in anticipation of the visit. The *BSc Nursing* programme continued to make strides towards applying to CAAM-HP for accreditation.

As Dean, I have strengthened collaboration with student leadership, through a series of meetings orchestrated by the UWI Mona Guild Representative for the Faculty and other student leaders from the Standing Committee on Medical Education (SCOME) and the Jamaica Medical Students Association (JAMSA). Support had also been given to student leaders, led by Nikolai Nunes, a fifth year medical student, who attended conferences and represented the Faculty and The UWI at large, such as at the Association for Medical Education in Europe (AMEE) Conference in 2018, and carrying the flag as the senior student leader on social accountability.

In keeping with the drive to advance student development a new course was commissioned and subsequently approved through excellent collaboration led by Dr. Cunningham-Myrie of the FMS and Professor Ramsay and Dr. Bruni of the Faculty of Humanities and Education. The course, Spanish for Medical Purposes Course which was approved for the 2019/2020 academic year was expected to provide an innovative approach to building the competency of FMS' students in Spanish and would facilitate their engagement in Spanish speaking environments. The Faculty also received approval for a postgraduate diploma in Infection and Prevention Control in the Healthcare Environment through the Board for Graduate Studies and Research. Another interfaculty collaboration was that of the FMS and the Faculty of Science and Technology which resulted in the formation a joint oversight committee for training and research in isotopic and radiation sciences aimed at filling the gap in specialist manpower needs in this area.

As part of the Student Success initiative, students continued to receive support with personal and academic issues through activities conducted by the Personal and Professional Development Officers. Assistance was provided through one-on-one sessions as well as seminars and workshops. The services offered involved students at the various sites, such as the Mona Western Jamaica Campus and the SCMR in the Bahamas. The Office of the Deputy Dean Student Success facilitated the award of scholarships to several students. The Smiley's Voice Foundation Award valued at US\$1000.00 and the Dr. Pamela DaCamara & Dr. Karl Massiah Scholarship valued at US\$10,000.00. Both scholarships were awarded to students in the MB BS programme.

Student groups in the Faculty had also found innovative ways to support their colleagues in the various programmes. This drive continued through the *Big Brother/Big Sister* initiative in the BSc Diagnostic Imaging and the *Sibling Pairing System* in the Bachelor of Basic Medical Sciences (BBMedSc), Doctor of Pharmacy (PharmD) and MB BS programmes. These initiatives involved the pairing of senior and junior students in each programme to help new students adjust to University life, to develop effective study techniques, and to keep focused.

Our students continued the tradition of hosting and organizing the annual Smoker. For the 2018/2019 academic year, proceeds from the Smoker events were used to purchase much needed medical equipment and to repair the building infrastructure at the Port Maria Hospital in St. Mary. The Faculty took a keen interest in Smoker and continued to give support, as this was in line with our social accountability agenda.

Approval was granted for the renaming of the Small Medical Lecture Theatre, UHWI to the Peter Fletcher Lecture Theatre (PFLT). Renovations were also advanced for the refurbishing exercise for which contributions were received from members of the late Peter Fletcher's family, staff in SURRADIC, The Tony Thwaite's Wing of the UHWI and the Dean's Office. The newly renovated PFLT was expected to be opened at a ceremony to be held in September 2019. Additionally, the Faculty benefitted from the donation of 450 clear safety goggles and 37,000 assorted medical/surgical instruments from MEDGIVE, New York. The handing over ceremony was held on June 17, 2019 and Professor Plummer, Head, Department of Surgery, Radiology, Anaesthesia & Intensive Care had been asked to give oversight to the management and distribution of the items.

## RESEARCH AND INNOVATION

Faculty's Annual Research Conference for 2018 was staged in collaboration with the Violence Prevention Alliance under the theme "Violence, Trauma and Development". As an incentive to participants at the Conference, the Dean's Prize was awarded to the best presentation, titled "Glaucoma medication compliance in patients at the University Hospital of the West Indies, Jamaica" by Ms. Deborah Dietrich, a postgraduate student who was assisted to attend the 64th Caribbean Public Health Agency (CARPHA) Conference held in Trinidad and Tobago.

As a major achievement of The SUNY/UWI collaboration the Department of Microbiology and by extension the Faculty, welcomed the co-founder of the Global Virus Network (GVN), Professor Robert Gallo, to launch the new GVN Jamaica Affiliate. Dr. Joshua Anzinger would direct the operations of the Centre which would strengthen collaborative research on viral diseases. Through this initiative, DM students had been participating in the annual virology short course at the University of Maryland.

The Faculty continued to work with the European Union funded Programme for the Reduction of Maternal and Child Mortality (PROMAC) through the Health Research Resource Unit. The ongoing project was valued at Euro 1.1 million and had been benefitting postgraduate students in various specializations.

Two lecturers from the Department of Medicine had been working on a research project “Prevalence of gestational diabetes mellitus (GDM) in high risk women in Kingston, Jamaica, and association with pregnancy outcomes” through a grant obtained from a meeting with the UWI and the Royal Society entitled “Caribbean Frontiers of Science” which they attended from March 20–21, 2019 in London, United Kingdom.

## PUBLICATIONS

### Book Chapters

- **Mullings J**, Barton-Gooden A, Garriques-Lloyd S, Noble-Myrie V, Reid S and **Paul T**. “*Pathways to Sustainable Development Goal # 3: Integrating human rights, health equity and social justice into health policies and programmes in Jamaica*”. In *Advances in Sociology Research*. Volume 27, 2019 ISBN: 987-1-53615-802-1 (*ebook*). Nova Science Publishers. Hauppauge, New York, USA.
- **Mullings J**, Dunn L, Sue Ho M, Wilks, R, Archer C.” *Building an integrated model for urban renewal and sustainable development in Jamaica: Progress, challenges and new directions*”. In *An Overview of Urban and Regional Planning*, Yasar Bahri Ergen (Ed). IntechOpen, London SE1 9SG, United Kingdom. Published November 2018. DOI: 10.5772/intechopen.79075

### Refereed Journal Articles

Aquart-Stewart A, **Walters CA**, White S. “The Impact of Tobacco and Occupational Exposure on Chronic Obstructive Pulmonary Disease in a 70 and over Jamaican Cohort from the Burden of Obstructive Lung Disease (Jamaica) Study”. *West Indian Med J* Vol 67, Issue 5: 2018: Special Issue Commemorating the 70th Anniversary of The University of the West Indies.

### Presentations

#### Dr. Jasneth Mullings

- **Mullings J**, Sue Ho M, Dunn L, Archer C, Wilks R. “Evidence for the re-engineering of urban Jamaican informal settlements as a health equity and social justice tool”. 15th International Conference on Urban Health. ‘Managing

Urbanisation for Health: A Priority for All Nations'. 26–30 November 2018. Kampala, Uganda.

- Ferguson T, Younger-Coleman N, **Mullings J**, Francis D, Greene L, Lyew-Ayee P Jr, Wilks R. "Neighbourhood Socioeconomic Status Inversely Associated with Blood Pressure Among Afro-Caribbean Youth". American Heart Association Scientific Sessions 2018 November 10–11, 2018 Chicago, Illinois

#### **Dr. Christine A. Walters**

- Nunes N, **Walters C**, Paul T, Cunningham-Myrie C. "Student Engagement in Curriculum Development: A First for the University of the West Indies Faculty of Medical Sciences, Jamaica". AMEE 2019: An International Association for Medical Education. August 2019. Vienna, Austria
- Rajendra-Santosh AB, Collins J, Jones T, Brache M, Toro M, Tumanyan S, **Walters C**, White S, Elias-Boneta A. "The SmoCar Study: A Caribbean-based Multicenter Study on the Prevalence and Disparities linked to Smoking and Gingival Health". UWI Research Days, Mona Campus, February 2019.
- **Walters CA**. Invited presentation on "Conveying the Weight of Evidence: The Role of Probability and Statistics in Forensic Science". Jamaica Bar Association Conference, November 2018.
- Sharpe N, Wharfe G, Ward-Chin S, **Walters C**. "Depressive Symptoms among Breast Cancer patients at the University Hospital of the West Indies". FMS Annual Conference and Workshops, November 2018. *WIMJ* 2018; Vol 67 (Suppl 4): 28.

#### **Dr. Tomlin Paul**

- **T Paul**, E Langott, R Pierre, L Weaver (2019) Evaluation of exploratory and explanatory sequential design approaches in studying the "empty class syndrome" in health professions education. Mixed Methods International Research Association (MMIRA) Conference, Trinidad, March, 2019.
- T Paul, E Langott, L Weaver, R Pierre (2019). Promotion of a mixed methods approach in clinical clerkship evaluations for physician training at the University of the West Indies, Jamaica. Mixed Methods International Research Association (MMIRA) Conference, Trinidad, March, 2019.
- Paul TJ, Weaver S, Weaver L. (2019) The social mission in health professions education agenda needs mixed methods research. The Third Mixed Methods Research Regional Conference, March 2019.

#### **Medical Students**

- **Cosonya Smith**, **Rakiya Cameron** and Patrice Francis-Emmanuel. "A Clinical Observation of the Effects of Hypothyroidism on the Cardiovascular System",

Innovation in Medicine 2018; Royal college of Physicians Annual Conference, ExCel London, 25 June 2018–26 June 2018. Paper published: March 1, 2019. doi: 10.7861/clinmedicine.19-2-s29 Clin Med March 1, 2019 vol. 19 no. Suppl 2 29.

- **Abe-Noelle Pryce, Rochelle Ogilvie, Candi Whittick and Mike Mills.** “Deadly Fluids-Hereditary Diffuse Gastric Cancer Presenting with Ascites”. Innovation in Medicine 2018; Royal College of Physicians Annual Conference, ExCel London, 25 June 2018–26 June 2018. Paper Published March 1 2019. doi: 10.7861/clinmedicine.19-2-s36 Clin Med March 1, 2019 vol. 19 no. Suppl 2 36.

#### PUBLICATION BY DEPARTMENT – 2018/2019

Department	Publications	Presentations - Conferences/ Scientific Meetings	Books & Monographs (b)/Book Chapter (bc)	Technical Reports
Basic Medical Sciences	30	23	2bc	1
Child & Adolescent Health	16	35	–	–
Community Health & Psychiatry	35	27	–	5
Medicine	16	19	–	1
Microbiology	10	15	–	5
Obstetrics & Gynaecology	1	1	–	–
Pathology	8	7	2bc	–
Surgery, Radiology, Anaesthesia & Intensive Care	20	30	2bc	–
Caribbean Institute for Health Research	34	39	–	–
Dean's Office	1	9	2bc	–
School of Dentistry	10	–	–	–
UWI School of Nursing	3	4	3b	1
Mona Ageing & Wellness Centre	4	10	2bc	–
Hugh Wynter Fertility Management Unit	4	4	–	–
<b>Total</b>	<b>198</b>	<b>223</b>	<b>3b;10bc</b>	<b>13</b>

#### CONFERENCES ATTENDED

Miss Jannet McIntosh and Mr. Colin McKenzie from the School of Medical Radiation Technology attended the 44th Annual Conference of the Association of Collegiate Educators in Radiologic Technology [ACERT], held in Las Vegas, Nevada from February 6–8, 2019.

## NATIONAL ENGAGEMENT AND OUTREACH

The Faculty continue to participate in activities that place emphasis on social accountability.

The working group on social accountability and inter-professional education continued to find ways to incorporate social accountability in the Faculty. A staff member in the Dean's Office had been designated to assist with the coordination of all outreach activities; this has been a huge help in having these activities organized smoothly. The FMS Guild also organized activities that included a health fair on October 25, 2019 which was supported by private companies in addition to the Diabetes Association of Jamaica and fundraising by way of a Barbeque on November 23, 2018 and from which proceeds went towards offering bursaries to needy students in the Faculty.

During the 2018/2019 period the Virology Laboratory responded to two major influenza and dengue epidemics. The Department of Microbiology had to employ additional testing methodologies to facilitate rapid testing and early reporting of results.

The Mona Ageing and Wellness Centre (MAWC) continued to work with the Pan American Health Organization/World Health Organization on the development of a National Strategic Plan for Ageing and Health in Jamaica. There have also been a number of improvements in the health sector which resulted from collaboration between the MAWC and the Government of Jamaica.

The School of Medical Radiation Technology (SMRT) Radiography Student Radiographers' Association continued with the **Give-it Initiative**. This year donations of clothing, food, and toiletries were given to the Golden Age Home, Wortley Home, Best Care Children's Home, National Children's Home, Hope Institute and Sophie's Place. SMRT Student Radiographers' Association won the prize for the most informative booth at "Fusion". The Pharmacy Students Association participated in activities organized by the Jamaica Cancer Society and gave donations. They also volunteered at the health fair organized by the Pharmacy Society of Jamaica where they assisted with making presentations on various health brands. Of significance also was that the second year Pharmacy students displayed products made from what was learnt in the Pharmaceutics course at The UWI's Research Day held in February 2019. The displays were well received thereby bringing increased awareness to the programme, especially in highlighting the role of clinical pharmacists in the healthcare setting. They also participated in other outreach activities at the Mary's Child Home and health fairs in St. Mary and Westmoreland.

## REGIONAL AND INTERNATIONAL COLLABORATION

Dr. De La Haye, Deputy Dean for International and Alumni Affairs, and the Dean travelled to Seoul, South Korea upon invitation of the President of the New Tokyo Medical College, Federated States of Micronesia to finalize the details for a joint degree and student exchange programme with The UWI. A Memorandum of Understanding was signed at a signing ceremony that was held in South Korea. In the coming years, we hope to be able to develop and strengthen international partnerships in support of teaching, research and service.

Three postgraduate students in the Department of Microbiology were accepted as NIH Fogarty Scholars. The projects to be undertaken by each student would be developed in Jamaica with additional training at various collaborating laboratories of the State University of New York (SUNY).

The collaboration with The University at Buffalo Center for Integrated Global Biomedical Sciences, State University of New York (SUNY) Upstate Medical University and the Jamaica Ministry of Health led by Professor John Lindo continued to grow. A number of initiatives was expected from this collaboration including the consolidation of plans for a Clinical Research Center Network. The University at Buffalo and the FMS as part of the SUNY/UWI Collaboration received a five year grant of US \$1.1 million from the National Institutes of Health Fogarty International Center to train 15 scientists from the Caribbean in viral infection research, as a new generation of virology researchers in Jamaica to improve the study of Zika, dengue, HIV, hepatitis and other viruses. The programme which would be in collaboration with the Ministry of Health Jamaica was launched on November 29 at the Regional Headquarters.

The UWISON partnered with the St. Vincent and the Grenadines Community College to offer the BScN programme in a bid to increase access to the nursing education curriculum. This partnership took effect in the 2018/2019 academic year and preliminary talks had begun with officials in the Turks and Caicos Islands. Two students in the nursing programme were on exchange to the Kristianstad University, Sweden for a ten (10) week rotation. This exchange exposed the students to international nursing practices which are geared towards elders.

## DISTINGUISHED VISITORS

The FMS continued to engage in collaboration with international partners and during the academic year a number of persons from various institutions visited with the Dean and other members of staff in various departments/programmes for various collaborative engagements:

- Dr. Leslie E. Kendrick, Associate Professor, Programme Director, Chair, Department of Radiologic Sciences, Boise State University



- Professor Wayne J. Riley, President, SUNY Downstate Medical Centre – November 5, 2018.
- Professor Jonathan Shepherd, Cardiff University, United Kingdom – November 9, 2018.
- Dr. Girardin Jean-Louis, Professor of Population Health, 180 Madison Ave, New York, NY 10016, USA – November 13, 2018.
- Dr. Azizi Seixas, Assistant, Professor of Population Health and Psychiatry, New York University 180 Madison Ave, New York, NY 10016, USA – November 13, 2018
- Debbie Chung, Senior Project Coordinator, New York University 180 Madison Ave, New York, NY 10016, USA – November 13, 2018
- Dr. Ferdinand Zizi, Department of Population Health, 180 Madison Ave, New York, NY 10016, USA – November 13, 2018.

## STUDENT ACHIEVEMENTS

**Undergraduate enrollment for the academic year 2018/2019 (compared to 2017/2018)**

Programme	Majors and Minors	No. of Students 2017/2018	No. of Students 2018/2019
<b>Associate Degree</b>	Child Development Therapy	–	–
<b>BBMedSci</b>	Anatomy	51	61
	Biochemistry	1	–
	Pharmacology	100	94
	Physiology	22	18
	<b>Subtotal</b>	<b>174</b>	<b>173</b>
<b>BSc</b>	Nursing (Post RN) Online Delivery	102	86
	Nursing (Generic)	1291	1327
	Physical Therapy	152	147
	Diagnostic Imaging	90	91
	<b>Subtotal</b>	<b>1635</b>	<b>1651</b>
<b>DDS</b>	Doctor of Dental Surgeon	90	78
PharmD	Doctor of Pharmacy	52	72
MBBS	Bachelor of Medicine & Surgery	1627	1549
Specially Admitted	Electives/Clinical Rotations	50	62
<b>Total</b>		<b>3628</b>	<b>3585</b>

**The MBBS Examination Results – Academic Year 2018/2019**

Subjects	Pass	Honours	Distinction	Fail/FA	Total
Medicine (MDSC553)	275	23	–	30	305
Obstetrics and Gynaecology (MDSC554)	279	31	–	16	295
Surgery (MDSC555)	274	24	–	33	307
<b>Total no. of student who sat the exams</b>					<b>318</b>

**Graduated – Undergraduate Students – Academic Year 2018/2019**

Programmes	No. of Students 2018/2019
BBMedSc	53
BSc Nursing (Post RN)	21
BSc Nursing (Generic)	274
BSc Diagnostic Imaging (Radiography)	29
BSc Physical Therapy	43
DDS	14
PharmD	8
MBBS	387
<b>Total</b>	<b>829</b>

**Undergraduate Student Awards – 2018/2019**

The Faculty continued to acknowledge the hard work of its students from all programmes, whom would be awarded at its Annual Student Awards Ceremony on October 14, 2019. A total of one hundred (100) students would receive award for their academic achievements as well as for their roles in co-curriculum activities. For the first time students from the PharmD programme would also be awarded. Going forward, Heads of Departments and Programme Coordinators were tasked with encouraging students to engage in sports, cultural activities and service to community as a part of achievement of excellence. The awards were as follows:

Programmes	Types of Award	Number of Students
DDS	Outstanding Graduands	2
MBBS	Dean's List	22
	Honour Society	7
	Outstanding Graduands	2
	Co-Curricula	2
BSc Nursing	Dean's List	45
	Honour Society	6
	Outstanding Graduands	2
BSc Physical Therapy	Dean's List	6
	Honour Society	4
	Outstanding Graduands	2
BBMedSc	Dean's List	3
	Honour Society	3
	Outstanding Graduands	2
	Co-Curricula	1
BSc Diagnostic Imaging	Dean's List	9
	Honour Society	4
	Outstanding Graduands	2
PharmD	Dean's List	1
	Honour Society	1
	Outstanding Graduands	2
	Co-Curricula	2

### Prizes/Medals

The final examination in the medical programme continued to raise much anxiety for students after their 5 years of study, but remained competitive among candidates. The examinations were hosted twice annually but awards were granted only at the May/June sitting each year. As such, the following awards were given to students at the Pledge Ceremony hosted on June 13, 2019, who completed the programme at Mona:

Awards	Names of Graduates
Cross-Campus Medals	
Subject Medal in Obstetrics and Gynaecology	Shanice Scarlett
Pathology/Microbiology Medal	Dajour Collins
<b>Prizes/Bursaries</b>	
Aubrey McFarlane Bursary	Jonelle James
Professor Owen Morgan Prize in Medicine and Therapeutics	Kaesha Thomas
Allenbury Prize in Medicine	Dea Thomas
Dr. The Hon. John Hall Book Prize	Kaesha Thomas Rochelle Smith Dea Thomas Jonelle James
Astley Karl Bambury Foundation Prize in Medicine	Kaesha Thomas
Professor Louis Grant Prize in Microbiology	Dajour Collins
Professor S.E.H. Brooks Memorial Prize	Dajour Collins
Medical Council of Jamaica Prize	Kaesha Thomas
Medical Association of Jamaican Insurance Fund Prize in Obstetrics and Gynaecology	Shanice Scarlett
David B. Stewart Prize in Obstetrics & Gynaecology	Shanice Scarlett
Sagicor Life Jamaica Limited Award	Karran Singh
Guardian Life Jamaica Limited Prize	Dea Thomas
Medical Protection Society Prize	Jonelle James
National Commercial Bank Prize	
All-round Academic Performance & Good Citizenship	Rochelle Smith
Good Citizenship	Genielle Williams Tiffany Robinson
Student Leadership	Jeremy Smith Alex James Romario White Hubert Small

Prizes awarded to students in the BSc Physical Therapy Programme for 2018/19 were as follows:

Awards	Names of Students
Best Performance in Anatomy	Cody Hemmings
Best Performance in Physiology	Cody Hemmings
Best Performance in Rehabilitation 1	Asha-Gaye Blake
Best Performance in Rehabilitation 2	Asha-Gaye Blake
Best Performance in Rehabilitation 3	Kacey Tomlinson
Outstanding Performance in Clinical Practice	Kelci Ramdial
Best Performance in Medical Science 1	Kacey Tomlinson
Best Performance in Medical Science 2	Asha-Gaye Blake
Best Performance in Medical Science 3	Shanelle Greaves

## Other Student Award

In recognizing the vision and progressive leadership in promoting student engagement, the Jamaica Medical Students Association (FAMSA) won the Guillermo “Memo” Martinez Bustamante Award for 2019 of \$300 Euros for its Burnout and Wellness programme.

## Postgraduate enrollment and completion for the academic year 2018/2019:

### *Registered Graduate Students – 2018–2019*

Programmes	No. of Students 2018/2019
Advanced Certificates	15
Diploma	50
DM	433
DrPH	26
MPH	50
Taught Masters	139
MPhil	48
PhD	41
<b>Total</b>	<b>802</b>

### *Graduated – Postgraduate Students – 2018–2019*

Programmes	No. of Students 2018/2019
Advanced Certificates	6
Diploma	14
DM	67
DrPH	1
MPH	22
Taught Masters	56
MPhil	1
PhD	2
<b>Total</b>	<b>169</b>

## STAFF MATTERS

### Promotion

#### *Professorship*

The following members of staff were promoted to the level of Professor:

- Dr. Rachel Irving, Department of Basic Medical Sciences
- Dr. Eulalia Kahwa, UWI School of Nursing

**Senior Lecturer**

- Dr. Steve Weaver, UWI School of Nursing
- Dr. Patrick Roberts, Department of Surgery, Radiology, Anaesthesia & Intensive Care
- Dr. Lowell Dilworth – Department of Pathology

**Resignation**

- Mr. Winston Gordon, Driver, Dean's Office – June 2019

**Awards**

- Dr. Georgiana Gordon-Strachan, Senior Lecturer in the Caribbean Institute for Health Research received the Vice Chancellor's Awards for Excellence in Research.

**Research Awards**

In February 2019, several members of staff received the Principal Research Awards for outstanding work done (with their collaborators), as follows:

**The Best Research Publications**

- *Professor Maria Jackson, Professor Norma McFarlane-Anderson, Professor Marshall Tulloch-Reid and Dr. Williams Aiken* – Inflammation polymorphisms and prostate cancer risk in Jamaican men: Role of obesity/body size.
- *Dr. Angela Rankine-Mullings, Dr. Nadine Morrison-Levy, Dr. Deanne Soares, Dr. Lesley-Gaye King, Dr. Susanna Ali, Professor Jennifer Knight-Madden, and Professor Marvin Reid* - Transcranial Doppler velocity among Jamaican children with sickle cell anaemia: determining the significance of haematological values and nutrition.
- *Dr. Douladel Willie-Tyndale, Dr. Julian McKoy-Davis, Dr. Desmalee Holder-Nevins, Dr. Kenneth James, Dr. Norman Waldron and Professor Denise Eldemire-Shearer* – What Predicts health services utilization among older black men in Jamaica?

**The Most Outstanding Researcher/Research Activity**

*Dr. Monika Asnani* – Caribbean Institute of Health Research

- Articles: Stigma and Illness Uncertainty: Adding to the burden of Sickle Cell Disease | Disease knowledge, illness perceptions and quality of life in adolescents with sickle cell disease: is there a link? | Twelve Tips for Teaching a Comprehensive Disease-Focused Course with a Global Perspective: A Sickle Cell Disease Example | Improving disease knowledge in 6 to 10 year olds with sickle cell disease: a

quasi-randomized trial | Interventions for treating neuropathic pain in people with sickle cell disease | Causes of death and early life determinants of survival in homozygous sickle cell disease: the Jamaican cohort study from birth.

### **The Research Project Attracting the Most Research Funds**

- *Dr. Gilian Wharfe, Dr. Nicole Urquhart-Edwards* - Department of Pathology, for grant funding in the amount of US\$87,969 or JA\$11,196,258 for work done on an extension to previous study, an Investigation of the HTLV-1 Virus - Identification, Referral and Follow-up of Patients who have HTLV.

### **Other Awards**

- Miss Abigaile Jones, nursing student at the UWISON, Western Jamaica Campus – recipient of the Nursing Student of the Year in the LASCO/NAJ Awards & UWI AWARDS.
- Professor Wendel Abel – Head, Department of Community Health & Psychiatry – recipient of the RJR GLEANER Honour Award for continuous research on Mental Health in Jamaica.
- Mrs. Tracia-Gay Kennedy-Dixon, Department of Basic Medical Sciences – recipient of the Alavi-Mandell Award by the Education and Research Foundation for Nuclear Medicine and Molecular Imaging.
- Professor Peter Figueroa, Professor of Public Health, Epidemiology and HIV-AIDS was recognized at the World Health Assembly as a health leader for his substantial contribution to public health in Jamaica, the Caribbean, the Americas, and the world over the past four decades.

### **Staff Development**

Members of staff in the Dean's Office successfully completed programmes of study in the respective fields:

- Miss Sharon Roberts, Administrative Officer - Master of Arts in Higher Educational Management – UWI, Mona, July 2019.
- Miss Mellisa Walker, Administrative Secretary – Bachelor of Laws – University of London, August 2018.
- Mrs. Joycelin Hyatt-Rowe, Master of Arts in Higher Education: Student Personnel Administration, UWI, Mona – July 2019.
- Miss Adellicia Nelson, Master of Science in Human Resource Management – UWI, Mona, July 2019.



**Obituaries**

The Faculty mourned the passing of the following persons:

- Mr. Fitzmore Coates, Adjunct Lecturer, Department of Basic Medical Sciences - September 18, 2018.
- Miss Joyce Robinson, retired Laboratory Attendant, Department of Basic Medical Sciences – April 19, 2019.
- Miss Dawn Lindsay, Student, Doctor of Pharmacy programme, Department of Basic Medical Sciences – February 20, 2019.
- Miss Cynthia Wolff, retired Senior Nurse Technician, Department of Pathology – September 2, 2018.
- Mr. Nyle Stewart, Physical Therapy student, Department of Basic Medical Sciences – September 7, 2019.

**Public Service**

- *Mullings J* served as Member of the International Society for Epidemiology (ISEE) Ethics and Philosophy Committee.
- *Walters CA* served as Treasurer for the Caribbean Association of Forensic Sciences as well as Member of the Continuing Education Committee of the Jamaica Statistical Society

**CONCLUSION**

Overall, the academic year 2018/2019 was a productive one, and already the drive continues to enhance student success in all programmes, as well as to deepen staff and student engagement and improve the work of the Faculty for the benefit of all stakeholders.



## DEPARTMENT OF BASIC MEDICAL SCIENCES

Professor Paul D. Brown, BSc, MPhil, PhD (UWI) – Head of Department

### WORK OF THE DEPARTMENT

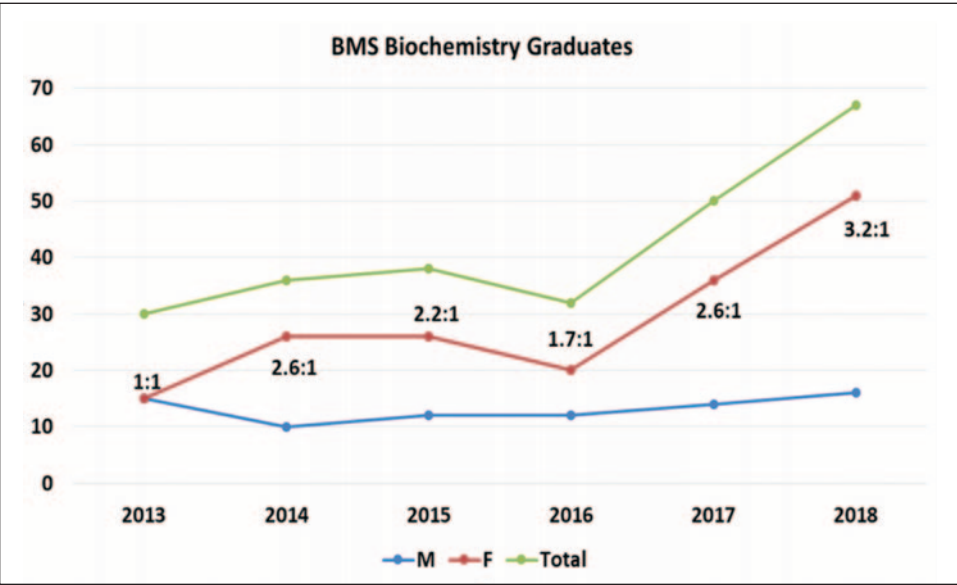
The Department remains committed to the promotion of excellence in teaching and research and to the creation of an environment which fosters growth and development among its students and staff. We are even more aware of the need to strive for excellence in curriculum delivery (graduate formation), scholarship and service. While low funding availability remains a major issue, academic staff are encouraged to collaborate both internally and externally, including internationally. Consequently, several students have travelled overseas to complete part of their research. An example of this is the continued collaboration with the University of Pennsylvania (Gene Therapy Program), where Professor JP Louboutin travelled with Donnahue Dennie, and with the University of Calgary, where Rohan Grant (MPhil student of Professor Paul Brown) visited on a Canada-CARICOM scholarship to do microbiome/viriome studies.

The issue of securing academic staff in vacant posts remain a concern, and in several cases, particularly in Anatomy, post-retirement contracts have had to be extended. However, vacant posts have been advertised, and shortlisting have taken place. There remains a concern about the time it takes for HRMD to finalize advertisements for posting. Five new posts approved for BMS for August 2019.

In terms of infrastructure, the pH neutralization system was serviced during the period under review (with help of Estate Management Division) to remove debris from rotors. The pH neutralization system, which holds approximately 3,144 gallons (11,900 Litres), is used to process all liquid laboratory waste that flow from the Faculty of Medical Sciences Teaching and Research Complex, prior to this joining the campus' sewer pipes for final deposition into the wastewater treatment plant in Hermitage.

With respect to Undergraduate teaching, the Department commenced development of a document that will detail the framework for teaching and learning and research

in BMS. This will include a review of programmes in all Sections, detailing aspects of teaching, learning and research (including resources), student profile, assessment processes and learning outcomes. As an example of the analysis, we noted in the Biochemistry Section (2013–2018):



- Females outperformed Males as graduates (1:1 in 2013 to 3.2:1 in 2018), and for all classes of honours and pass degrees

2:6:1	2:5:1	2:6:1	2:4:1	3:2:1	2:9:1
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- Female/Male intake into Biochemistry between 2013/14 and 2018/19 academic years varied between a ‘low’ of 2.4:1 (2016) to a ‘high’ of 3:2:1 (2017); class size was on average 220.

We noted that the F/M intake into postgraduate studies (MSc/MPhil/PhD; BAMS only programmes) between 2013/14 and 2018/19 varied between 1:1.4 (2017) and 2.8:1 (2016). However, the numbers have been trending down since 2015/16 (26), now at 13.

The revised BSc Physical Therapy curriculum was approved by the Board for Undergraduate Studies and was implemented in September 2018.

**STAFF AWARDS AND PROMOTIONS**

- Mrs. Tracia Kennedy-Dixon became the first certified Nuclear Pharmacist in the English-speaking Caribbean.

- Mr. Michael Gardner was conferred with the **Order of Distinction in the rank of Commander (CD)** in recognition of services to the Medical Sciences, in particular Anatomy and the Arts on October 15, 2018, Heroes Day at King's House.
- Dr. Aldeam Facey was the recipient of the 2018 Prime Minister's National Youth Awards for Excellence in the category of Innovation, Science and Technology for his study in quantified adipocytic contributions to basic lactate and created a novel metabolic profile of Jamaican athletes.
- Ms. Doreen Brown and Ms. Debbie-Ann Daley were promoted to Administrative Secretary.
- Drs. Icolyn Amarakoon and Karen Thaxter-Nesbeth crossed the merit bar effective August 1, 2019.

The following persons received renewal of contract for three years: Dr. Karen Thaxter-Nesbeth, Dr. Dewayne Stennett and Ms. Garsha McCalla.

- Ms. Garsha McCalla was promoted to the level of Lecturer effective August 1, 2019.
- Dr. Icolyn Amarakoon received a New Initiative grant from the Principal's Office for the project, "Investigation of Galectin-8 Expression Levels in Benign Prostatic Tissue and Prostate Cancer Cells" for the amount of J\$1,500,000.00.
- There was a regularization of status for Dr. Paul A. Brown. He was seconded from the Department of Community Health and Psychiatry to the Department of Basic Medical Sciences as Research Fellow to Professor Paul D. Brown for the period August 1, 2017 to July 31, 2019.
- Professor Jean-Pierre Louboutin was also appointed Head, Department of Basic Medical Sciences, with effect from August 1, 2019. He was appointed Frontiers Section Editor (Anatomy) for the journal "CNS & Neurological Disorders – Drug Targets".
- Dr. Simone Badal was one of the five women recently profiled in the world's premier science journal *Nature* as one of the biotechnologists making their mark on the international stage. <https://www.nature.com/articles/d41586-019-01693-7>.
- Ms Abigail Barrett was temporarily employed in the Secretary III post, as Ms. Simone Harrison (Library Assistant) was seconded to the Main Library.
- Dr Chukwuemeka Nwokocha and Professor Helen Asemota were part of the team of researchers who received the Principal's Research Award for Research Project with the Greatest Multidisciplinary/ Cross Faculty Collaboration at Research Day 2019, for their work Chemical and biological application of heteroaromatic ketone hydrazone compounds: Molecular sensing, Catalytic, Anti-Cancer, Anti-Hypertension and others. Research was in conjunction with

co-authors Professor Mohammed Bakir, Dr. Peter Nelson and Dr. Marhoun Ferhat.

Professor Asemota also received the Wikipedia Recognition, 2019.  
[https://en.wikipedia.org/wiki/Helen\\_Asemota](https://en.wikipedia.org/wiki/Helen_Asemota)

- Mrs. Tracia Kennedy-Dixon was awarded the Jamaican Pharmacist of the year 2018 and received the Distinguished Pharmacy Researcher Award 2018 (November 2018). She was featured in the Gleaner: Trendsetter “Tracia-Gay – Jamaican Becomes Region’s First Nuclear Pharmacist” (September 9, 2019), and was interviewed on Television Jamaica’s Smile Jamaica – First Certified Nuclear Pharmacist in the English-speaking Caribbean (September 11, 2018).

#### **PAPERS/POSTERS PRESENTED AT SCIENTIFIC MEETINGS**

- McCalla Garsha, Brown Paul D and Nwokocha Chukwuemeka. Assessment of cardiovascular and haematological indices in cadmium-exposed rats. Oral presentation 3rd Inter-American Division Research Conference 2019, Northern Caribbean University, Mandeville.
- Riley M, Thomas R, Leitch J, Francis L, Miguel D, Dennie D, Barned H, Lodenquai P, Shetty R, Brown PL, Welds D, Gardner MT, Louboutin JP (2018). Evaluation of student response systems (clickers) in Anatomy. Research Days, February 2019, The University of the West Indies, Mona Campus.
- Dennie D, Johnson F, Louboutin JP (2018). A modified cresyl-violet method for staining neurons. Research Days, February 2018, The University of the West Indies, Mona Campus.
- Dennie D, Johnson F, Louboutin JP (2019). A quantitative analysis of the cornu ammonis of the hippocampal formation in control versus seizure-induced Sprague Dawley Rats. 9th International Federation of Association of Anatomists (IFAA) meeting in London, August 9–11 2019.
- Fearon SA, Gardner MT (2019) Sexual dimorphism in the Afro-Caribbean skulls using linear measurements of the palate with emphasis on the incisive canal. 9th International Federation of Association of Anatomists (IFAA) meeting in London, August 9–11, 2019.
- Williams, SKP, Edwards, B. Palmer, W. (2018) Choices and limitations to postgraduate education for Jamaican physiotherapist. W.I. Med. J 67(supplement 4): 1-52. ISSN 0799-5199 (Online) ISSN 0043-3144 (Print)
- Palmer, W., Williams, SKP, Clarke, D. (2018) Student perception of online classes using Blackboard Collaborate. W.I. Med. J 67(supplement 4): 1–52. ISSN 0799-5199 (Online) ISSN 0043-3144 (Print)

- Young-Martin, L. (2019). *Stress Physiology and Diabetes mellitus* was presented at the University Diabetes Outreach Programme 25th Annual International Diabetes conference, April 25–27, 2019 at Jewel Runaway Bay, Jamaica.
- Gordon C. Exercise self-efficacy, body image and body mass index in female university students in Jamaica. Presented at the World Confederation for Physical Therapy Congress held in Geneva, Switzerland, May 2019.
- Williams, SKP., Edwards, B. Palmer, W. Choices and limitations to postgraduate education for Jamaican physiotherapist. Presented at the Faculty of Medical Sciences UWI, Annual Research Conference, November 2018.
- Palmer, W., Williams, SKP., Clarke, D. Student perception of online classes using Blackboard Collaborate. Presented at the Faculty of Medical Sciences, UWI, Annual Research Conference, November 2018.
- Green Curtis, Francis-Emmanuel Patrice, Nelson Gail, Boyne Michael, Lillycrop Karen, Godfrey Keith, Forrester Terrence. Association of severe acute malnutrition in childhood with markers of sarcopenia in adult life. Presented at the UK-UWI Frontiers of Science Meeting in the United Kingdom, March 2019.
- Nelson G. Cardiac Rehabilitation. Presented at the University Hospital of the West Indies Physiotherapy Department Symposium, Kingston Jamaica, September 4, 2018.
- Kerr, Valerie. Literature Review, Research Methodology & Data Analysis. Presented at the Pharmaceutical Society of Jamaica Continuing Education Research Workshop at the University of Technology, Jamaica held June 29th and 30th, 2019.
- Nelson, Gail. Cardiac Rehabilitation. Presented at the University Hospital of the West Indies Physiotherapy Department Symposium, Kingston Jamaica, September 4, 2018.
- Stewart, Cheryl. Designer Genes: Improving the Efficacy of Molecular Diagnostic Tools in African Populations. The 5th Biennial Conference & Innovation Award of the Scientific Research Council, Kingston, Jamaica. November 20, 2018.
- Stewart, Cheryl. Bioinformatics in Medicine – the Cystic Fibrosis Example. The 7th Annual Society for Scientific Advancement Conference, Kingston, Jamaica. November 16, 2018.
- Stewart Cheryl. The World Health Organisation Expert Meeting on Genomics and Genetic Diseases, Pretoria, South Africa. April 8–11, 2019.
- Kemmoy Lattibeaudiere, Roy Porter, Ruby L. Alexander-Lindo (2018). Investigating the Effects of Extracts of *Desmodium canum* (Strong Back Weed) on Blood Glucose Levels, Blood Pressure and Testosterone in Sprague-Dawley Rats. The

Ministry of Health's 9th Annual National Health Research Conference, 'Oral Health, Intentional and Unintentional Injuries, Non-communicable Diseases Featuring Cancers, Family Planning' at Jamaica Conference Centre (November 22–23, 2018).

- Tameika Bartley, Paul Reese, Ruby L Alexander-Lindo (2018). A Hypotensive Effect of *Salvia serotina* (Chicken Weed) and the Hypoglycaemic Effect Compared with Metformin in Normal, Healthy Sprague-Dawley rats. The Ministry of Health's 9th Annual National Health Research Conference, 'Oral Health, Intentional and Unintentional Injuries, Non-communicable Diseases Featuring Cancers, Family Planning' at Jamaica Conference Centre (November 22–23, 2018).
- Foster S R, Dilworth LL, Omoruyi FO and Alexander-Lindo R L. (2019). Combined Inositol Hexakisphosphate and Inositol Displays Anti-diabetic and Antioxidant Properties in Streptozotocin-induced Diabetic Rats. University Diabetes Outreach Programme (UDOP). The 25th Annual International Conference, Diabetes and the Heart April 25–27, 2019 at Jewel Runaway Bay, Jamaica (**Second Place for Best Poster**)
- Peddie DA and Alexander-Lindo RL (2019). The Hypoglycaemic Potential of Sterols Isolated from the Rhizome of *Smilax balbisiana* (Chainy Root) in Normal Healthy Sprague-Dawley Rats. University Diabetes Outreach Programme (UDOP). The 25th Annual International Conference, Diabetes and the Heart April 25–27, 2019 at Jewel Runaway Bay, Jamaica. (**First Place for Best Poster**).
- Muir, S, Kennedy-Dixon, T, McKenzie, J, Wilson-Clarke, C and Gossell-Williams, M. A retrospective review of the potential warfarin drug interactions among patients of a pharmacist-led anticoagulation clinic. In *Proceedings of the 27th Annual Research Conference held November 8th–9th, 2018 at the University of the West Indies, Mona Campus. West Indian Medical Journal* 67 (Suppl 4): 33, POSTER P-03.

## ABSTRACTS

- Hordeaux J, Hinderer C, Buza EL, Louboutin JP, Jahan T, Bell P, Chichester JA, Tarantal AF, Wilson JM (2019). Infant Macaques Exhibit Safe and Sustained Expression of Human Iduronidase after Receiving an Intrathecal Cervical Injection of Adeno-Associated Virus 9. *Molecular Therapy*. 27; S1: P38.
- Nambiar K, Wang Q, Bell P, Buza E, Louboutin JP, Wilson JM (2019). In Vivo Characterization of a Novel Adeno-Associated Virus Natural Isolate that Targets Brain Endothelial Cells. *Molecular Therapy*. 27; S1: P93.
- Grant T, Bernard R, Porter R, Thomas S, Gordon C, (2018) Physical activity and



- perceived neighbourhood attributes in the Mona Heights community, Kingston, Jamaica. *West Indian Medical Journal* Vol 67, (Suppl 4), p.41.
- Williams, SKP., Edwards, B. Palmer, W. (2018) Choices and limitations to postgraduate education for Jamaican physiotherapist. *W.I. Med. J* 67(supplement 4): 32.
  - Palmer, W., Williams, SKP., Clarke, D. (2018) Student perception of online classes using Blackboard Collaborate. *W.I. Med. J* 67(supplement 4): 32.
  - Lattibeaudiere, Kemmoy, Porter, Roy, Alexander-Lindo, Ruby L (2018). Investigating the Effects of Extracts of *Desmodium canum* (Strong Back Weed) on Blood Glucose Levels, Blood Pressure and Testosterone in Sprague-Dawley Rats. National Health Research Conference.
  - Bartley, Tameika, Reese, Paul, Alexander-Lindo, Ruby L. (2018). A Hypotensive Effect of *Salvia serotina* (Chicken Weed) and the Hypoglycaemic Effect Compared with Metformin in Normal, Healthy Sprague-Dawley rats. National Health Research Conference p23.
  - Bartley TA., Reese PB., Lindo RL (2018). *Salvia serotina* (Chicken Weed) Displays Hypoglycaemic and Hypotensive Roles in Normal Sprague-Dawley Rats. *Jamaica Journal of Science and Technology* 28 (3): 54.
  - Foster, S. R., Dilworth, L. L., Omoruyi, F. O., and Alexander-Lindo, R. L. (2019). Combined Inositol Hexakisphosphate and Inositol displays anti-diabetic and antioxidant properties in Streptozotocin-induced Type 2 Diabetic Rats. *Jamaican Journal of Science & Technology*, 29(4): 47.
  - Peddie DA and Alexander-Lindo RL (2019). The Hypoglycaemic Potential of Sterols Isolated from the Rhizome of *Smilax balbisiana* (Chainy Root) in Normal Healthy Sprague-Dawley Rats. *Jamaican Journal of Science & Technology*, 29(4): 49.

#### CONFERENCES ATTENDED

- McCalla, Garsha. Third Inter-American Division Research Conference 2019, Northern Caribbean University, Mandeville.
- Williams, S. Faculty of Medical Sciences Annual Research Conference – November 2018.
- Young-Martin, L. The 25th Annual International Diabetes conference on Diabetes and the Heart held at The Jewel Runaway Bay, Jamaica, April 25–27, 2019.
- Ragoobirsingh, Dalip. The University of the West Indies Diabetes Outreach Programme 25th International Conference entitled: Diabetes and the Heart, April, 25–27, 2019, Jewels Resort & Spa, Runaway Bay, Jamaica.

- Kerr, Valerie. Cari-Med Limited, Pharmaceutical Continuing Education Seminar, October 21st, 2018 at The Jamaica Pegasus Hotel, Kingston, Jamaica.
- Kerr, Valerie. T. Geddes Grant, Pharmaceutical Continuing Education Seminar, December 2nd, 2018 at Knutsford Court Hotel, Kingston, Jamaica.
- Kennedy-Dixon, Tracia. December 03–07, 2018 IAEA-INT6061 – Workshop on Quality Management Audits in Nuclear Medicine Practices (QUANUM) for Latin America and the Caribbean, Montevideo, Uruguay.
- Kennedy-Dixon, Tracia. April 29–May 02, 2019 UNICEF/UNDP/World Bank/WHO Special Programme for Research and Training in Tropical Diseases – Effective Project Planning and Evaluation in Health Research, Kingston, Jamaica.
- Kennedy-Dixon, Tracia. July 15–19, 2019, IAEA-RLA6081– Regional Training Course on Radiation Protection in Medical Imaging, Kingston, Jamaica.

## BOOKS AND BOOK CHAPTERS

### Book

#### Book Chapters

- Louboutin JP, Strayer DS (2018). Gene delivery of antioxidant enzymes in HIV-1-Associated Neurocognitive Disorder. In Preedy VR and Watson RR (Eds.). *HIV/AIDS: Oxidative Stress and Dietary Antioxidants*. Academic Press, Elsevier. Chapter 10, pp. 107–123.
- Reid MK, Spence J, Nwokocha M, Palacios J, Nwokocha CR. The role of NAD(P)H Oxidase inhibition and its implications in cardiovascular disease management using natural plants products. *Studies in Natural Product Chemistry*. August 2018, 58; 43–59. Elsevier Publishers.

#### Technical Reports

- International Group of Experts (including Stewart, C). World Health Organisation. (2019, April 8–11). *WHO Expert Meeting on Genomics and Genetic Disorders: Meeting Report. Integration of genomics in low- and middle-income countries: a call for action*.

#### Articles In Peer-Reviewed Journals

- Hordeaux J, Hinderer C, Buza EL, Louboutin JP, Jahan T, Bell P, Chichester JA, Tarantal AF, Wilson JM (2019). Safe and sustained expression of human iduronidase after intrathecal administration of adeno-associated virus serotype 9 in infant Rhesus monkeys. *Human Gene Therapy*. 2019. doi: 10.1089/hum.2019.012.

- Hinderer C, Bell P, Katz N, Vite CH, Louboutin JP, Bote E, Yu H, Zhu Y, Casal ML, Bagel J, O'Donnell, P, Wang P, Haskins ME, Goode T, Wilson JM (2018). Evaluation of Intrathecal Routes of Administration for Adeno-Associated Viral Vectors in Large Animals. *Human Gene Therapy*. 29:15–24.
- Taite, DR and Ali, MK (2018). Nicotine Exposure Before the Onset of Organogenesis Induces Irreversible Embryo Toxicity in Zebrafish. *Journal of Toxicology and Pharmacology*, 2018; 2:020
- Salmon, D and Ali, MK (2018). Evaluation of nicotine-alcohol crosstalk through novel tank zebrafish swimming pattern analysis. *Journal of Behaviour Neuroscience*, 1:1–14.
- Williams, SKP, Palmer, W. Anxiety in late life: The experience of Jamaican urban community dwelling older adults. *WIMJ* 2018; 67(5): 498.
- Young, L. et al. (2018). Evaluation of Year 1 Bachelor of Medicine, Bachelor of Surgery (MBBS) Student Performance. *West Indian Medical Journal*.
- Francis, R., Rodgers, Y., Salmon, C., Junior, G., Bahado-Singh, P. S., Smith, A., Wheatley, A. O., and Asemota, H. A. (2018). Glycemic index in the development of functional beverage. *European Journal of Experimental Biology*, 8(2), 13.
- Francis, R., Bahado-Singh, P. S., Smith, A., Wheatley, A. O., and Asemota, H. A. (2018). Glycemic index of some traditional fruits in Jamaica. *European Journal of Experimental Biology*, 8(3): 15.
- Francis, R., Bahado-Singh, P. S., Wheatley, A. O., Smith, A. and Asemota, H. A. (2019). Glycemic index of selected foods in Jamaica. *Pharmacovigilance and Pharmacoepidemiology*, 2(1), 13–16.
- Natwaine Sherune Gardner, Kedon JS Luke, Andrew O Wheatley, Winston De La Haye, Perceval Steven Bahado-Singh, Lowell L Dilworth, Donovan A McGrowder, Everard Barton, Lauriann E Young-Martin, Ajibeke Salako-Akande, Henry Lowe, Errol Morrison, Denise Eldermire-Shearer, Helen Asemota. (2019). Plasma Cocaine Metabolite Levels and Liver CYP450 3A4 Isoenzyme Activity as Indicators of Cocaine Metabolism in Rats Treated With Salako Supplements. Book Chapter In: *Strategic Applications of Measurement Technologies and Instrumentation*. Pages 1–21. IGI Global Publishers.
- M Williams, HN Asemota, E Williams, D McGrowder, C Nwokocha, M Voutchkov, R Francis. (2018). The effect of a combination treatment of biomagnetic therapy and a low glycaemic influenced diet on nonfasting blood glucose levels in type 2 diabetic rats. *Diabetes Management* 8(3): 74–81.
- Williams, M., Asemota, H.N., Williams, E., McGrowder, D., Nwokocha, C. & Voutchkov, M. (2018). The Effects of Biomagnetic Therapy in Type II Diabetic Rats and the potential uses in Nano-Technology. 7th IMEKO TC19 Symposium

- on Environmental Instrumentation and Measurements, Aguascalientes, Mexico: Elsevier Press.
- Badal S, Turfus S, Rajnarayanan R, Wilson-Clarke C, Sandiford SL, (2018). Analysis of natural product regulation of opioid receptors in the treatment of human disease. *Pharmacol Ther.* 2018 Apr; 184:51-80. doi: 10.1016/j.pharmthera.2017.10.021.
  - Gordon, C, Wilks, R, McCaw-Binns, A (2018). Factors associated with health-related quality of life of ambulatory stroke survivors in Jamaica. *West Indian Medical Journal*, 67 (5), 363. DOI: 10.7727/wimj.2018.170
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Anthony, Kenneth Connell, Tine L.M. De Backer, Jea Krzesinski, Martin D. Houenassi, Corine Y. Houehanou, Sekib Sokolovic, Rankica Bahtijarevic, Mary B. Tiro, Mosepele Mosepele, Tiny K. Masupe, Weimar S. Barroso, Marco A.M. Gomes, Audes D.M. Feitosa, Andrea A. Brandão, Roberto D. Miranda, Vanda M.A.A. Azevedo, Luis M. Dias, Glenda D.N. Garcia, Idiana P.P. Martins, Anastase Dzudie, Samuel Kingue, Florent A.N. Djomou, Epie Njume, Nadia Khan, Fernando T. Lanas, Maria S. Garcia, Melanie F. Paccot, Pamela I. Torres, Yan Li, Min Liu, Liying Xu, Li Li, Xin Chen, Junping Deng, Wenwu Zhao, Lingjuan Fu, Yi Zhou, Patricio Lopez-Jaramillo, Johanna Otero, Paul A. Camacho, Jose L. Accini, Gregorio Sanchez, Edgar Arcos, Jean-René M' Buyamba-Kabangu, Fortunat K. Katamba, Georges N. Ngoyi, Nathan M. Buila, Pascal M. Bayauli, Bertrand F. Ellenga Mbolla, Paterne R. Bakekolo, Christian M. Kouala Landa, Gisele S. Kimbally Kaky, Euloge K. Kramoh, Yves N.K. Ngoran, Michael H. Olsen, Laura Valdez Valoy, Marcos Santillan, Rafael G. Medina, Carlos E. Peñaherrera, Jose Villalba, Maria I. Ramirez, Fabricio Arteaga, Patricia Delgado, Holly Beistline, Francesco P. Cappuccio, James Keitley, Tricia Tay, Dejuma Y. Goshu, Desalew M. Kassie, Sintayehu A. Gebru, Atul Pathak, Thierry Denolle, Bezhan Tsinamdzgvrishvili, Dali Trapaidze, Lela Sturua, Tamar Abesadze, Nino Grdzeldze, Mark Grabfelder, Bernhard K. Krämer, Roland E. Schmeider, Betty Twumasi-Ankrah, Elliot K. Tannor, Mary D. Lincoln, Enoch M. Deku, Fernando S. Wyss Quintana, John Kenerson, Emmanuela D. Jean Baptiste, Wideline W. Saintilmond, Ana L. Barrientos, Brigitte Peiger, Ashley R. Lagos, Marcelo A. Forgas, Vivian W.Y. Lee, Brian W.Y. Tomlinson, Zoltán Járαι, Dénes Páll, Arun More, Anuj Maheshwari, Narsingh Verma, Meenakshi Sharma, Tapan K. Mukherjee, Mansi Patil, Arun Pulikkottil Jose, Arun More, Anant Takalkar, Yuda Turana, Bambang Widiantoro, Siska S. Danny, Suhar Djono, Saskia D. Handari, Marihot Tambunan, Badai B. Tiksnadi, Eka Hermiawaty, Elham Tavassoli, Mahsa Zolfaghari, Eamon Dolan, Eoin O'Brien, Claudio Borghi, Claudio Ferri, Camilla Torlasco, Gianfranco Parati, Nwokocha CR, Magdalene I. Nwokocha, Elijah N. Ogola, Bernard M. Gitura, Anders L. Barasa, Felix A. Barasa, Anne W. Wairagu, Wafula Z. Nalwa, Robert N. Najem, Ali K. Abu Alfa, Hatem A. Fageh, Omar M. Msalam, Hawa A. Derbi, Kzaki A. Bettamar, Urte Zakauskiene, Alvita Vickiene, Jessica Calmes, Ala'a Alkerwi, Manon Gantenbein, Henry L.L. Ndhlovu, Jones K. Masiye, Maureen L. Chirwa, Nancy M. Nyirenda, Tiyezege D. Dhlamini, Yook C. Chia, Siew M. Ching, Navin K. Devaraj, Nouhoum Ouane, Tidiani Fane, Sudhir Kowlessur, Bhooshun Ori, Jaysing Heecharan, Luis Alcocer, Adolfo Chavez, Griselda Ruiz, Cutberto Espinosa, Enrique Gomez-Alvarez, Dinesh Neupane, Harikrishna Bhattarai, Kamal Ranabhat, Tara B. Adhikari, Sweta Koirala, Ibrahim A. Toure, Kabirou H. Soumana, Kolawole W. Wahab, Ayodele B. Omotoso, Mahmoud U. Sani, Njideka U. Okubadejo, Sunil K. Nadar, Hassan A. Al-Riyami, Mohammad Ishaq, Feroz Memon, Sualat Sidique, Hafeez A. Choudhry,

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## INCOME GENERATION/FUNDING

### Research Grants:

- **Prof. Dalip Ragoobirsingh.** US\$6945.46 – Post Graduate Research Award for Ms Allison Sugrim project, University of the West Indies Cave Hill Campus, entitled: Diabetes distress and its relationship to adherence to Medical regimens in Type 2 Diabetes Mellitus in a Caribbean population.

### Physical Therapy Clinic

- Therapeutic Massage Course. Use of Practical Rooms. TOTAL \$1,046,487

## MEMBER OF LEARNED SOCIETY

### Dr. Carron Gordon

Member, Jamaica Physiotherapy Association

### Dr. Sonja Williams

Member, Jamaica Physiotherapy Association

### Ms. Gail Nelson

Member, Jamaica Association of Sports Medicine



Member, Jamaica Physiotherapy Association

Associate Member, Caribbean Cardiac Society

**Ms. Gillian Hudson**

Member, Jamaica Physiotherapy Association

**Dr. Cameil Wilson-Clarke**

Anti-Cancer Research Jamaica Foundation (ACRJ)

American Association of Colleges of Pharmacy (AACP)

International Pharmaceutical Federation of (FIP)

American College of Clinical Pharmacists (ACCP)

Bioethics Society of the English-Speaking Caribbean (BSEC)

American Society of Health System Pharmacist (ASHP), USA

**Dr. Maxine Gossell-Williams**

American Association of Colleges of Pharmacy

**Dr. Valerie Kerr**

Pharmaceutical Society of Jamaica

**Mrs. Tracia Kennedy-Dixon**

American Pharmacists Association (APhA)

**PUBLIC SERVICE**

**Professor Paul Brown**

- Staff mentor, American Society for Microbiology (ASM)/UWI Student Chapter. Appointed June 2018
- President, WIGUT (Jamaica). Re-appointed April 2018
- Co-chair, Blue Book Committee, Since December 2018
- Co-chair, Career Path Review Group, Since February 2016
- Adjudicator, American International School of Kingston (AISK) Middle School Science Fair. April 2018
- Member, Research Subcommittee, International Society of Infectious Diseases. Terms: Oversight of ISID's research grants & awards and fellowship programs. Appointed February 2015
- External Examiner, Microbiology programme at University of Technology. Appointed September 2014

**Professor Helen Asemota**

- Ordained Pastor – Holiness Christian Church of Jamaica Denomination, serving as Senior Pastor at Open Heavens Branch. 2013 to date
- Education Committee Chairperson, International Proxy Parents (IPP). 2015–2016
- IMEKO Member of TC 19 Group. 2014 to date
- IMEKO Rep – Jamaica. 2015 to date
- Project Principal Investigator (PI) for 2016 Workshop Training on Plants DNA Fingerprinting, United Nations University Biotechnology Programme for the Caribbean & Latin American Countries (UNUBIOLAC). 2015–2016
- Rosetown Holiness Christian Church, Kingston – 50th Anniversary Recognition Award for 5th Church planted out of the Church Ministry. Feb. 9, 2019.

**Dr. Chukwuemeka R. Nwokocha**

- Volunteer at Hypertension and Cardiovascular Research Unit, and Global Health Initiative, Henry Ford Hospital Detroit Michigan USA (June–August 2017). Research and dissemination of data on Environmental influences on health.
- Member Board of Directors, Little Angels Prep School Portmore Jamaica.
- Country coordinator, International society of Hypertension, 2018 May Month measurement for blood pressure awareness and management.

**Dr. Rachael Irving**

- Committee Member: National Sports Museum chaired by Honourable Portia Simpson-Miller, former Prime Minister of Jamaica.

**Professor Dalip Ragoobirsingh**

- Diabetes Association of Jamaica (DAJ) – Consultant Diabetes Educator
- University Hospital of the West Indies (UHWI) – Consultant Diabetes Educator, Ministry of Health, Jamaica (MOH) – Panel member on Technical Advisory Committee, The Chronic Diseases and Injuries Unit, updating the National Guidelines for the management of diabetes.
- Pan American Health Organization Special Technical Committee to revise and update the nutrient requirements and recommended dietary allowances (RDAs) for the populations in the English speaking Caribbean.

**Dr. Lisa Lindo**

- American Friends of Jamaica (AFJ) / Sue Cobb Lecture Series-Chair
- Caribbean Academy of Sciences, Director- Treasurer
- Fulbright Alumni Association School's Outreach Association
- Sts. Peter and Paul Sunday School Activities

- Catholic School Ministry
- Member of the UWI Medical Cannabis Research Group (MCRG)
- Member of UWI Mona Mosquito Research Group

**Dr. Lauriann Young-Martin**

- Member of the Alzheimer's Association International Society to Advance Alzheimer's Research and Treatment (ISTAART)
- Founding Member of the Bioethics Society of the English Speaking Caribbean (BSEC)
- Member of the Women in World Neuroscience (WWN)
- Member of the Society for Neuroscience (SfN)
- Member of the International Brain Research Organization (IBRO)
- Lector and Member of the Liturgical Committee of Holy Cross Roman Catholic Church

**Dr. Icolyn Amarakoon**

- Member, Working Group Hazardous Waste Management Project
- Mentor, Future Leaders of Jamaica
- Member, Society for Scientific Advancement (SoSA)
- Member, Fulbright Alumni Association

**Prof. Jean-Pierre Louboutin**

- Member of Editorial Boards of 27 journals
- Reviewer of 60 peer-reviewed journals
- Reviewer of grants for Scientific Council of Romania (Young Investigators Awards in 2015)

**Dr. Audrey Jacob**

- Participated in the Read across Jamaica Day events at Immaculate Conception Preparatory School

**Dr. Carron Gordon**

- Member and Ministry Leader, Christian Life Fellowship Church
- Manuscript Reviewer: *Disability and Rehabilitation Journal*, *British Medical Journal* (*Open*)

**Ms. Gail Nelson**

- Member of the Philharmonic Orchestra of Jamaica (2013 - to present) – Violist; Board of Management

- Member, UWI Classical and Jazz Ensemble (2015 – to present)
- Accredited Local Preacher – Methodist Church in the Caribbean and the Americas
- Member Board of Management of the Philharmonic Orchestra of Jamaica (2015 –present)

**Dr. Sonja Williams**

- Member, Jamaica Physiotherapy Association
- Continued involvement in the exercise classes for older adults offered by the Mona Ageing Centre

**Ms. Gillian Hudson**

- Member, Jamaica Physiotherapy Association
- Consie Walters Cancer Care Centre Executive Member; Friends of Sir John Golding Rehabilitation Centre

**Dr. Jacqueline Campbell**

- Volunteer physician, Women's Health Network
- Member of Management Committee of the Caribbean Poison Information Network (CARPIN)

**Dr. Cameil Wilson-Clarke**

- Mentor, Future Leaders of Jamaica Foundation
- Member, Future Leaders of Jamaica Mentorship and Outreach Committee.
- Coordinator of the Pharmaceutical Society of Jamaica *ASTRA RUN* (5k Walk/Run)
- Organised Community Health Fairs (Free Clinics) for Ridge Community Annual Health Fair, St. Peter's Anglican Health Fair, Pharmaceutical Society of Jamaica Annual Week Health Fair
- Served on the Education Committee, National Kidney Foundation of Jamaica 2017: ACRJ Committee Member

**Dr. Valerie Kerr**

- Director, Joy Town Community Development Foundation
- Advisor, Board of Directors, Joy Town Learning Centre
- Volunteer, Covenant City Church Outreach Medical Team

**Mrs. Tracia Kennedy-Dixon**

- Volunteer Pharmacist – Community Health Fair of The FMS, UWI Mona in association with the Apostolic Intercessory Ministries in Port Maria, St. Mary on March 23, 2019

- Committee Member – University of the West Indies Sexual Health Awareness Initiative (UWISHAI)
- Committee Member – Pharmaceutical Society of Jamaica, Continuing Education and Training Committee
- Presentations on Nuclear Pharmacy– Jamaica Alumni Association of High Schools Education Fair, October 2018
- Immaculate Conception High School Medical Fair, November 2018
- Jamaica College Career Day, January 2019.

## **UNDERGRADUATE STUDENTS REGISTRATION**

### **BB Med Sci.**

Year 1 = 52

Year 2 = 26

Year 3 = 32

### **PHYL1010 (Human Physiology) Course**

65 Year 1 Physical Therapy & PharmD Students successfully completed the year-long course

### **BSc – Physical Therapy**

#### **Enrolment**

Year 1 = 44

Year 2 = 44

Year 3 = 41

**Total = 129**

#### **Graduated**

37 students graduated in October 2019 with the BSc Physical Therapy

## **POST GRADUATE STUDENTS REGISTRATION**

### **Taught Masters**

MSc Forensic Science = 23

MSc Biomedical Research = 6

MSc Physical Therapy = 3

## **POSTGRADUATE AWARDS**

- 2019 – The Most Outstanding Thesis Award (MOTA) for 2016/17 by Campus Committee for Graduate Studies and Research to Shadae Foster
- 2019 – University Diabetes Outreach Programme Conference – First Place Award for Outstanding Poster Presentation (April)
- 2019 – University Diabetes Outreach Programme Conference – Second Place Award for Outstanding Poster Presentation (April)
- 2018 – Scientific Research Council: The Young Scientist Award for Research to Shadae Foster.

## **VISITORS TO THE DEPARTMENT**

- The External Examiner for the Final Professional Examination held in July 2019 was Dr. Patricia Smith from the University of East London, UK
- Dr Cheryl Holder, Dr Andrea Raymond (Faculty), and students from Florida International University, (FIU) on collaborative visit, under the auspices of The International Society of Hypertension May Measuring Month. May 2019.

## **VISIT TO OTHER INSTITUTIONS**

- Dennie D, Fearon S, Louboutin JP. (Summer 2018). Gene Therapy Program. University of Pennsylvania, Philadelphia, PA, 19104, USA.

# DEPARTMENT OF CHILD AND ADOLESCENT HEALTH

**Dr. Roxanne Melbourne Chambers, MBBS (Hons), DM (Paeds) – Head of Department**



## **VISION**

All Caribbean children achieving optimal physical, socio-emotional and mental health thereby ensuring a healthy productive adult population.

## **MISSION**

To provide high quality child and family centered health care through service delivery, teaching and research.

## **WORK OF THE DEPARTMENT**

The Department of Child and Adolescent Health continues to strive towards excellence in clinical service, research, intellectual leadership, advisory and community services and training of undergraduate students and postgraduate doctors. The academic staff is comprised of four professors, three senior lecturers and three lecturers as well as six full-time associate lecturers (University Hospital of the West Indies). There are twenty-three associate lecturers in peripheral clinical training sites who support teaching of medical students in seven public hospitals. There are two members of administrative staff and one office attendant. In-patient clinical services are delivered through two paediatric medical wards and a newborn special care unit which includes a neonatal intensive care unit. Out-patient clinical services are delivered through general and sub-specialty clinics in adolescent medicine, cardiology, development and behaviour, endocrinology, haematology and oncology, infectious diseases, neonatology follow-up, nephrology, neurology, and pulmonology and a Paediatric Casualty.

The Department has been involved in collaborative research with other faculties of the University of the West Indies and several overseas institutions such as the University of Texas Health Sciences Center, Texas and Yale University. These partnerships have also afforded student exchanges and this academic year postgraduate



students pursued electives at Yale University and the University of Toronto – Hospital for Sick Children. Several members of the Department are involved in health promotion activities such as media presentations both print and electronic, community health fairs and presentations to the public. Members also demonstrated intellectual leadership through their involvement with several advisory boards.

The Department offers two undergraduate courses as part of the MBBS programme, the 4-week Junior Clerkship in Paediatrics (part of the Aspects of Family Medicine course) in year 3 of the MBBS programme and the 10-week Senior Clerkship in year 5 of the MBBS programme. There were 282 junior students and 301 senior students who completed the Child and Adolescent Health rotations over the last year.

There is a postgraduate programme in Paediatrics (Doctor of Medicine in Paediatrics) with students registered in Jamaica and in the Bahamas. There were 50 postgraduate students registered in the DM Paediatrics programme during the academic year 2018–2019. Thirty-five students were registered in Jamaica and 15 students were registered in the Bahamas. Eleven candidates sat the DM Part 2 final examination and 9 candidates sat the DM Part 1 examinations and all were successful. Ten candidates started the program on July 1st, 2019; 9 were registered in Jamaica and 1 was registered in the Bahamas.

The Department also offers a fellowship in Neonatology. Two candidates sat the Neonatology Fellowship examination in May/June 2019, one was successful. There is also the Post-graduate diploma in Loss Grief and Trauma Management. Five students completed the programme in 2018–2019 and 7 commenced the programme in September 2019.

Staff of the Department also teach courses in child and adolescent health related areas and provide research and clinical supervision to students enrolled in undergraduate programmes in Nursing and Midwifery and postgraduate programmes in Biomedical Research, Clinical Psychology, Education, Emergency Medicine, Epidemiology, Family Medicine, Nutrition and Public Health.

To assist in the delivery of clinical care and to ensure adequate security of the paediatric wards, the Department benefitted from donations of medical equipment and a security system throughout the year.

Donors included:

- The Church of Latter Day Saints – 1 incubator, 3 patient monitors and 2 infusion pumps
- Friends of the Special Care Nursery – 2 infusion pumps
- Fundaciones PreSchool, Kingston – Emergency kit
- Jamaica Kidney Kids Foundation – Dialysis catheters and supplies

- Shields Crime and Security Consultants – Security surveillance cameras and Buzzer assisted gate

## **ACCESS AND ALIGNMENT**

### **Students**

Efforts made to enhance the quality of teaching, learning and student development

#### **Undergraduate**

1. The Department of Child & Adolescent Health in collaboration with the Health Professions Unit (HPEU), FMS initiated a cross-disciplinary collaboration between Paediatrics and Family Nurse Practitioners (FNPs) to enhance the skills training for third year medical students rotating in the Junior Child Health Clerkship. The teaching/training skills of the FNPs were also optimized through training session by the HPEU and auditing of Child Health lectures. This skills training involved the use of low fidelity stimulation to enhance teaching. This allowed small group teaching in anthropometry, respiratory care and obtaining and interpreting patient vitals. The majority of students (82%) felt that the knowledge they acquired during the sessions could be applied during their clinical exposure.
2. To enhance the clinical skills training of medical students in both the Junior and Senior clerkships, the Department also acquired new equipment through a budgetary allocation from The UWI and a donation of two resuscitation dolls and other resuscitation equipment from the Royal Sick Childrens Hospital in Glasgow, Scotland.

#### **Postgraduate**

- Efforts made to improve the quality, quantity and appeal of Postgraduate academic programmes
1. Professor Russell Pierre, the University Examiner for the DM Paediatrics Programme facilitated and administered a Cross Campus Examiners Workshop on 7 June 2019 with the specific aim to develop a standardized blueprint for the DM Paediatrics Examination. The development of this blueprint has enhanced the harmonization of the DM Paediatrics Programme across the campus sites in the FMS.
  2. A new postgraduate Diploma in Adolescent Health and Advocacy programme has been approved. This programme is designed to improve the capacity of health and other allied service providers to understand and address the unique needs of adolescents. The programme will focus on empowering a spirit of advocacy within the student, to inform their decision-making skills and guide their delivery of optimal services to the adolescent and development of appropriate policies and

programs pertaining to adolescents. This training programme will be the first of its kind at the UWI to focus solely on the needs of the adolescent in a holistic fashion and will facilitate cross departmental, cross faculty and cross campus collaboration. The programme is congruent with the UWI's vision to advance regional integration while meeting the needs of a diverse group of students from the Caribbean region and will facilitate training of new and changing staff at varied levels within health, education, legal and social services to better meet the needs of the adolescent, so delivering care and services more efficiently.

## RESEARCH AND CONSULTANCY SERVICES

- Efforts made to increase governments' and industry's access to research output, to increase and improve research/industry partnerships and to improve the quality, quantity and impact of research
1. JAKIDS. JAKIDS is Jamaica's second national birth cohort study; Jamaica is one of few LMICs to conduct birth cohort studies of this nature. The JAKIDS study follows approximately 10,000 children; or 92% of all children born across Jamaica during the period July to September 2011. The study was designed to provide data on factors promoting and preventing optimum health development and behaviour in Jamaican children to the Ministries of Health, Education and Labour and Social Security. Representatives of these Ministries and other relevant Government of Jamaica entities (e.g. Registrar General's Department, NEPA) were represented on the project steering Committee to ensure that evidenced-based policy recommendations were transmitted immediately to the Government of Jamaica. Findings from the study were recently featured in the Ministry of Health 2019 "Vitals" publication. The study was funded primarily by the IDB, but also by UNICEF, the World Bank and other international entities, as well as the NHF. More than US\$2.1 million has been invested in the study to date. Further investments are anticipated.
  2. The Zika Action Research Group This research collaborative group of paediatricians, obstetricians, nurses, microbiologists, a psychologist and epidemiologists with Professor Celia Christie, as Chairperson, has membership from the Ministry of Health, the University Hospital of the West Indies, the Spanish Town Hospital, Bustamante Hospital for Children, Victoria Jubilee Maternity Hospital and five Antenatal clinics. The group's focus is on research on Zika and other arboviral infections to improve knowledge, health care delivery and outcomes of mothers, infants and children with these infections. This group represents the local arm of the Zika Global Research Alliance. To date, there have been 605 pregnant women enrolled from Jamaica and their delivering infants; seven peer-reviewed publications, one international poster, ten international oral presentations and three manuscripts submitted for publication, which all involved UWI partners from this group.

## OUTREACH

1. Perinatal Audit and Symposium. This was the eighteenth year of the Perinatal Audit and Symposium. This annual conference was held on the 23rd and 24th February 2019. This is a joint effort between the Departments of Obstetrics and Gynaecology and Child and Adolescent Health with external review of perinatal statistics by practitioners from external units. The theme was “Mental Health, Drugs and Infections in Perinatology”.
2. **Garbutt A.**
  - Continued Collaboration with the Autism Community providing resource and guidance. Presentation at their Parent Training 2019 Workshop June 12, 2019: Prevalence and Best Management Strategies in Autism Spectrum Disorder.
  - Collaboration with the Early Stimulation programme to assist in identifying appropriate placement for graduates

## AGILITY

- Efforts made to enhance the global presence of The University
1. A Special Issue of the *Journal of Psychology, Health and Medicine*, published by Taylor and Francis and dedicated to papers from the JAKIDS study was approved by the journal editors this year. The Special Issue is expected to include nine papers from the JA KIDS study.
  2. Research on Autism Spectrum Disorder, the single most common developmental disorder affecting young children, continued to be funded this year by the National Institutes of Health. This second NIH grant for research commenced in 2013 and ended in 2018; some US\$ 740,000 has been invested in this study. There have been 18 publications in international journals and 24 presentations at international conferences, from this research. Additional publications on autism from the Jamaica Autism Database has established Jamaica as a leader in autism research.
  3. Jamaica is one of the members of The Early Learning Partnership (ELP) Project, a multi-donor trust fund, administered by the World Bank. The ELP Systems Research Programme, the Jamaican component of which commenced in 2018 has objectives as follows:
    - (1) to provide policymakers with actionable information to help guide the delivery of quality, equitable early learning at scale
    - (2) to build the international evidence base in the new and emerging field of systems research in early childhood education.

The program seeks to generate knowledge on what works to remove institutional and systemic barriers to the provision of early childhood education at scale, and on what reforms could create the right institutional incentives to improve ECE provision.

Jamaica's record of early childhood service provision and research in early childhood education/development at the UWI was instrumental in being selected as part of this programme.

Phase I of this project has seen investment of just under US\$200,000.00, with further investment anticipated in Phase 2.

The UWI team works closely with GOJ ECD policy and implementation bodies, such as the Early Childhood Commission.

4. Professor Russell Pierre, Chairman of the Caribbean Association of Medical Councils (CAMC) Examination Committee is responsible for the administration of this the Caribbean Association of Medical Councils (CAMC) Licensing Examination biannually, on behalf of the FMS. The purpose of the examination is to determine eligibility for license to practice for medical graduates who originate from medical schools that are not accredited by the Caribbean Accreditation Authority for Education in Medicine and other Health Professions (CAAM-HP) but desire to practice within the CARICOM region. This consultancy has enhanced the credibility of the FMS, Mona in the region as a premier medical education institution, and provided annual income generation.
5. HIV/AIDS: Our faculty contributes internationally to the activities of the International AIDS Society (IAS), with Professor Russell Pierre, as a member of the Governing Council (GC) and Prof Celia Christie also as its Treasurer (after serving 8 years on the GC). The IAS comprises a membership of 11,035 multidisciplinary HIV professionals, from more than 160 countries working collaboratively at all levels of the global HIV response, including sponsorship of annual international conferences.
6. Arboviruses and Other Emerging Infections: Contributions are also being made to global leadership in evaluating the epidemiology and clinical features of perinatal and pediatric arbovirus infections through ZIKAction research initiatives, which is funded by the European Commission for 5 years. The UWI's Vice Chancellery hosted the "kick-off" meeting in October 2016. Participants include Prof Celia Christie, Professor Russell Pierre, Dr Roxanne Melbourne-Chambers and Dr Andrea Garbutt.
7. Collaborative contributions also include the 5-year, NIH-funded, Fogarty International Training grant for students in Virology.
8. Several other initiatives are being pursued with the NIH, including the UWI-led, multi-University collaboration for the "Jamaica Emerging Infectious Diseases

Research Center” and a “Clinical Trials Center” for the development of candidate arbovirus vaccines.

9. This has also been achieved through representation of various Department members on International research groups and councils.

**Christie CDC.**

- Member, Zika Action
- Special Project Lead – Collaboration between UWI and Yale University School of Medicine.
- Treasurer, International AIDS Society, Geneva, Switzerland
- Chair, Investments Committee, International AIDS Society, Geneva, Switzerland.
- Chair, Finance Committee, International AIDS Society, Geneva, Switzerland.
- Member, Governing Council of the International AIDS Society, Geneva, Switzerland
- Member, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society, Geneva, Switzerland
- Member, Research Grant Working Group, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society, Geneva, Switzerland
- Chair, “Pharmaceutical Industry Liaison Forum (ILF)” of the International AIDS Society (IAS)
- Fellow, Infectious Diseases Society of America, USA
- Fellow, Royal College of Physicians and Surgeons, Edinburgh, England
- Member, Paediatric Infectious Diseases Society of America, USA
- Founding Member, HIV Medicine Association of America, USA
- Member, International Association of Physicians in HIV/AIDS Care, USA

Member, International Society for Infectious Diseases, USA

**Garbutt A**

- Member, Zika Action

**Harrison A**

- Member, International Association for Adolescent Health
- Reviewer for abstracts/ workshop proposals for scientific meetings
- Annual Conference Society for Adolescent Health and Medicine (SAHM)
- Vice-President and founding member, Caribbean Association for Adolescent Health

**Melbourne Chambers R**

- Member, Zika Action

**Pierre R.**

- Member, Zika Action
- International AIDS Society IAS Governing Council 2016–2020: Latin America and Caribbean Representative with effect on 22 July 2016.

**Pottinger A.**

- External Mental Health Consultant, for the United Nations agencies in Jamaica (2018–present)
- American Psychological Association (APA) (1990–current)
- International Association for Counsellors (IAC) (2015–2018)

**Reece Mills M.**

- Member, The Sick Kids Caribbean Initiative

**Samms Vaughan M.**

- Chair, CARICOM Technical Working Group on Early Childhood / Child Development
- Member, IADB Early Childhood Advisory Group

**Thame M.**

- Member, The Sick Kids Caribbean Initiative
- Chair, Caribbean Public Health Agency (CARPHA), Research and Advisory Committee
- Co-Chair for the research team, Sick Kids-Caribbean Initiative for developing improved Care for children with cancers

**Trotman-Edwards H.**

- Member, Caribbean Public Health Agency (CARPHA) Ethics Committee

**HONOURS AND AWARDS****Christie CDC**

- 2018 – Order of Distinction, Commander Class, for Outstanding Service to Academic Medicine, Pediatric Infectious Diseases, Child Health and Public Health, National Honors and Awards Independence Day, by the Government of Jamaica.



- 2019 – Selected among “70+ Outstanding UWI Women”, representing UWI’s Graduating Class of 1979, to celebrate “UWI at 70” Exhibition Opening and Awards Ceremony, Institute of Gender and Development Studies, Regional Coordinating Center, Vice Chancellery-UWI.

#### **INVITED PROFESSIONAL AND ACADEMIC PRESENTATIONS**

- **Pierre RP, Moore JA, Christie CDC.** “Achieving the WHO’s “90-90-90” objectives in a Paediatric and Adolescent HIV/AIDS cohort”, University Hospital of the West Indies, Jamaica. Caribbean Adolescent Health Congress, Trinidad, 2019.
- **Orrigio K. Pierre RB, Gordon-Harrison D., Lewis-O’Connor K., Gordon-Strachan G., Christie CDC.** “Clinical Epidemiology of Sexually-acquired HIV/AIDS in Jamaican Children and Youth”. Caribbean Adolescent Health Congress, Trinidad, 2019.
- **Christie CD.** “Financial update – International AIDS Society”. Governing Council, International AIDS Society and Annual Members Meeting, International AIDS Society, Mexico City, Mexico, July 2019.
- **Christie CDC.** “ZIKA in Pregnancy and Children in Jamaica”. Medical Association of Jamaica Annual Conference. Jamaica Pegasus Hotel, 18 June, 2019.
- **Christie CDC.** “The International Pentavalent Rotavirus Vaccine Trial in Jamaica: Surviving an FDA Audit.” CAIHR/ TMRI/ SS Unit, UWI, Mona. 27 May, 2019
- **Christie CDC.** “ZIKA in Pregnancy and Children in Jamaica”. Yale University School of Medicine, Division of Pediatric Infectious Diseases, New Haven, CT, USA 18 April, 2019.
- **Christie CDC.** “Pneumococcal Vaccines Update”. Paediatric Association of Jamaica Biennial Conference, Spanish Court, Kingston, Jamaica. 22 March, 2019.
- **Christie CDC.** “HIV/ Syphilis/ Arbovirus Perinatal Infections”. Perinatal Conference, UWI, 20 February, 2019.
- **Christie CDC.** “There is Safety in Numbers: Vaccines and the Re-emergence of Vaccine Preventable illnesses”. Paediatric Association of Jamaica Conference, UWI, Faculty of Medical Sciences, UWI, Mona.
- **Christie CD.** “Financial update – International AIDS Society”. Governing Council, International AIDS Society, Annual Retreat, Geneva, Switzerland, December 2018;
- **Christie CD.** Invited speaker. Commitments of the International AIDS Society’s (IAS), Collaborative Initiative for Paediatric HIV Education and Research (CIPHER) and its Industry Liaison Forum (ILF) contributions to the Global Accelerator for Paediatric Formulations (the GAP-f), during the session, on

- “Solutions and Actions on Treatment: Financing Research & Development, Introduction, and Scale-up of Priority Drugs and Formulations”, at the Vatican’s High Level Dialogue on Paediatric AIDS, at the Vatican Pontificate for the Academy of Sciences and Human Development, Vatican City, Rome, December 7, 2018.
- **Christie CD.** Invited speaker. Commitments of the International AIDS Society’s (IAS), Collaborative Initiative for Paediatric HIV Education and Research (CIPHER), Global Cohort Collaboration of over 220,000 children and adolescents with HIV/AIDS, during the session on, “Solutions and Actions on Treatment: Uptake of New Optimal Drugs and Formulations”, at the Vatican’s High Level Dialogue on Paediatric AIDS, at the Vatican Pontificate for the Academy of Sciences and Human Development, Vatican City, Rome, December 7, 2018.
  - **Christie CD, Anzinger J, Thorne C.** “ZIKAction - Vertical Transmission Protocol In Action – Jamaica”, Third ZIKAction Consortium Conference, Rio de Janeiro, Brazil, November 2, 2018.
  - **Harrison A, Gordon-Strachan G, James C, Morgan R, Chambers J, Campbell-Forrester S, Pierre R.** Impact of an Adolescent Health Training Workshop on Healthcare Providers’ Knowledge, Attitudes and Practices. Ministry of Health 9th Annual National Health Research Conference, Kingston, Jamaica. November 22, 2018.
  - **Harrison A, Tyrill C.** Are Jamaican adolescents getting the health information they need? ISPCAN Caribbean Conference 2018. Montego Bay, Jamaica. December 3, 2018.
  - **Harrison A.** Disordered Eating Behaviours in the Adolescent. Dr. Leila Wynter Commemorative Conference, Bustamante Hospital for Children. November 5, 2018.
  - **Harrison A.** Communicating with Adolescents and Health Screening. 8th Annual National Adolescent Health Workshop, Melia Braco Village, Trelawny, Jamaica. November 2018.
  - **Harrison A.** Nutrition in Adolescence – finding the balance. 8th Annual National Adolescent Health Workshop, Melia Braco Village, Trelawny, Jamaica. November 2018.
  - **Harrison A.** Approaches to Management in adolescent health care. 8th Annual National Adolescent Health Workshop, Melia Braco Village, Trelawny, Jamaica. November 2018.
  - **Harrison A.** Strategies to build resilient children and adolescents. Caribbean College of Family Physicians. Paediatrics workshop, Alhambra Inn, Kingston. January 27, 2019.

- **Harrison A.** The Adolescent Mind. National Family Planning Board Workshop. Melia Braco Village, Trelawny. March 20, 2019.
- **Harrison A.** Presentation on HPV vaccines at Town Hall meeting (organized by Ministry of Health) at Webster Memorial Church. October 2018.
- **Graham LN, Melbourne-Chambers R, Gossell-Williams M, Tapper J.** Sleep and Behaviour in Jamaican Children With Epilepsy: A Case-Control Study. Poster Presentation. American Epilepsy Society Annual Meeting 2018, New Orleans, Louisiana. December 2018.
- **Pierre RB,** “Teens with Chronic Illness”. Presented (invited platform presentation) at the 8th Annual National Adolescent Health Workshop: “The Adolescent Patient” by The Ministry of Health, Jamaica in collaboration with the University of the West Indies, November 23–25, 2018, Melia Braco Village, Trelawney, Jamaica.
- **Pierre RB,** “HIV related kidney disease in Jamaican children”. Presented (invited platform presentation) at the 3rd Jamaican Paediatric Nephrology Conference 2018, “What’s New in Paediatric Nephrology and Urology”, Knutsford Court Hotel, Kingston, Jamaica, October 21, 2018.
- **Pierre RB,** “Sepsis – a time sensitive approach”. Presented (invited platform presentation) at the 3rd Western 3rd Western Paediatric Symposium 2018, August 11–12, 2018, Savanna-la-mar, Jamaica.
- **Pierre RB,** “Arboviral infections in Children: The old mixed with the new”. Presented (invited platform presentation) at the 3rd Western 3rd Western Paediatric Symposium 2018, August 11–12, 2018, Savanna-la-mar, Jamaica.
- **Christie CDC, Pierre RB,** “Paediatric and Perinatal HIV/AIDS in Jamaica”. Presented (invited platform presentation) at the 3rd Western 3rd Western Paediatric Symposium 2018, August 11–12, 2018, Savanna-la-mar, Jamaica.
- **A Gordon Stair and AM Pottinger, V Olivetto.** “Community-based Psychosocial Support, Training of Trainers”. Workshop for mental health practitioners from British-Caribbean territories, Jamaica Red Cross /British Red Cross, Jewel Resort Hotel, Ocho Rios, Jamaica, July 1–6, 2019
- **Lee M. J., Samms-Vaughan, M.** Bressler, J., Christian, M., Hessabi, M., Grove, M. L., Shakespeare-Pellington, S., Coore Desai, C., Reece, J-A., Loveland, K. A., Boerwinkle, E., Rahbar, M. H. A generalized weighted quantile sums approach that accounts for interaction between mixtures of highly correlated exposures and other factors. Submitted for presentation at the 2018 Joint Statistical Meeting in Vancouver, Canada, July 28–August 2, 2018.
- **Rahbar, M. H., Samms-Vaughan, M.,** Lee, M., Zhang, J., Bach, M. A., Bressler, J., Hessabi, M., Grove, M. L., **Shakespeare-Pellington, S.,** Beecher, C., McLaughlin,

- W., Loveland, K. A. Interaction between a Mixture of Heavy Metals (Lead, Mercury, Arsenic, Cadmium, Manganese, Aluminum) and GSTP1 in Relation to Autism Spectrum Disorder. 2019. Montreal, QC, Canada. INSAR 2019 Annual Meeting (formerly IMFAR), May 1–4, 2019.
- Bach, M. A., **Samms-Vaughan, M.**, Hessabi, M., Bressler, J., **Shakespeare-Pellington, S.**, Grove, M. L., Loveland, K. A., Rahbar, M. H. Association of Polychlorinated Biphenyls and Organochlorine Pesticides with Autism Spectrum Disorder in Jamaican Children. 2019. Montreal, QC, Canada. INSAR 2019 Annual Meeting (formerly IMFAR), May 1–4, 2019.
  - Saroukhani, S., **Samms-Vaughan, M.**, Lee, M., Bach, M. A., Bressler, J., Hessabi, M., Grove, M. L., **Shakespeare-Pellington, S.**, Loveland, K. A., Rahbar, M. H. Perinatal Factors Associated with Autism Spectrum Disorder in Jamaican Children. 2019. Montreal, QC, Canada. INSAR 2019 Annual Meeting (formerly IMFAR), May 1–4, 2019.
  - Saroukhani, S., **Samms-Vaughan, M.**, Lee, M., Bach, M. A., Bressler, J., Hessabi, M., Grove, M. L., **Shakespeare-Pellington, S.**, Loveland, K. A., Rahbar, M. H. The Possible Modifying Effect of Maternal Age on the Association between Breastfeeding and Autism Spectrum Disorder in Jamaican Children. 2019. Montreal, QC, Canada. INSAR 2019 Annual Meeting (formerly IMFAR), May 1–4, 2019.
  - Rahbar, M. H., **Samms-Vaughan, M.**, Lee, M., Christian, M. A., Bressler, J., Hessabi, M., Grove, M. L., **Shakespeare-Pellington, S.**, **Coore Desai, C.**, **Reece, J. A.**, Loveland, K. A., Beecher, C., McLaughlin, W., Boerwinkle, E. Interaction between manganese and GSTP1 in relation to autism spectrum disorder while controlling for exposure to mixture of lead, mercury, arsenic, and cadmium. 2019. Washington, D.C. Translational Science 2019 Meeting, March 5–8, 2019.

## PUBLICATIONS

### Refereed Journal Articles

- Flavia DeSouza, Elijah Paintsil, Teisha Brown, **Russell Pierre**, Danya Keene, Nancy Kim & **Celia Christie** (2019) Transfer is not a transition – voices of Jamaican adolescents with HIV and their health care providers, *AIDS Care*, 31:3, 293–297, DOI: 10.1080/09540121.2018.1533226
- Carvalho A, **Evans-Gilbert T.** The Pathophysiology of Marijuana-induced Encephalopathy and Possible Epilepsy after Ingestion in Children: A Case Series. *Innov Clin Neurosci*. 2019 Mar 1;16(3-4):16–18.

- **Evans-Gilbert T**, Kasimbie K, Reid G, Williams SA. Psychosocial outcomes in a cohort of perinatally HIV-infected adolescents in Western Jamaica. *Paediatr Int Child Health*. 2018 Aug;38(3):175–180.
- **Melbourne-Chambers R, Weller A, Thame M**. The Doctor of Medicine (Paediatrics) Programme at The University of the West Indies, Mona at 45 years, 1972–2017. *West Indian Med J* 2018; 67 (5): 383
- Graham L, Gossell-Williams M, **Tapper J, Melbourne-Chambers R**. Sleep disorders and behavioral disorders in Jamaican children with epilepsy: A case–control study. *Epilepsy & Behavior* Volume 99, October 2019, 106477<https://doi.org/10.1016/j.yebeh.2019.106477>. Accepted July 2019
- Carroll, K, **Pottinger, AM** and Wynter, S. Marijuana use and its influence on sperm morphology and motility: identified risk for fertility among Jamaican men. *Andrology*. 2019. DOI: 10.1111/andr.12670 (in press)
- **Pottinger AM**, Carrol, K. Reproductive needs of PLHIV in Jamaica: relationship between fertility desire, motives and depression. *Journal of Reproductive and Infant Psychology*. 2019; <http://dx.doi.org/10.1080/02646838.2019.1599334> (in press)
- Gibson TN, Beeput S, Gaspard J, George C, Gibson D, Jackson N, Leandre-Broome V, Palmer-Mitchell N, Alexis C, Bird-Compton J, Bodkyn C, Boyle R, **McLean-Salmon S, Reece-Mills M**, Quee-Brown CS, Allen U, Weitzman S, Blanchette V, Gupta S. Baseline characteristics and outcomes of children with cancer in the English-speaking Caribbean: A multinational retrospective cohort. *Pediatr Blood Cancer*. 2018 Dec;65(12):e27298. doi: 10.1002/pbc.27298. Epub 2018 Aug 9.
- Christian MA, **Samms-Vaughan M**, Lee M, Bressler J, Hessabi M, Grove ML, **Shakespeare-Pellington S, Coore Desai C, Reece JA**, Loveland KA, Boerwinkle E, Rahbar MH. Maternal Exposures Associated with Autism Spectrum Disorder in Jamaican Children. *J Autism Dev Disord*. 2018 Aug;48(8):2766–2778.
- Lee M, Rahbar MH, **Samms-Vaughan M**, Bressler J, Bach MA, Hessabi M, Grove ML, **Shakespeare-Pellington S, Coore-Desai C, Reece J-A**, Loveland KA, Boerwinkle E. A generalised weighted quantile sum approach for analyzing correlated data in the presence of interactions. *Biometrical Journal* 2019;61; 934–954.
- Rahbar MH, **Samms-Vaughan M**, Lee M, Christian MA, Bressler J, Hessabi M, Grove ML, **Shakespeare-Pellington S, Coore-Desai C, Reece J-A**, Loveland KA, Beecher C, McLaughlin W, Boerwinkle E. Interaction between manganese and GSTP1 in relation to autism spectrum disorder while controlling for exposure to a mixture of lead, mercury, arsenic and cadmium. *Research in Autism Spectrum Disorders* 2018; 55:50-63.

- Gray PB, Reece JA, Coore-Desai C, Dinnall-Johnson T, Pellington S, Bateman A, Samms-Vaughan M. Patterns and predictors of depressive symptoms among Jamaican fathers of newborns. *Soc Psychiatry Psychiatr Epidemiol.* 2018 Oct;53(10):1063-1070. doi: 10.1007/s00127-018-1566-2. Epub 2018 Jul 30. PubMed PMID: 30062481
- Livingstone-Sinclair K, Scott C, Trotman H. Adherence to health management guidelines for children with Down's syndrome at the Bustamante Hospital for Children, *Jamaica Trop Doct.* 2018 Oct;48(4):301–305. doi: 10.1177/0049475518788468. Epub 2018 Aug 16.
- McKenzie KA, Trotman H. A Retrospective Study of Neonatal Outcome in Preeclampsia at the University Hospital of the West Indies: A Resource-limited Setting. *J Trop Pediatr.* 2019 Feb 1;65(1):78-83. doi: 10.1093/tropej/fmy014
- Willis R, Heslop O, Bodonaik N, Thame M, Smikle M. Morbidity, mortality and antimicrobial resistance of pneumococcal infections in the Jamaican paediatric and adult populations. *Hum Antibodies.* 2019 Mar 13. doi: 10.3233/HAB-180361. [Epub ahead of print]
- Willis R, Smikle M, Heslop O, Bodonaik N, Thame M, Kumar U, Aung M, Kellier A, Drysdale S, Leon V. Pneumococcal disease burden, clinical presentations and vaccine coverage in the Jamaican population. *Hum Antibodies.* 2018;26(4):193–199. doi: 10.3233/HAB-180338.

#### Non Peer-Reviewed

- Christie CD. ZIKAction Vertical Transmission Study in Jamaica – Update. ZIKAction International Electronic Newsletter, Summer, 2019.
- Chakravorty.I, Christie CD, Poonking R. “Quality Assurance Report, Department of Clinical Medical Sciences”, St Augustine Campus, UWI, Trinidad, commissioned by UWI Vice Chancellery.
- Christie CD. “Emerging arboviruses – ZIKA, Chikungunya and Dengue and their effects in pregnancy, infancy and childhood in Latin America and the Caribbean”. Research for Development Book, Research Day, UWI – Mona Campus, to celebrate 70th Anniversary celebrations of the UWI.
- Christie CDC. “Measles – a Vaccine Preventable Disease”. Published in “Jamaica Gleaner”, for Child's Month, May, 2019, Special issue from Paediatric Association of Jamaica.
- Pierre R, Editor. Medulink: One Faculty, One UWI. Issue 2, June 2018. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: [https://sta.uwi.edu/fms/sites/default/files/fms/documents/Medulink\\_2018\\_June.pdf](https://sta.uwi.edu/fms/sites/default/files/fms/documents/Medulink_2018_June.pdf)

- **Russell Pierre**, Michael Branday, Tomlin Paul. Educating ALL in the Faculty of Medical Sciences, Mona Medical Education Unit to Health Professions Education Unit. Medulink: One Faculty, One UWI. Issue 3, December 2018. pp 6-7. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1V1maLgIDMYLr8vAp5F7wNR68ycXklfnj/view>
- Tomlin Paul, Thaon Jones, **Russell Pierre**. 'Tis the Season for Quality Assurance, Mona. Medulink: One Faculty, One UWI. Issue 3, December 2018. pp 11. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies; available at: <https://drive.google.com/file/d/1V1maLgIDMYLr8vAp5F7wNR68ycXklfnj/view>
- **Andrea Garbutt**, Heather Silvera, Veroína Deslandes, Jacqueline Garvey, **Russell Pierre**. An Interprofessional Collaboration of Nursing and Medicine at Mona; Low Fidelity Simulation-Enhanced Teaching and Learning in Child Health. Newsletter on Medical Education for the Faculty of Medical Sciences, the University of the West Indies. pp 17–18; available at: <https://drive.google.com/file/d/1V1maLgIDMYLr8vAp5F7wNR68ycXklfnj/view>

#### PUBLICATIONS (ABSTRACTS)

- **M. Reece-Mills**, C. Alexis, U. Allen, C. Bodkyn, J. Bird, R. Boyle, S. de Young, B. Fleming-Carroll, T. Gibson, S. Gupta, P. Ingram-Martin, J. Knight-Madden, **S. McLean-Salmon**, M. Manley, I. Odame, S. Read, C. Sin Quee-Brown, B. Smith, **M. Thame**, H. Warner, G. Wharfe, D. Williams, and V. Blanchette. SickKids-Caribbean Initiative: collaborating to improve the diagnosis and care of children with cancer and serious blood disorders in the Caribbean. Presented at the American Society of Hematology. Blood Advances 2017; DOI 10.1182/bloodadvances.2017GS99978.
- Trevor S. Ferguson, Tamika Y. Royal-Thomas, Lisa Chin-Harty, **Minerva M. Thame**, Terrence E. Forrester, Michael S. Boyne, Rainford. J. Wilks. Effect of linear growth rate and change in adiposity in childhood and adolescence on blood pressure in Afro-Caribbean youth: The Vulnerable Windows Cohort Study. Journal of Developmental Origins of Health and Disease, <https://doi.org/10.1017/S2040174417000848> Published.



## INCOME GENERATION

### Research Grants

#### *Research Grant Funding*

The Department of Child and Adolescent Health was able to secure research grant funding through the following:

#### **P.I. Christie CD**

Title: Addressing the urgent research gaps against the Zika virus and other emerging threats in Latin America, SC1-PM-22-2016. Leader of WP1 – Vertical Transmission of ZIKV

Source: European Commission and Paediatric European Network for Treatment of AIDS (PENTA) Foundation

Grant Period: 2016 to 2021 (five years).

**Total grant amount: 924,121.81 Euros**

#### **Christie CDC: Co-investigator, (P.I. Gene Morse)**

Source: National Institutes of Health, USA

Title: “Fogarty International Training and Research in Virology at UWI”, collaborating with University of Buffalo, New York, USA

Grant period: 5 years, began 2018.

Grant amount: Funded for US\$1.1 Million to UWI

#### **P.I.: Michelle Reece-Mills**

Co-Investigator: M.Thame, A. Badaloo

Source: International Atomic Energy Agency (IAEA), Vienna

Title: Association between body composition and treatment outcome in Jamaican children with haematological malignancy

Funds: 50,000.00

#### **P.I. M. Samms-Vaughan**

Title: Evaluation of Early Childhood Learning Environments

Source: Inter-American Development Bank

Grant Period: 14/08/2014-13/08/2016 (extended to August 2018)

**Total grant amount: US \$1, 000,000.00 (Counterpart funding additional US200, 000.00)**



**P.I.: M. Samms-Vaughan**

Source: The World Bank

Title: ELP Systems Research on Early Childhood Development in Jamaica,

Grant Period: 23/08/2018-30/08/2019

Total cost: US \$199,970.00

**CONSULTANCIES/ COLLABORATIONS/ OTHER SCHOLARLY ACTIVITY:**

- Chakravorty.I, **Christie CD**, Poonking R. Quality Assurance Report, Department of Clinical Medical Sciences, St Augustine Campus, UWI, Trinidad, commissioned by UWI Vice Chancellery.
- **Christie CD**. Member, UWI's Regional ZIKA V Task Force, "One Environment – One Health", Representing Paediatrics and Mother to Child Transmission, inaugural Conference in Barbados. Appointed by the Vice Chancellor, UWI.
- **Christie CD** .Treasurer, International AIDS Society
- **Christie CD**. Member, Governing Council of the International AIDS Society
- **Christie CD**. Member, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society
- **Christie CD**. Member, Research Grant Working Group, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society
- **Christie CD**. Chair, "Rethinking the Pharmaceutical Industry Liaison Forum (ILF)" of the International AIDS Society (IAS)
- **Christie CD**. Fellow, Infectious Diseases Society of America,
- **Christie CD**. Member, Pediatric Infectious Diseases Society of America
- **Christie CD**. Founding Member, HIV Medicine Association of America
- **Christie CD**. Member, International Association of Physicians in HIV/AIDS Care
- **Christie CD**. Member, International Society for Infectious Diseases
- **Christie CD**. Director, Jamaica's National Program for the Elimination of Congenital HIV/AIDS and Syphilis and JaPPAAIDS
- **Christie CD**. Senior Member, Elimination of Mother to Child Transmission (eMTCT) of HIV and Syphilis, Oversight Committee and its many Subcommittees, eg., Database, Cascade for pMTCT Syphilis
- **Christie CD**. Member, *West Indian Medical Journal*, Editorial Board

- **Christie CD.** Special Project Lead – Collaboration between UWI and Yale University School of Medicine.
- **Crosdale B.** Member, Maternal and Perinatal Health Committee, Family Health Service Unit, Health Service Planning and Integration, Ministry of Health
- **Crosdale B.** Member – Serious Case Review Panel, Child Protection and Family Service Agency
- **Evans Gilbert T.** Floor member Paediatric Association of Jamaica
- **Evans Gilbert T.** Consultant Paediatrician Caribbean Immunization Technical Advisory Group (CITAG) Inaugural meeting held at the 33rd Caribbean EPI Managers' Meeting – Trinidad, 26–28 February 2018
- **Evans Gilbert T.** Representative of CITAG at World Health Organization Strategic Group of Experts(SAGE) meeting on Immunization April 17–19, 2018 Geneva Switzerland
- **Evans Gilbert T.** Consultant Paediatrician Ministry of Health for update of Paediatric Chapters of the National TB Manual, and National Prevention of Mother to Child Transmission of HIV and Syphilis manual
- **Evans Gilbert T.** Consultant Paediatrician Ministry of Health Island-wide training on updates in National Prevention of Mother to Child Transmission of HIV and Syphilis manual
- **Garbutt A.** President, Paediatric Association of Jamaica, 2019–present
- **Gooden M.** Executive member, Paediatric Association of Jamaica, 2017–present
- **Harrison A.** Immediate Past President, Paediatric Association of Jamaica, 2019–present
- **Harrison A.** Member, International Association for Adolescent Health
- **Harrison A.** Reviewer for abstracts/ workshop proposals for scientific meetings
- **Harrison A.** Annual Conference Society for Adolescent Health and Medicine (SAHM). 2017 – present.
- **Harrison A.** Vice-President and founding member, Caribbean Association for Adolescent Health
- **Harrison A.** Director, Board of Directors, National Family Planning Board. 2017–present
- **Harrison A.** Member, Adolescent Policy Working group – Ministry of Health, Jamaica
- **Harrison A.** Reviewer for journal – *PLOS One*
- **Harrison A.** Reviewer for journal – *West Indian Medical Journal*

- **Melbourne-Chambers R.** Manuscript Reviewer, *Epilepsy and Behavior Journal*, 2018.
- **Melbourne-Chambers R.** Member, Expert Group on Children of Mothers with Suspected/Confirmed ZikV Infection – Ministry of Health, Jamaica.
- **Melbourne Chambers R.** Abstract Reviewer. 2nd ISPCAN Caribbean Regional Conference. December 2–5, 2018. Montego Bay, Jamaica.
- **Pierre R.** Pan Caribbean Partnership Against HIV and AIDS (PANCAP): Sub-regional Consultation “National Action Towards The Elimination of STIs & Viral Hepatitis in the Caribbean”, in collaboration with Pan American Health Organisation, May 21–23, 2018, Hyatt Regency, Trinidad.
- **Pierre R.** Pan Caribbean Partnership Against HIV and AIDS (PANCAP): Workshop “Enhancing and Innovating Comprehensive HIV/STI Services for adults and adolescents of Key Populations”, in collaboration with Pan American Health Organisation, May 24–25, 2018, Hyatt Regency, Trinidad.
- **Pierre R.** Caribbean Accreditation Authority for Education in Medicine and Other Health Professions (CAAM-HP) Consultancy-Review Team for accreditation review of Queens University College of Medicine, completed July 31, 2018.
- **Pierre R.** International AIDS Society IAS Governing Council 2016–2020: Latin America and Caribbean Representative with effect on 22 July 2016.
- **Pierre R.** Abstract reviewer: for the 22nd International AIDS Conference (AIDS 2018) 23–27 July 2018 Breaking Barriers-Building Bridges, Amsterdam, Netherlands.
- **Pierre R.** Abstract reviewer: for the 27th Faculty of Medical Sciences Annual Research Conference & Workshops, November 8–11, 2018, Kingston, Jamaica.
- **Pierre R.** Caribbean Association of Medical Councils Examination – Chairman of committee to implement examination on behalf of the Faculty of Medical Sciences: from January 2007.
- **Pottinger A.** Consultant, UN Stress Counsellor, United Nations agencies in Jamaica, United Nation Department of Safety and Security; Responsible for developing a sustainable stress management programme for the 17 UN offices operating in Jamaica.
- **Samms Vaughan M.** Chair, CARICOM Technical Working Group on Early Childhood / Child Development.
- **Samms Vaughan M.** Chair, National ECD Oversight Committee.
- **Samms Vaughan M.** Member, IADB Early Childhood Advisory Group.
- **Thame M.** Member, UHWI representative Medical Review Panel, MOH.
- **Thame M.** Chair, Caribbean Public Health Agency (CARPHA), Research and Advisory Committee.

- **Thame M.** One of the lead physicians for the Sick Kids-Caribbean Initiative for developing improved Care for children with cancers.
- **Thame M.** Co-Chair for the research team, Sick Kids-Caribbean Initiative for developing improved Care for children with cancers.
- **Thame M.** Team Chair for the CAAM–HP Accreditation team for: Site visit to Spartan Health Sciences University School of Medicine Clinical sites in Las Vegas, Chicago. March 2019.
- **Thame M.** Director, Jamaica Kidney Kids Foundation (JKKF).
- **Thame M.** Academy of Medical Educators. Admission as a Fellow of the Academy of Medical Educators FAcadMed Sept 2018.
- **Trotman-Edwards H.** Member of the Caribbean Public Health Agency (CARPHA) Ethics Committee.

## **PUBLIC SERVICE**

### **Samms Vaughan M.**

- Chair, CARICOM Technical Working Group on Early Childhood/Child Development
- Chair, National ECD Oversight Committee
- Member, IADB Early Childhood Advisory Group
- Director, Usain Bolt Foundation
- Director, Family Life Ministries
- Director, Vaz Preparatory School Board
- Director, Promise Learning Centre Board

### **Thame M.**

- Director, Jamaica Kidney Kids Foundation (JKKF)

### **Gabay L.**

- Co-Founder and Medical Director, Camp Yellow Bird for children with diabetes.

### **Melbourne-Chambers R.**

- Volunteer Physician – St. Luke's Church Health Fair, 1999–present

### **Pottinger AM.**

- Chair of Steering Committee and Coordinator of Church-site Counselling Initiative (CSCI); a partnership between ecumenical group of churches and

mental health professionals; responsible for developing counselling sites throughout the island and expanding access to mental health counselling

- Member, University Council of Jamaica, Psychology and Counselling Standards Setting Committee; responsible for developing and setting standard practices and guidelines for Undergraduate and Graduate programmes in Psychology and Counselling.

**Harrison A.**

- Director, Board of Directors, National Family Planning Board, 2016–present.



## DEPARTMENT OF COMMUNITY HEALTH & PSYCHIATRY

Professor Wendel Abel, JP., OD, MB., BS., DM., MPH, Dip Psyche.  
– Head of Department

### WORK OF THE DEPARTMENT

This is an opportunity to highlight our achievements. Through our functional units, Public Health, Family Medicine and Psychiatry and the affiliate Mona Ageing & Wellness Centre the department continued to provide undergraduate and postgraduate instructions. Additionally, clinical services were delivered through the Hermitage August Town Community Health Centre, and mental health services through the Department of Psychiatry, the University Hospital of the West Indies. Increased efforts were made to realign our strategic objectives with the Triple A Strategy of the University of the West Indies in key areas:

#### **Improvement in the quality, teaching, learning and student development**

Several initiatives were implemented to enrich the teaching and learning environment; through improvement in the teaching infrastructure and the acquisition of a new vehicle for the transportation of students on site visits. In collaboration with the Dean's office and The Department of Modern Languages and Literature, Dr Colette Cunningham-Myrie played a major role in the development of the "Spanish for Medical Students".

#### **Enhancing research in the department**

There are several active research groups; Alcohol and Substance Abuse, Ageing, Mental Health, Chronic Disease Research and Research in Reproductive Health Behaviour. We continued collaboration with the Psychology Unit and with partners from several institutions. Several faculty received awards in acknowledgment of their contribution to research and scholarship: Professor Jackson – The Principal's Award for Best Research Publication for the Faculty, Dr. Tana Ricketts-Roomes – Outstanding Researcher, Graduate Studies, UWI, Research Day, 2019.

**Promotion of greater activism and advocacy**

The programme the Partnership for the Promotion of Patients' Rights saw the scaling up of activities in advocacy in public health and social activism. Professor McCaw-Binns translated her work in maternal and child health in advocating for sexual and reproductive rights. The team in Psychiatry continued their work in mental health advocacy and the environmental group in workplace health. Dr Tina Hylton-Kong continued her collaboration with the Ministry of Health & Wellness in training contact investigators and an advisory role in HIV management and the elimination of mother – child transmission of HIV, Hepatitis and Syphilis.

**Contribution of to a cohesive single UWI:** Efforts were made in standardization and harmonization of the undergraduate curricula and several faculty have been participating in this process. Similarly, greater strides have been made in the standardization and harmonization of the DM Psychiatry programme which also underwent a quality review.

**Contribution to the financial health:** The department generated funds through grants and the four self-financing programmes.

**Staff Development:** Retreat was conducted for the undergraduate team and a customer training exercise was done for the staff working in the health centre. Dr Colette Cunningham – Myrie and Dr. Julian McCoy-Davis received a Doctorate in Public Health and a PhD. Public Health, respectively. Dr. Norbert Campbell successfully defended his PhD thesis during the academic year.

**Digital Transformation of the Department:** The IT server was fully implemented and so was the online learning platform to enhance our capacity to deliver the graduate programmes.

**Global Impact:** Professor Figueroa was recognised by the World Health Organization as a Global Health Leader in Public Health. Professor McCaw Binns was appointed by PAHO/WHO to represent the Regions of the Americas on a Technical Advisory Committee, “Mother and Newborn Information for Tracking Outcomes and Results (MONITOR)” which will develop and review progress on SDG maternal and child health indicators.

**ACADEMIC PROGRAMMES****The Undergraduate Programmes**

Undergraduate courses to medical and dental students and clinical training to medical students in community health (years 3, 4, 5) and psychiatry (years 3, 4).



### The Graduate Programmes

- Graduate programmes in Public Health, Family Medicine, Psychiatry and Psychology.

#### MPhil /PhD (Public Health)

#### The Doctorate in Public Health (DrPH)

**Master of Public Health:** Includes a general degree and three specialty tracks (gerontology, health education/health promotion or health management).

**Family Medicine:** Offers a Diploma in Family Medicine and a four-year Doctor of Medicine (DM). Actively involved in the teaching of Family Medicine in the undergraduate medical programme.

**The Doctor of Medicine (DM) Psychiatry:** A 4-year clinical programme in Psychiatry.

**Masters in Clinical Psychology:** A joint programme delivered in conjunction with the Psychology Unit.

### PAPERS PRESENTED

- **Abel W,** Walking the Tightrope of Mental Health. Association of Caribbean Higher Education Administrators (ACHEA) 18th annual conference. July 11–13, 2019.
- **Abel W,** Jamaica Adolescents and Digital Mental Health Resources: Taking a Global Mental Health Perspective. Institute of Health and Wellbeing, College of Medical, Veterinary and Life Sciences, University of Glasgow, Scotland UK.
- **Campbell, N.** Ministry of Health 9th Annual Research Conference, Jamaica Conference Centre November 22–23, 2018: *Road traffic fatalities & homicides in Jamaica: Major untapped sources of occupational injury data.*
- **Cunningham-Myrie, C.** Neighbourhood characteristics and Substance Use in the Caribbean Context: Jamaica National Drug Use Prevalence Survey 2016. Accepted for oral presentation, CARPHA 64th Annual Health Research Conference, June 2019, Trinidad.
- **Cunningham-Myrie.** Prevalence and patterns of multimorbidity in Jamaica: A latent class analysis. Accepted for oral presentation, CARPHA 64th Annual Health Research Conference, June 2019, Trinidad.
- **Figueroa JP.** A Practical Approach to Sexually Transmitted Infections in Youth. Consultant Physicians conference, Pegasus Hotel, Kingston on 9 September 2018.
- **Figueroa JP.** CITAG: Sustaining Immunization Gains and Forging New Goals.

COHSOD meeting of Caribbean Health Ministers Washington DC 22 Sept 2017.

- **Figueroa JP** et al. Report of the Polio Working Group to WHO SAGE in Geneva on 24 October 2018 and 3 April 2019.
- **Figueroa JP**. Strategies for Repositioning Public Health in the 21st Century. PAHO Directors Retreat, St Lucia 1 May 2019.
- **Figueroa JP**. Introduction to the Doctor of Public Health program. Jamaican Medical Officers (Health) meeting, St Catherine 5 July 2019.
- **Figueroa JP**. The new HIV strategic plan 2020–2025. Jamaican Medical Officers (Health) meeting, St Catherine 5 July 2019.
- **Gibson, R. C.** (2019) Safe and effective benzodiazepine use: panic disorder treatment. Meeting of the North East Medical Association of Jamaica. Ocho Rios, February 21, 2019.
- **Holder-Nevins, D.** Healthy Sexuality Northern Caribbean University Wellness week Nov. 2018. Mandeville Jamaica.
- **Holder-Nevins, D.** Who will care for the caregiver? (Keynote address) University of Technology (UTECH) First Caregiver Conference June 2019.
- **McCaw-Binns A, Abel W, Bailey A.** **Legal access to safe termination of pregnancy for Jamaican women – *practical considerations***. Presentation to the Human Resources and Development Committee of Parliament, Gordon House, Jamaica. 26 July 2019.
- **McCaw-Binns A.** **My uterus but whose choice? Decriminalizing and legalizing abortion in Jamaica.** Ninth annual conference of the St Ann's Bay Hospital. Runaway Bay, St. Ann; 21 July 2019.
- **McCaw-Binns A.** Panelist: **Helping women thrive during and after pregnancy and childbirth.** WHO-HRP research group will address the topic of ending and preventing maternal mortality and morbidity. Specifically addressed the “Burden of acute and chronic pregnancy related morbidity and mortality” based on the findings of maternal morbidity study (Jamaica, Kenya, Malawi) and maternal mortality data (Jamaica). *Women Deliver Conference*, Vancouver, Canada, 4–6 June 2019.
- **McCaw-Binns A.** **Policy and practice: The need to reform the 19th century law on abortion in Jamaica.** *Annual Academic Symposium, Department of Obstetrics and Gynaecology, Mandeville Regional Hospital, Southern Region, Jamaica*; Golf View, Hotel, Mandeville. 27 May 2019.
- **McCaw-Binns A.** **Evolution of causes of maternal death (Jamaica).** Panel discussion on “Global maternal mortality reduction strategies.” *HRP Policy and*

*Coordination Committee meeting*, WHO Special Programme of Research, Development and Research Training in Human Reproduction (HRP). World Health Organization, March 20–21, 2019, Geneva.

- Campbell-Williams K, Oshi DC, Whitehorne-Smith P & Abel WD (2018) Is there an association between cannabis use and reported violent behaviour among psychiatric patients? Evidence from a hospital-based study. Presented at the Faculty of Medical Sciences Annual Research Conference, Kingston, Jamaica, 8 November 2018.
- Ricketts-Roomes, TF. “Quality of Asthma Care in Health Centres in Kingston and St. Andrew, Jamaica Compared to International Clinical Practice Guidelines”. Presented at symposium entitled “New Updates in Asthma Management” held at the Courtleigh Hotel and Suites, Jamaica on May 26, 2019. Symposium was held by the Caribbean College of Family Physicians in collaboration with GSK International.
- Scarlett HP and Campbell NE. **Disaster and emergency management in office-type settings**. Training Seminar for HEART Trust NTA Employees on July 26, 2019, at the R Hotel, Kingston.
- Scarlett HP. **Chronic work-related respiratory diseases**. Jamaica Occupational Health and Safety Professionals Association (JOHSPA) seminar on **Non-Communicable Diseases: Implications for the Jamaican Workplace** on June 19, 2019 at the Mona Visitors Lodge, UWI, Mona.
- Scarlett HP. **Climate change and infectious diseases**. Medical Association of Jamaica Symposium, June 7, 2019, Pegasus Hotel, Kingston, Jamaica.
- Scarlett HP. **Recreational water illnesses**. Medical Association of Jamaica Symposium, June 7, 2019, Pegasus Hotel, Kingston, Jamaica.
- Scarlett HP. **Dengue and its prevention and control**. UWISON04 students, February 5, 2019, UWISON.
- Smith, Kristen (*principal investigator*), Abel, Wendel, Ricketts-Roomes, Tana, Bailey, Althea, and Standard-Goldson, Aileen: **Knowledge, Attitudes and Practices regarding sexual and reproductive health among women in Jamaica in the context of Zika Virus Outbreak: A Cross sectional study**. Presented at conference hosted by PAHO/WHO/HRP Alliance in Sao Paolo , Brazil, December 2018.

#### Peer-Reviewed Journal Articles

- Campbell E, Irving R, Bailey J, Dilworth L, Abel W. Overview of Psychophysiological Stress and the Implications for Junior Athletes. *American Journal of Sports Science and Medicine*, 2018, Vol. 6, No. 3, 72–78 Available online at <http://pubs.sciepub.com/ajssm/6/3/2> ©Science and Education Publishing DOI:10.12691/ajssm-6-3-2

- Nwokocha M, Romero CA, Holder C, Whyllie N, Wong H, Lietch J, Wilks R, Hosang M, Francis S, Brown PD, Paul T, **Abel W**, Barton E, Wilks R, Nwokocha C. Blood Pressure Screening Campaign in Jamaica: May Measurement Month 2017. *Am J Hypertens*. 2019 Jul 27. pii: hpz117. doi: 10.1093/ajh/hpz117. [Epub ahead of print]
- **Colette Cunningham-Myrie**, Emily Mabile, Ishtar Govia, Novie Younger, Marshall Tulloch-Reid, Shelly McFarlane, Damian Francis, Georgiana Gordon-Strachan, Rainford Wilks. Parris Lyew-Ayee, Lisa-Gaye Greene, Katherine Theall. Neighbourhood Characteristics and Cumulative Biological Risk: Evidence from the Jamaica Health and Lifestyle Survey 2008. *BMJ Open* 2018;8: 021952.
- **C. Cunningham-Myrie**, N. Younger-Coleman, KP. Theall, L. Greene, P. Lyew-Ayee, R. Wilks. Parish Prevalence Estimates of Obesity, Diabetes and Hypertension in Jamaica: Is It Now Time for More Targeted Public Health Interventions? *West Indian Med J* 2018; 67(5): 448–457.
- **Colette Cunningham-Myrie**, Tamika Royal-Thomas, Althea Bailey, Jeanette Gustat, Katherine Theall, Joy Harrison, Marvin Reid. Use of a public park for physical activity in the Caribbean. Evidence from a mixed methods study in Jamaica. *BMC Public Health* 2019; (19): 84.
- Weir SS, **Figueroa JP**, Scott M, Byfield L, Jones Cooper C, and Hobbs H (2018). Reaching key populations through key venues: insights from the Jamaica HIV prevention program. *PLOS One* 2018 Nov 26;13(11):e0206962. doi: 10.1371/journal.pone.0206962.
- Duncan JJ, Hylton-Kong T, **Figueroa JP**. The Performance of Syndromic Management of STI in a Resource Limited Setting. *International Journal of STD & AIDS*. 2019 Feb 4 <https://doi.org/10.1177/0956462418813507>.
- Edwards J, Hinds AG, **Figueroa JP**. Prevalence and Risk Factors for Sexually Transmitted Infections among Persons Living with HIV attending the STI Clinic in Trinidad. *International Journal of STD & AIDS* 2019.
- James, K., Thompson, C., Willie-Tyndale, D., Holder Nevins, D, **Gibson, R.**, Johnson, P. McKoy Davis, J. (2019) Performance and Receiver Operating Characteristics of the Mini-Mental State Examination Instrument in Detecting Dementia in a Rapidly Ageing Developing Country (Jamaica). *Journal of Geriatric Psychiatry and Neurology*, DOI: 10.1177/0891988719841722.
- **Gibson, R.C.**, James, K., Waldron, N.K., Abel, W.D., Eldemire-Shearer, D., Mitchell-Fearon, K. (2018) Patterns of depressive symptoms among younger elderly (60–74 years old) and older elderly (≥75 years old) in Jamaica. *International Psychogeriatrics*, doi:10.1017/S104161021800162X.
- Willie-Tyndale D, McKoy-Davis J, **Holder-Nevins D**, Mitchell-Fearon K, James

- K, Waldron N & Eldemire-Shearer D. (2018) Predictors of health service utilization among older men in Jamaica. *J Gerontol B Psychol Sci Soc Sci*. 2018 Jan 3. doi: 10.1093/geronb/gbx168. (I.F. 3.054 [2018]).
- **Holder-Nevins D**, James K, McKoy-Davis J, Willie-Tyndale D, Thompson C & Eldemire-Shearer D. Who cares? Sociodemographic and health characteristics of carers of older persons in Jamaica. *West Indian Med J*. 2018; 67 (5): 465–470. (I. F. 0.21 2018).
  - Campbell-Williams KA, **Oshi DC**, Whitehorne-Smith P & Abel WD. Sociodemographic and Clinical Factors Associated with Comorbid Hazardous Cannabis Use among Psychiatric Patients at a Tertiary Hospital in Jamaica. *Journal of Substance Use* 2018; DOI: 10.1080/14659891.2018.1552729.
  - GBD 2017 Diet Collaborators (**Jackson MD**). Health effects of dietary risks in 195 countries, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*. 2019 Apr 3. pii: S0140-6736(19)30041-8. *Impact Factor*, 53.25.
  - Gaskin PS, Chami P, Ward J, Solari OGB, Sing B, **Jackson MD**, Broome H. A practical model for identification of children at risk of excess energy intake in the developing world. *Public Health Nutr*. 2019 Mar 8;1–11. *Impact Factor*, 2.48.
  - O’Sullivan O, Campbell T, Darby A, Mourillon N, Campbell J, Melbourne T, Green V, **Jackson MD**. Chikungunya Virus Infection-associated Arthralgia in Adult Jamaicans Post-outbreak. *West Indian Med J* 2018; 67 (3): 190–6.
  - GBD 2017 Risk Factor Collaborators (**Jackson MD**). Global, regional, and national comparative risk assessment of 84 behavioural, environmental and occupational, and metabolic risks or clusters of risks for 195 countries and territories, 1990–2017: a systematic analysis for the Global Burden of Disease Study 2017. *Lancet*. 2018 Nov 10; 392 (10159):1923–1994. *Impact Factor*, 53.25.
  - GBD 2016 Alcohol Collaborators (**Jackson MD**). Alcohol use and burden for 195 countries and territories, 1990–2016: a systematic analysis for the Global Burden of Disease Study 2016. *Lancet*. 2018 Sep 22;392 (10152): 1015–1035. *Impact Factor*, 53.25.
  - Gordon C, Wilks R, **McCaw-Binns A**. Factors Associated with Health-related Quality of Life of Ambulatory Stroke Survivors in Jamaica CD Gordon. *West Indian Medical Journal* 2018; 67 (5): DOI: 10.7727/wimj.2018.170IF: 0.26
  - Guida JP, Costa ML, Parpinelli MA, Pacagnella RC, Ferreira EC, Mayrink J, Silveira C, Souza RT, Sousa MH, Say L, Chou D, Filippi V, Barreix M, Barbour K, **McCaw-Binns A**, von Dadelszen P, Cecatti JG; Brazilian Cohort on Severe Maternal Morbidity (COMMAG) study group and the WHO Maternal Morbidity

- Working Group (MMWG). The impact of hypertension, hemorrhage, and other maternal morbidities on functioning in the postpartum period as assessed by the WHODAS 2.0 36-item tool. *International Journal of Gynaecology and Obstetrics* 2018 May; 141 Suppl 1:55-60. doi: 10.1002/ijgo.12467. PubMed PMID: 29851117. IF: 2.072 **COMMAG** members: Andreucci CB, Angelini CR, Ferraz JP, Zanardi DM, Camargo RS. **MMWG** members: Cottler S, Fawole O, Firoz T, Gadama L, Ghérissi A, Gyte G, Hindin M, Jayathilaka A, Kalamar A, Kone Y, Kostanjsek N, Lange I, Magee LA, Mathur A, Morgan M, Munjanja S, Gichuhi GN, Petzold M, Sullivan E, Taulo F, Tunçalp Ö, Vanderkruijk R.
- Barreix M, Barbour K, **McCaw-Binns A**, Chou D, Petzold M, Gichuhi GN, Gadama L, Taulo F, Tunçalp Ö, Say L; WHO Maternal Morbidity Working Group (MMWG). Standardizing the measurement of maternal morbidity: Pilot study results. *International Journal of Gynaecology and Obstetrics* 2018 May;141 Suppl 1:10-19. doi: 10.1002/ijgo.12464. IF: 2.072.
  - Firoz T, **McCaw-Binns A**, Filippi V, Magee LA, Costa ML, Cecatti JG, Barreix M, Adanu R, Chou D, Say L; members of the WHO Maternal Morbidity Working Group (MMWG). A framework for healthcare interventions to address maternal morbidity. *International Journal of Gynaecology and Obstetrics* 2018 May;141 Suppl 1:61-68. doi: 10.1002/ijgo.12469. Review.
  - Silveira C, Souza RT, Costa ML, Parpinelli MA, Pacagnella RC, Ferreira EC, Mayrink J, Guida JP, Sousa MH, Say L, Chou D, Filippi V, Barreix M, Barbour K, Firoz T, von Dadelszen P, Cecatti JG; Brazilian Cohort on Severe Maternal Morbidity (COMMAG) study group and the WHO Maternal Morbidity Working Group (MMWG). Validation of the WHO Disability Assessment Schedule (WHODAS 2.0) 12-item tool against the 36-item version for measuring functioning and disability associated with pregnancy and history of severe maternal morbidity. *International Journal of Gynaecology and Obstetrics* 2018 May; 141 Suppl 1:39–47. doi: 10.1002/ijgo.12465.
  - Say L, Chou D; WHO Maternal Morbidity Working Group (MMWG). Maternal morbidity: Time for reflection, recognition, and action. *International Journal of Gynaecology and Obstetrics* 2018 May; 141 Suppl 1:1–3. doi: 10.1002/ijgo.12499. PubMed PMID: 29851112.
  - Mayrink J, Souza RT, Silveira C, Guida JP, Costa ML, Parpinelli MA, Pacagnella RC, Ferreira EC, Sousa MH, Say L, Chou D, Filippi V, Barreix M, Barbour K, von Dadelszen P, Cecatti JG; Brazilian Cohort on Severe Maternal Morbidity (COMMAG) study group and the WHO Maternal Morbidity Working Group (MMWG). Reference ranges of the WHO Disability Assessment Schedule (WHODAS 2.0) score and diagnostic validity of its 12-item version in identifying altered functioning in healthy postpartum women. *International Journal of*



*Gynaecology and Obstetrics* 2018 May; 141 Suppl 1:48-54. doi: 10.1002/ijgo.12466. PubMed PMID: 29851111.

- **McCaw-Binns AM**, Campbell LV, Spence SS. The evolving contribution of non-communicable diseases to maternal mortality in Jamaica, 1998–2015: a population-based study. *British Journal of Obstetrics and Gynaecology* 2018; 125: 1254–1261. Epub Feb 8. doi: 10.1111/1471-0528.15154. IF: 4.876.
- Rocke KD, Ferguson TS, Younger-Coleman NO, Tulloch-Reid MK, Knight-Madden JM, Samms-Vaughan ME, Ashley DE, **McCaw-Binns AM**, Wilks RJ. Relationship between Early Life Factors and Renal Function in Afro-Caribbean Young Adults: Analysis from the Jamaica 1986 Birth Cohort Study. *West Indian Medical Journal* 2018; 67(2): 165–72.
- **Oshi DC**, Ricketts-Roomes T, Oshi SN, Mitchell C, Agu CF, Belinfante A, Mitchell G, Whitehorne-Smith P, Harrison J, Atkinson U & Abel WD. Gender differences in factors associated with early age of initiation of cannabis use in Jamaica. *Journal of Substance Use* 2018; DOI: <https://doi.org/10.1080/14659891.2018.1531946>.
- **Ricketts Roomes TF**, Waldron NK, James K. “Quality of Asthma Care in Health Centres in Kingston and St. Andrew, Jamaica Compared to International Clinical Practice Guidelines”. *J Health Care Poor Underserved*. 2019;30(1):392-403. doi: 10.1353/hpu.2019.0028. 2019 (February).
- Smith K, James K, **Standard-Goldson A**. Adult obesity: Management practices of General Practitioners/ Family Physicians in Kingston and St Andrew, Jamaica. *West Indian Med J* 2018; 67 (5) DOI: 10.7727/wimj.2018.184: 433–38.
- Douglas C, **Standard-Goldson A**, James K, Abel W. Nurses’ perception of preparedness for moving mental health care from psychiatric to general hospitals in Jamaica. *Rev Panam Salud Publica*. 2018; 42:e158. <https://doi.org/10.26633/RPSP.2018.158> (Impact Factor 0.61).
- **Thompson, C.**, James, K., Holder-Nevins, D., Willie-Tyndale, D., & Eldemire-Shearer D. (2018) Sinking Teeth into Dental Health of Older Adults in Jamaica. *West Indian Medical Journal*. 67(5) 480-87. DOI 10.7727/wimj.2018.163. Available at <https://www.mona.uwi.edu/fms/wimj/article/3838>.
- Goede, H., Bisasor-McKenzie, J., & **Thompson, C.** (2018). *Jamaica – Development of workforce for the first level of care*. World Health Organization. Country case study on primary health care – Prepared for Global Conference on Primary Health Care and the Declaration of Astana. Available from <https://www.who.int/docs/default-source/primary-health/case-studies/jamaica.pdf>.
- Holder-Nevins, D., James, K., McKoy-Davis, J., Willie-Tyndale, D, **Thompson, C.**, & Eldemire-Shearer, D. (2018). Who Cares? Socio-demographic and Health

Characteristics of Carers of Older Persons in Jamaica. *West Indies Medical Journal*. 67(5), 465–70. DOI: 10.7727/wimj.2018.169. Available at <https://www.mona.uwi.edu/fms/wimj/article/3835>. DOI: 10.7727/wimj.2015.450. [IF: 0.26].

- **Waldron, N. K.,** James, K. Laws, H., Harris, M. A., Holder-Nevins, D., & Eldemire-Shearer, D. (December, 2018). Hypertension in older adults in Jamaica: Prevalence, treatment and control. *West Indian Medical Journal*, 67(5): 439– 447.

## TECHNICAL REPORTS

### Dr Althea Bailey

- Bio-Behavioural Surveillance Survey of Inmates in Jamaica. National Family Planning Board March 2019 (65 pages).

### Dr Desmalee Holder-Nevins

- Programme For International Student Assessment (PISA) Needs Assessment Results – Jamaica Ministry of Education Youth & Information (40 pages).

### Mr Norbert Campbell

- INDOOR AIR QUALITY REPORT: Caribbean Institute for Health Research (CAIHR), University of the West Indies, Mona, Kingston 7 (42 pages).

### Dr Henroy Scarlett

- Developed graduate level course on “**Health Aspects of Disaster Risk Management**”

## Abstract

- **Scarlett HP.** Climate change and infectious diseases. Medical Association of Jamaica June 6–9, 2019 Symposium Program Guide.
- **Scarlett HP.** Recreational water illnesses. Medical Association of Jamaica June 6–9, 2019 Symposium Program Guide.
- **McCaw-Binns A** on behalf of the WHO Maternal Morbidity Working Group. What does WOICE mean for antenatal and post-delivery care in the SDG era? **Session: Maternal morbidity and mortality: measurement for action. International Association of Gynaecologists and Obstetricians (FIGO) Meeting, Rio de Janeiro, Brazil, October 14–19, 2018.**
- Mullings J, Archer C, **McCaw-Binns A**, Younger-Coleman N, Wilks R. The Right to the City and the Responsibility of Citizens: Equitable Access to Basic Urban Services and Infrastructure for Health and Social Development in the Small Island Developing State of Jamaica. *Current Politics and Economics of South and Central America*. 2018; 11 (2), 131–171.



## INCOME GENERATION

1. Professor Wendel Abel. Programme for the Promotion of Patients' Rights in Maternal Neonatal & Infant Health. European Union. Euro 700,000,000 (2018).
2. Professor Denise Eldemire-Shearer. NHF Phase 2: Study to Determine Types of Dementia funded by NHF. JAD 6 million.
3. Dr Julian Mc Koy Davis. Co-funding support from the Centre for Outreach in Alzheimer's, Aging & Community Health (COAACH) to facilitate the Older Adult Caregivers Training. USD \$1,000.00 (March 2018).
4. Dr Tana Ricketts – Roomes. "Asthma Health-related Quality of Life and its Determinants". Principal's New Initiative Grant. JAD 1,500,000.00. (December 2017).
5. Dr Kristen Smith. "Knowledge, Attitudes and Practices regarding sexual and reproductive health among women in Jamaica in the context of Zika Virus Outbreak in Jamaica: A Cross sectional study. USD 15,000. 00 (December 2017).
6. Dr. Kenneth James. Obtained a planning grant (P20) from the National Institutes of Health to create a centre of research excellence at the University of the West Indies, Mona Campus. The grant is a joint collaboration between our department and the Fox Chase Cancer Centre in Philadelphia (Dr. Camille Ragin, Associate Professor in the Cancer Prevention and Control Programme, and J. Robert Beck, Senior Vice President and Deputy Director of Fox Chase Cancer Centre who form the Principal Investigation Team).

## PUBLIC SERVICE

### Professor Wendel Abel

- Expert Panel: Strategic and Regional Action Plan for Mental Health (PAHO)
- Advisory Committee: Training and Certification Program for Drug and Violence Prevention, Treatment, and Rehabilitation (PROCCER; OAS)
- Deputy Chair: National Council on Drug Abuse
- Member: Cannabis Licensing Authority, Legal and Regulatory Subcommittee
- Peer Reviewer: *Ethnicity and Inequalities in Health and Social Care; West Indian Medical Journal, BMC*
- Board Member and chair Finance sub-committee – Foundation for International Self Help (FISH)
- Justice of the Peace – The Parish of Kingston and St. Andrew
- Peer Reviewer: Medical Research Council (MRC)

**Dr Althea Bailey**

- Coordination of the Community Outreach Core for the P20 agreement between The African-Caribbean Cancer Consortium (AC3), a global cancer research program of Fox Chase Cancer Center (FCCC), and the University of the West Indies (UWI).
- Conducted qualitative research for the Caribbean Institute of Health Research (CIHR) in their evaluation of the JHLS3 study.
- PROMAC/ MNIH Development of Manual and Toolkit December 2018.
- Currently conducting research for the Jamaica Council of Churches (JCC) a mapping exercise of religious sector social protection services related to Stigma and Discrimination (S&D) Reduction Interventions among faith-based organizations (including leaders and congregants)."
- Member of the Religious groups' steering committee for a healthy lifestyle and HIV prevention meetings once per quarter. Organised two training workshops.
- Participated in the preparation and presentation of "**Legal Access to Safe Termination of Pregnancy for Jamaican Women – *Practical Considerations*** to the Human Resource and Social Development Parliamentary committee initiated by private members motion 61 entitled "**Time to Give Women the Right to Choose.**" Tabled by Member of Parliament (MP) Juliet Cuthbert-Flynn July 25th 2019.

**Mr Norbert Campbell**

- Member of Dean's (FMS) Consultative Group on establishment of Centre for Injury Research at Mona.
- Conducted Indoor Air Quality (IAQ) Assessment in the offices of the Sickle Cell Unit of the Caribbean Institute for Health Research (CAIHR).
- **Member:** UWI Mona's Committee on IAQ and Mould Control.
- **Guest lecturer:** Gave two (2) lectures to Level Department of Life Sciences students on. Occupational Safety and Health in laboratories. (Has now become an annual event).

**Dr Colette Cunningham-Myrie**

- Member Dissertation Committee, Tulane University School of Public Health and Tropical Medicine, USA.
- Developed in collaboration with Department of Modern Language & Literature, UWI, Mona, course titled, "Spanish for Medical Purposes" which was approved by the Faculty board, Faculty of Humanities and Education.
- Faculty/Section representative WIGUT Medical Sciences (Clinical)
- Faculty of Medical Sciences, Annual Research Conference Organizing Committee

- Family Medicine Specialty Board – UWI
- Member Executive Committee St Andrew High School for Girls, Old Girls Association, Jamaica.
- Volunteer physician Diabetes Association of Jamaica – provide clinical care and participate in health promotional activities.

**Professor Peter Figueroa**

- Chair, Epidemiology and Research Training Unit Board of Directors.
- Member, Bellevue Hospital Board of Directors.
- Member, Technical Working Group on Mental Health.
- Member, Technical Working Group on Sexually Transmitted Infections
- Member, Classification Appeals Tribunal.
- Consultant to the Ministry of Health Jamaica for preparation of the National HIV Strategic Plan 2020–2025.
- Chair, PAHO Technical Advisory Group on Immunization.
- Participant in WHO Strategic Advisory Group of Experts (SAGE) on Immunization meetings 23–25 October 2018 and 2–4 April 2019, Geneva, Switzerland.
- Participant in the Evaluation of WHO Strategic Advisory Group of Experts (SAGE) on Immunization, Geneva, Switzerland 5–6 February 2019.
- Participant in the development of the Immunization Agenda 2030, Geneva 21–23 February 2019.
- Co-chair, WHO SAGE Working Group on Polio.
- Member, WHO panel of Polio experts - International Public Health Regulations.
- Member, PAHO Technical Advisory Group on HIV and Hepatitis.
- Member, International Task Force on Disease Eradication, Carter Foundation, Atlanta, USA.
- Member, UNAIDS Panel of HIV Experts
- Chair, Caribbean Immunization Technical Advisory Group (CITAG).
- Chair, Caribbean Expanded Program of Immunization (EPI) Managers.
- Member, Pan Caribbean Partnership on AIDS (PANCAP) Priority Areas Coordinating Committee (PACC).
- Vice Chair, Regional Coordinating Mechanism, PANCAP Global Fund Project.
- Represented UWI at Caribbean Health Ministers' meeting in Washington DC 21–23 September 2018.

**Professor Roger Gibson**

- Mental Health Specialist, Pan-American Health Organization (PAHO) Regional Health Response Team.
- Advisor, Technical Mental Health Advisory Group, Ministry of Health (Jamaica).

**Dr Desmalee Holder-Nevins**

- Vice president – Carey Park Citizens' Ass.
- Member Exec. Committee North Jamaica Conference of SDA
- Member of health team – NCU Wellness week outreach to residents of Manchester.

**Professor Affette McCaw-Binns**

- World Health Organization/Pan American Health Organization (PAHO). Appointed by PAHO to represent the Region of the Americas “Mother and Newborn Information for Tracking Outcomes and Results (MONITOR)” Technical Advisory Group which will develop and review progress on SDG maternal and child health indicators.
- Medical Research Council, UK Research and Innovation – National Institute for Health Research. Appointed to an 11-member panel (6 external, 5 MRC staff) to review proposals for grant funding from the Overseas Development Agency, UK, to address “Global Maternal and Neonatal Health Research Priorities in Low and Middle Income Developing Countries.” Appointed February 2019.
- World Health Organization. Appointed to Medical and Scientific Advisory Committee (MSAC) to advise WHO on scientific updates to the 11th revision of the International Classification of Diseases and Related Health Problems [ICD-11]) to replace ICD-10. Appointed August 2017.
- Maternal Mortality Surveillance Committee, Jamaica (have served continuously since its inception in 1998).
- Technical Committee, Reproductive Health Survey (RHS) 2020. Invited by the Planning Institute of Jamaica to join technical advisory group which will provide technical advice during the development, implementation and reporting of the 2020 RHS.

**Dr Daniel Oshi**

- Member: American Society of Tropical Medicine and Hygiene
- International Sociological Association
- International AIDS Society
- Nigerian Medical Association
- Global Health Section: International Studies Association

- Editorial Board Membership
- Member: Editorial Advisory Board: *West Indian Medical Journal*
- Article Editor: *Sage Open*
- Reviewer in the following journals; *Global Health Action*, *West Indian Medical Journal*, *GERMS* – the official journal of the European HIV/AIDS and Infectious Diseases Academy, *Sage Open* (Sage Publishing Company) and *Journal of Biosocial Science* (Cambridge University Press)

#### **Dr Tana Ricketts-Roomes**

- Hosted the 2019 Pledge Ceremony for the MBBS Graduating Class of 2019.
- Medical Doctor for Jamaica Swim Team to Goodwill Games (August 2018)
- Medical Doctor for Tornadoes Swim Club (since September 2018)
- Member of St Andrew High School for Girls Sports Committee (since September 2018)
- Member of St Andrew High School for Girls Health & Welfare Committee (since September 2018)
- Manager for Liberty Academy Prep School Swim Team (from September 2018 to March 2019).

#### **Dr Henroy Scarlett**

- Chairman, International Federation of Environmental Health (IFEH) Region of the Americas
- Board member, IFEH
- Treasurer, Jamaica Occupational Health and Safety Professionals Association (JOHSPA)
- Member, National Environmental Health Association (NEHA) of the USA
- Member, Jamaica Association of Public Health Association (JAPHI)
- Chairman, Planning Committee for One Health Conference (2) to be held in Jamaica in October, 2020
- Assisted a group of PHIs (8) in their preparation for the NEHA top credential exam, Registered Environmental Health Specialist/Registered Sanitarian (REHS/RS). Exam was held July 20, 2019 in the Department of Community Health and Psychiatry and proctored by NEHA's Credentialing Officer, Sarah Hoover. 5 (62.5%) PHIs were successful in the exam and earn the designation REHS/RS.
- Working in conjunction with Dr. Campbell, we hosted a group of students and their professor, Dr. Gary Brown in the Department. We organized and accompanied them on field visits to Riverton Disposal Site, Red Stripe and a coffee plantation.

- Assisted the MAJ in the planning of their 2019 conference which had the theme “Environmental Impact on Health: A clear and present danger”.

**Dr Aileen Standard-Goldson**

- Collaborated with the Caribbean College of Family Physicians Jamaica Chapter and the Association of General Practitioners of Jamaica to mount activities for World Family Doctor Day – May 19.
- 2015–2019. Trainer for PAHO Workshops delivering mental health training to primary care practitioners across the Caribbean in face-to-face workshops and Virtual Campus delivery.

**Mrs Camelia Thompson**

- Chair - Churches Emancipation Lecture Committee – 2018.
- Member – Central Management Committee Bethel Baptist Health Ministry.
- Committee Member, Bureau of Standards – Medical Facility Standard Technical Committee.

**Dr Norman Waldron**

- Member – FMS Committee on Graduate Studies and Research (2004–current).
- Reviewer – McMaster Online Rating of Evidence (MORE) (2008–current).

## **DISTINCTIONS, HONOURS, SCHOLARSHIPS AND AWARDS**

**Professor Wendel Abel**

- UWI, Vice Chancellor’s Award for Public Service, 2018.
- Gleaner award for Health & Wellness, 2018.

**Dr Collette Cunningham-Myrie**

- The Mona Research and Publications and Graduate Awards Committee Recognition: DrPH (High Commendation)

**Professor Peter Figueroa**

- WHO award for Leadership in Global Health – May 2019.

**Dr Desmalee Holder-Nevins**

- Member of Research team for best Faculty Med Science Research paper 2018: Predictors of Health Service Utilization Among Older Men in Jamaica D. Willie-Tyndale, J. McKoy Davis, **D. Holder-Nevins**, K. Mitchell-Fearon, K. James, N. K. Waldron and D. Eldemire-Shearer.

**Professor Maria Jackson**

- 2019: The Principal's Research Award for Best Research Publication (Article). Faculty of Medical Sciences, University of the West Indies, Mona

**Professor Affette McCaw-Binns**

- Ministry of Health: Maternal Mortality Surveillance Committee (2019). Recognition of exceptional commitment, expertise, time and support to maternal health in Jamaica, National Maternal Health Review, January 2018.

**Dr Tana Ricketts-Roomes**

- Outstanding Researcher – Graduate Studies: UWI Research days 2019.

**Dr Norman Waldron**

- Principal's Award for Best Research Publication in the Faculty of Medical Sciences.



# DEPARTMENT OF MEDICINE

**Michael Boyne**, BSc, MB.BS, MD, FRCPC, FRCP (*Edin*) – Professor of Endocrinology and Metabolism – **Head of Department**



**F**or the period 2018/2019, Professor Rosemarie Wright-Pascoe served as Head of the Department from August 1, 2018 to January 10, 2019 and Professor Michael Boyne took up the mantle and acted as Head from January 28, 2019 to July 31, 2019.

## WORK OF THE DEPARTMENT OF MEDICINE

### Undergraduate teaching

The Department continues to give didactic lectures in Internal Medicine to MBBS students in the first year and clinical teaching to 2nd, 3rd and 5th years. Students were assigned mainly to the UHWI. The Junior Clerkship rotation is for 3rd year clinical students who were stationed at the Kingston Public Hospital (KPH) and the UHWI. Senior students in their 5th year are assigned to UHWI, as well as peripheral teaching hospitals i.e. KPH, Spanish Town Hospital, Cornwall Regional Hospital, Mandeville Regional Hospital, May Pen Hospital, and St. Ann's Bay Hospital. We continue to try to deliver quality teaching as well as to improving our pedagogy and student assessment. Consequently, one lecturer has been earmarked for career development as a medical education specialist within the Department.

### Postgraduate teaching

The Department has several postgraduate offerings:

A postgraduate professional programme leading to the *Doctor of Medicine (Internal Medicine)* degree. At present, there are 34 residents among the four years. However, the immense clinical load has led to the problem of inadequate staffing for all clinical areas, resident overwork, and student burnout is prevalent. This is a real danger for the future of the programme as several students have already taken leave of absence. Five junior residents started the programme in July 2019.

The *DM Dermatology* programme was launched with some fanfare on July 1, 2019. This programme was long-in-gestation, although there was a great need to provide locally-trained dermatologists since there were no prior local/regional opportunities. Four inaugural students were selected, and there is a teaching complement of 5 dermatologists (3 lecturers, 1 associate lecturer and 1 hospital consultant).

Research degree i.e. *PhD (Medicine)*. There are 2 students in their 3rd year, whose main supervisor is Prof Terrence Forrester, Chief Scientist, Solutions for Developing Countries (SODECO), UWI.

Fellowship programmes in Infectious Disease, Nephrology, Cardiology and Gastroenterology. There is increasing demand for these programmes, but they are plagued by no available funding for the fellows (so fellows have to be self-funding), threatening their long-term viability. Two programmes are active, with one fellow in Infectious Disease and the other in Nephrology.

### **Clinical Care**

The Department is primarily responsible for the admission, treatment and outpatient care of patients at the UHWI in the areas of internal medicine and the associated subspecialties. The clinical load is enormous and continues to grow with the growing obesity epidemic in an ageing Jamaican population. The bed occupancy for Medicine is usually over 100% and there is a growing need for the Medical ICU. Some highlights over the reporting period include:

### **Renal Service**

- Resumed kidney transplant at the UHWI in June 2019 in collaboration with the Department of Surgery.
- Established a renal transplant screening clinic and a post-renal transplant clinic weekly at UHWI.
- In collaboration with the Caribbean Institute of Nephrology, University of Michigan, and the International Society of Nephrology hosted the 11th Annual International Conference On Nephrology and Hypertension, January 18 & 19, 2019 at the Knutsford Court Hotel, Kingston. The theme was “*Targeting Chronic Non-communicable Diseases in the Caribbean*”.

### **Cardiology Service**

- Hosted Cardiology Week 2019 that culminated with Cardiology Symposium 2019, themed “*Healthy Hearts for a Healthy Nation*” on February 15, 2019. The symposium dealt with many contemporary topics e.g. the effects of mosquito-borne illness, cannabis, tobacco, and obesity on the heart.

- The state-of-the-art Interventional Suite was officially opened on May 30, 2019 at UHWI. This suite enables several procedures to be done, including cardiac catheterization and percutaneous coronary intervention (projections are for ~50 cases per week), which will improve undergraduate and postgraduate learning experiences.

### **Research**

The department conducts research in internal medicine and associated subspecialties. There are active efforts to improve the research output by improving training in research methodology and forming research teams. The areas with active research include Nephrology, Pulmonology, Gastroenterology, Dermatology and Endocrinology. These included:

- The Nephrology group continues to conduct epidemiological research in chronic kidney disease through its CKD Registry and reports annually at the International Conference on Nephrology and Hypertension in Jamaica.
- The follow-up study “Burden of Obstructive Lung Disease Follow-up in low/middle income countries (BOLD II)” was started. This nationwide study, as part of a multinational effort, will determine the incidence of obstructive lung disease in Jamaica.
- The Dermatology group is conducting a pilot randomized controlled clinical trial evaluating the treatment of pathologic scarring with a novel cream Keloflat® compared with standard topical steroid cream.
- A project in collaboration with the UWI-SUNY Health Research Task Force focusing on the epidemiology of patients with type 1 diabetes in Kingston.
- Michael Boyne and Tamara Thompson participated in the Royal Society meeting Caribbean Frontiers of Science, London March 20–21, 2019. This led to a follow-on grant proposal with collaborators at University of Cambridge follow-on Grant: FOS\R1\191008, “Prevalence of gestational diabetes mellitus (GDM) in high risk women in Kingston, Jamaica, and association with pregnancy outcomes.”

### **Outreach**

We are actively involved in continuing medical education for all members of the health team as well as for specialists in the field of internal medicine. The highlight was the Annual Summer Review, on July 5–7, 2019 to improve the education of primary care doctors and internists in common, topical problems. Many of the Department members formed its teaching faculty.

## Recognition

Professor Derek Bell, OBE, President of the Royal College of Physicians of Edinburgh (RCPE), presided over the signing of the Fellowship Roll for several local physicians at the 45th Annual Dr Ena Thomas Memorial Symposium in Kingston on Nov 24, 2018. The members of the Department who were recognized were Professor Michael Lee, Dr. Milton Arthurs, Dr. Adedamola Soyibo, and Prof Michael Boyne.

## PAPERS PRESENTED/ ABSTRACTS

- **Chin-Harty, Lisa.** “Initiating Insulin therapy.” Presented at Caribbean Endocrine Society Symposium September 2018, Port of Spain, Trinidad.
- **Yvonne Dawkins.** “Inflammatory Bowel Disease: An Overview and Update in Jamaica.” Ferring Pharmaceutical IBD Expert meeting, Spanish Court Hotel, October 24, 2018.
- **YM Dawkins, MG Lee, TS Ferguson, M. Arthurs, MO Mills, EK Donaldson, T Murphy** (2018). “Review of Patients With Inflammatory Bowel Disease at the University Hospital of the West Indies Between 1980 – June 2018.” *American Journal of Gastroenterology*: 114 (2018): S20, Abstract P074. Presented at Advances in Inflammatory Bowel Disease conference December 2018, Miami, USA.
- **Hoe, Kyaw.** “Iatrogenic Hospital Acquired Acute Kidney Injury: A wider Scope for Better Outcomes.” 11th Annual International Conference on Nephrology and Hypertension, Knutsford Court Hotel, Kingston, January 18, 2019.
- **Lee Michael G.** “Options for colon cancer and screening.” Presented at Colon Cancer Symposium. Jamaica Cancer Society, Association of West Indian Gastroenterologist March 2019.
- **Wright-Pascoe Williams, R.** presented by **Phillips K.** “Treatment Options in the Treatment of Type 2 diabetes mellitus” University Diabetes Outreach Programme, The 25th Annual International Diabetes Conference, Jewel Runaway Bay, Jamaica, April 26, 2019.
- **Wright-Pascoe Williams, R.** “New Evidence of Sitagliptin: COMPOSIT Studies M, R and I.” Merck Continuing Medical Education. The Jamaica Pegasus, Kingston, Jamaica. July 28, 2019 and Best of ADA, 2019 Jamaica.
- **Wright-Pascoe Williams, R.** “Prediabetes.” Merck Continuing Medical Education. The Terra Nova Hotel, Kingston, Jamaica, November 21, 2018.
- **Fisher, Lori-Ann.** “Diabetic Nephropathy.” Caribbean Association of Family Physicians March 10, 2019, Spanish Court Hotel, Kingston.
- **Fisher, Lori-Ann.** “Updates in Sickle Cell Nephropathy.” Caribbean Nephrology Conference January 18, 2019, Knutsford Court Hotel, Kingston.

- **Hoo Sang, Mark.** “Importance of Smoking Cessation” University Diabetes Outreach Programme, The 25th Annual International Diabetes Conference, Jewel Runaway Bay, Jamaica. April 26, 2019.
- **Hoo Sang, Mark.** ”Nurse Directed Heart Failure Clinics – The Local Experience” Heart Foundation of Jamaica (HFJ) Heart Month Medical Symposium, February 19, 2019, Spanish Court Hotel.
- **Thompson, Tamara.** “Implementation of HIV Self testing in an Emergency Medicine Department in Kingston, Jamaica: A Demonstration Project. (ID# 7041).” 14th International Conference on HIV Treatment and Prevention, June 2019, Miami, Fl, USA.
- **Thompson, Tamara.** “Swine Zoonoses.” University of South Carolina, Infectious Diseases Case Conference (Zoom Webinar). September 5, 2018.
- **Thompson, Tamara.** “HIV Epidemiology and challenges to breaking the chain of transmission: Perspectives from Jamaica.” Ochsner Clinical School Global Health Conference, Ochsner Medical Centre, New Orleans, Louisiana, May 20, 2019.
- Schade Stanton, **Tamara Thompson, Trevor Ferguson,** 1913. ‘Clinical Performance of the qSOFA Score Among Non-ICU Inpatients with Infection at a Tertiary Hospital in Jamaica From 2015 to 2016.’ Open Forum Infectious Diseases, 5, suppl 1 (2018): S550. Presented at Infectious Diseases Society of America, San Francisco, CA, October 2018.
- **Boyne, Michael.** “Disclosure, conflicts of interests” Presented at Dental Association of Jamaica 55th Annual Convention, Feb 10, 2019, Kingston, Jamaica.
- **Boyne, Michael.** “Current approaches to the medical management of thyroid disorders.” Presented at Caribbean Association of Otolaryngologists 27th Annual Scientific Conference, May 15, 2019; Kingston, Jamaica.
- **Boyne, Michael.** “Case presentations and discussions.” University Diabetes Outreach Programme, The 25th Annual International Diabetes Conference, Jewel Runaway Bay, Jamaica. April 27, 2019.
- **Boyne, Michael.** “Impact of gestational diabetes on our population.” Presented at Gestational Diabetes Workshop: What should be our local approach to care? UWI Mona, April 10, 2019 .

## PUBLICATIONS

### Referred Journal Articles

- **MG Lee, EW Williams, JM Plummer, Y Dawkins, T Murphy, K Gabriel, S Guyah, S French.** “Acute Pancreatitis – Guidelines to Management.” *West Indian Med J*; 68, Suppl. 2 (2019): 10–17.

- **KK Hoe, TL Han, TH Hoe, EN Barton:** “Severity and Outcomes in Association with Known Exposures and Susceptibilities among Afro-Caribbean Patients with Hospital-acquired Acute Kidney Injury.” *West Indian Med J* 68 (2019). DOI: 10.7727/wimj.2018.154.
- **K Ehikhametalor, LA Fisher, C Bruce, A Aquart-Stewart, J Minott, C Hanna, K Fletcher, C Wilson-Williams, L Morris, M Campbell, JA Henry.** “2018 University of the West Indies/University Hospital of the West Indies Guidelines for ICU Admission, Discharge and Triage.” *West Indies Medical Journal* 68, Suppl. 1 (2019); 46–54.
- **H Kramer H, A Soyibo, T Forrester, M Boyne, T Markossian, R Durazo-Arvizu, A Luke, R Cooper.** “The burden of chronic kidney disease and its major risk factors in Jamaica.” *Kidney Int.* 94, 5 (2018): 840–842.
- **MBC Maymone, JD Ho, D Saadeh, J Bhawan, NA Vashi.** “Asymptomatic Acquired Facial Hyperpigmentation: Challenge.” *Am J Dermatopathol.* 41, 5 (2019): e47.
- **MBC Maymone, JD Ho, D Saadeh, J Bhawan, NA Vashi.** “Asymptomatic Acquired Facial Hyperpigmentation: Answer.” *Am J Dermatopathol.* 41, 5 (2019): 391.
- **P Yap, J Ho, KA Fenton.** “Re-thinking the medical management of keloids: Reflections and experiences from a busy urban clinical practice in Kingston, Jamaica.” *International Journal of Keloid Research.* 3,1 (2019)
- **A Al-Haseni, JD Ho, MBC Maymone, J Bhawan, NV Vashi.** “Generalized dyschromia and erythematous papules in a 66 year old man: Challenge” *Am J Dermatopathol.* 41, 1 (2019): 70.
- **AMS Barron, JC Mantero, JD Ho, B Nazari, K Horback, J Bhawan, R Lafyatis, C Lam, JL Browning.** “Perivascular Adventitial Fibroblast Specialization Accompanies T Cell Retention in the Inflamed Human Dermis.” *J. Immunol.* 202, 1 (2019): 56–68.
- **Ho JD, Chung HJ, Barron AM, Ho DA, Sahni D, Browning JL, Bhawan J.** “An extensive CD34-to-CD90 fibroblast transition defines regions of cutaneous reparative, hypertrophic and keloidal scarring.” *Am J Dermatopathol.* 41, 1 (2019): 16–28.
- **S Suzuki, JD Ho, MT Rosenbaum, J Bhawan.** “Neutrophilic Fixed Drug Eruption: a mimicker of neutrophilic dermatoses.” *Clin Exp Dermatol.* 44, 2 (2019): 236–238.
- **J Cheng, J Ho, M Barrett, HJ Chung, C Lam.** “Linearized solar elastosis of the legs: A novel presentation and review of the literature.” *J Cutan Pathol.* 45, 11 (2018): 855–857.

- **JD Ho**, A Al-Haseni, S Smith, J Bhawan, D Sahni. “Bullous Complex Regional Pain Syndrome: A description of the clinical and histopathologic features.” *J Cutan Pathol* 45, 8 (2018): 633–635.
- A Nicholson, I Tennant, L White, CA Thoms-Rodriguez, L Cook, S Johnson, **T Thompson**, L Richards. (2018). “The knowledge, attitudes and practices of doctors regarding antibiotic resistance at a tertiary care institution in the Caribbean.” *Antimicrobial Resistance & Infection Control* 7, 1 (2018): 23.
- R Santosh, NA Christian, T Jones, CAA Thoms-Rodriguez, A Condappa, **T Thompson**, J Lindo. “Molecular epidemiology of human papillomavirus genotypes in oral rinses from HIV-positive and HIV-negative Jamaican patients.” *Journal of investigative and clinical dentistry* 10,1 (2019): e12365.
- **G Barrow**, M Brandeau. “A modified HIV continuum of care: six-year evaluation of a viral load cascade at a hospital-based clinic in Kingston, Jamaica.” *International Journal of STD and AIDS* 30, 8 (2019): 748–755.

## TECHNICAL REPORTS

- KK Hoe, A Soyibo, EN Barton. “University Hospital of the West Indies Kidney Transplant Protocol: Standard Operation Procedure Manual 2018–19.”

## INCOME GENERATION

### Grants

- Peter Burney (PI), **Althea Aquart-Stewart** (Co-investigator); Medical Research Council MR/R011192/1, for “Burden of Obstructive Lung Disease Follow-up in low/middle income countries (BOLD II)” – **GBP 21,568.63**

### Other income

- Summer Programme: Annual Review of Internal Medicine – **J\$1.5 million.**

## PUBLIC SERVICE

### Professor Rosemarie Wright-Pascoe Williams

- Chairman, Board of Management of Central Medical Laboratory
- Member, Medical Association of Jamaica Council

### Professor Michael Lee

- Member, Board of Executive, Food For the Poor
- Chair, Medical Committee, Food For the Poor

**Professor Michael Boyne**

- Board member, Victoria Mutual Foundation
- President, Association of Consultant Physicians of Jamaica
- Member, Medical Association of Jamaica Council
- Member, DOHAD (Developmental Origins of Health and Disease) Council, and planning committee member for 11th DOHaD World Congress, Melbourne, Australia in October 2019.
- Member, National Health Fund Expert Panel of Physicians

**Dr. Tamara Thompson**

- Member and annual volunteer, Women's Health Network
- Annual volunteer, Rotary Club of Kingston East and Port Royal
- Infectious Diseases Society of America – Minority Interest Group

**Dr. Kyaw Hoe**

- Outreach Renal Clinics at Mandeville Regional Hospital and St. Ann's Bay Hospital

**Dr. Lisa Chin-Harty**

- Treasurer, Caribbean Endocrine Society

**Dr. Charlton Collie**

- Chairman, Board of Directors, Pre-University School, Taylor Hall, UWI Mona.
- Chairman, Board of Directors, Ayrton Distributors Limited
- Department Representative, UHWI Drug and Therapeutics Committee
- Department Representative, UHWI Accident and Emergency Advisory Committee
- Examiner for the MBBS Exams for the School of Clinical Medicine and Research in Nassau, Bahamas May 2019
- Constituency Chairman/ MP Candidate, Jamaica Labour Party for South East, St. Andrew

**Dr. Mark Hoo Sang**

- Member, Cardiovascular Week Planning Committee for Annual Cardiovascular Week Symposium and Annual Cardiology Week Health Fair.

**Dr. Yvonne Dawkins**

- Member, Women's Health Network

**Dr. Lori-Ann Fisher**

- Board Member, Lupus Foundation of Jamaica



**STUDENTS**

The success rate of the final MBBS examination in Medicine & Therapeutics in May/June 2019 was commendable as the failure rate was only ~ 7%. Twenty-three students received honors in the examination. Dr. Kaesha Thomas received the Owen Morgan Prize in Medicine for the highest combined (written and clinical) score in the examination, while Dr Dea Thomas received the Allenbury Prize in Medicine for the highest marks in the clinical examination.

The pass rate for the DM Part 1 and 2 examinations in December was 100% among the 11 candidates. There was only one failure (of 6) in the May/June Part 1 examination.



## DEPARTMENT OF MICROBIOLOGY

**Alison Nicholson, MB BS, DM (Med. Microbiology) – Head of Department**

### WORK OF THE DEPARTMENT

The Department has continued, in pursuance of The UWI's triple A strategy, to foster growth and development, through continuing education to undergraduate and graduate students as well as providing diagnostic services to our internal and external stakeholders in the areas of immunology, bacteriology, virology, mycology and parasitology.

Over the reporting period, academic staff members have been actively involved in research activities including collaboration with external partners. Through Dr. Joshua Anzinger the Department of Microbiology welcomed the Co-Founder of the Global Virus Network (GVN), Professor Robert Gallo, world-renowned scientist who co-discovered HIV-1 in addition to discovering HTLV-1 and interleukin-2, to launch the new GVN Jamaica Affiliate. As part of the GVN, the department continued to facilitate students participating in the annual virology short course at the University of Maryland with DM candidate Dr. Ynolde Leys, Resident, attending the 2019 course.

Postgraduate students in the department, Mrs. Suzette Cameron-McDermott, Dr. Ynolde Leys, and Dr. Camille Blake were accepted as NIH Fogarty Scholars, under the supervision of Dr. Joshua Anzinger. Each of these students drafted a research proposal for their application and these were reviewed by a team of international experts. These projects will be developed in Jamaica with additional training at various collaborating laboratories of the State University of New York (SUNY).

Ms. Tiffany Butterfield and Mr. Chadwic Mears, both NIH Fogarty Scholars had the opportunity to receive advanced training at several research institutions. Ms. Butterfield, while at the University of Buffalo, gained the ability to perform bioinformatic pathway analysis for her research project. Mr. Mears also gained training in diagnostic arbovirus techniques for his research project while at the Wadsworth Laboratory in Albany, New York. Additionally, he was selected for advanced sequencing training at

the Research Center for Zoonosis Control, Hokkaido University, sponsored by the Japanese Government.

During the period 2018–2019 the Virology Laboratory responded to two major viral epidemics: influenza and dengue. Additional testing methodologies were introduced to facilitate rapid testing and early reporting of results.

The Collaboration between The University at Buffalo Center for Integrated Global Biomedical Sciences, The University of the West Indies, State University of New York (SUNY), Upstate Medical University and Jamaica Ministry of Health through co-investigator Professor John Lindo continues to grow. Professor Lindo has been representing The UWI at various meetings in an effort to establish a Clinical Research Center Network among other initiatives.

Dr. Sandra Jackson-Betty has continued consultative work with the World Health Organisation and has been focussing on Respiratory Syncytial Virus Global Surveillance – Phase 1 and Phase 2 through the WHO Global Influenza Programme – Global Influenza Surveillance and Response System. She has documented her findings.

The Department continued to bring awareness on how to manage infection to the medical fraternity and the general public through symposiums. World Sepsis Day was celebrated with the start of a church service, free online streaming to the Second World Sepsis Congress, presentation at Spanish Town High School and ended with a Symposium on Friday, September 13, 2018, on the theme: *Sepsis: Prevent it. Stop it. Treat it. Beat it.* The events were well attended and received sponsorship from various entities in corporate Jamaica.

### **Accreditation**

The Department, led by Professor Monica Smikle, had its second interim surveillance assessment on June 11–12, 2019. Findings which did not fulfil the requirements of the International Standard ISO 15189 and/or the Department's Quality Management System (QMS) were subsequently addressed and closed within the required timeline. The Department of Microbiology has been granted continued accreditation to the ISO 15189:2012 standard.

### **The National Influenza Centre (NIC)**

The National Influenza Centre (NIC) under the leadership of Professor Monica Smikle continued to perform the important functions of influenza surveillance and diagnosis in Jamaica in keeping with World Health Organization (WHO) terms of reference for National Influenza Centres. The NIC activities were supported by the collaborative efforts of the Ministry of Health (MOH), Jamaica, Centres for Disease

Control Prevention (CDC), Atlanta, Pan American Health Organization (PAHO) and The University of the West Indies.

A comprehensive panel of influenza diagnostic tests, including polymerase chain reaction (PCR) assay and virus tissue culture/isolation, were available throughout the 2018/2019 Influenza season. This is particularly important to note as a two-fold increase was observed in the number of specimens analysed for Influenza in 2018/2019 compared to the corresponding period in 2017/2018. The increase in the number of cases investigated was accompanied by a 50% increase in the positivity rate for Influenza. During the period under review NIC was favourably assessed by two external organizations including PAHO, Washington, February, 2019 and Jamaica National Agency for Accreditation (JANAAC), June 2019. Additionally, a member of staff received CDC sponsored influenza diagnosis training in Mexico.

### **Antimicrobial Resistance:**

The UWI continued its partnership with the MOH in its fight against antimicrobial resistance. The Department of Microbiology, once again, through Dr Alison Nicholson, joined with the National Action Plan working group, to observe 'World Antibiotic Awareness Week' in the month of November. A symposium on the theme: *Antimicrobial stewardship: The last attempt to save our Antibiotics?* was held in both Kingston and St. Ann on November 14 and 16, 2018 respectively. Dr. Nicholson presented at both meetings on Antibiotic Resistance in Jamaica.

The Department, led by Dr. Alison Nicholson and Dr. Jerome Walker, using data collected from the Bacteriology laboratory, published Antibigrams which were distributed to all Consultants in the hospital. The idea behind the antibiograms was to keep all abreast of the organisms most commonly isolated from the hospital, along with their antibiotic susceptibility profile of organisms implicated in various infections in the hospital in order to guide empiric therapy while awaiting definitive culture results.

### **Infection Prevention and Control**

The Microbiology Department continued to lead the Infection Prevention and Control programme. Under the leadership of Dr. Alison Nicholson, there was a thrust to institutionalise Infection Prevention and Control throughout the hospital. Education and training of all sectors of the workforce continued to be emphasized. The 2018/2019 period called for increased surveillance measures in light of the outbreaks experienced. Dr Nicholson led the development of a proposal for a postgraduate diploma programme in Infection Prevention and Control. This was approved by The University of the West Indies, Jamaica and should start in 2020.

**Mycology: Environmental Investigation of Mould**

The Mycology laboratory continued to be a major income generator both from clinical and environmental samples received from the UHWI, UWI and outside of the University Campus.

The full potential of the laboratory has not yet been realised.

The continued growth and success of the laboratory will depend on capital investment in obtaining the necessary material and equipment for antifungal susceptibility testing. The introduction of susceptibility testing, and its promotion among health care institutions will need a concerted effort to achieve this objective. Also, there is a need for material and reagents for conclusive species identification of the various yeasts. This must also be considered for increased income generation.

**Surveillance Reports**

The Department of Microbiology continued to submit monthly surveillance reports to the Ministry of Health and Wellness:

- General Virology Report
- Bacteriology Report
- Dengue Report
- Chikungunya Report
- HIV Report

**Department of Microbiology Newsletter**

*It's a Small World*, was developed by Dr. Alison Nicholson in keeping with the desire to improve communication between the Department and the community it serves. It will keep the community informed of any developments in the laboratory that would be of interest and where necessary will provide updates on any advances in diagnostic methods available in the department as well as any developments in Infection Prevention and Control in the Healthcare setting. The newsletter will be sent three to four times per year.

**PAPERS PRESENTED****Poster Presentations**

- Butterfield TR, Hanna DB, Kaplan RC, Xue X, Kizer JR, Durkin HG, Young MA, Nowicki MJ, Tien PC, Golub ET, Floris-Moore MA, Titanji K, Fischl MA, Heath S, Palmer CS, Landay AL, **Anzinger JJ**. "HIV+ Women with Diabetes

Mellitus Exhibit CD4+ T Lymphocyte Immunometabolic Dysfunction". 10th International AIDS Society Conference on HIV Science. July 23, 2019, Mexico City, Mexico.

- Chin, A., Ali, I., Edwards, J., **Reynolds-Campbell, G.** "Kocuria species; A possible emerging foe in Jamaica". The University of the West Indies, Faculty of Medical Sciences 27th Annual Research Conference and Workshop 2018 Violence, Trauma and Development. *West Indian Medical Journal* 67, 4 (2018):39.
- Kerr JS, Aitken W, Gossell-Williams M, **Nicholson AM, Thoms-Rodriguez C.** "Characterisation of the Aetiological Agents and their Susceptibility Patterns in Patients with Complicated Urinary Tract Infections in the University Hospital of the West Indies, Jamaica". The University of the West Indies, Faculty of Medical Sciences 27th Annual Research Conference and Workshop 2018 Violence, Trauma and Development. *West Indian Medical Journal* 67, 4 (2018):39.
- Leys-Thomas YE, Thomas C, Burton N, **Anzinger JJ.** "Zika Virus Laboratory Diagnosis During the 2016 Jamaican Epidemic". The University of the West Indies, Faculty of Medical Sciences 27th Annual Research Conference and Workshop 2018 Violence, Trauma and Development. *West Indian Medical Journal* 67, 4 (2018):39.
- Pearson, K., Nelson, K., **Reynolds-Campbell, G.** "Non-viral etiology of conjunctivitis at a tertiary level hospital in Jamaica." The University of the West Indies, Faculty of Medical Sciences 27th Annual Research Conference and Workshop 2018 Violence, Trauma and Development. *West Indian Medical Journal* 67, 4 (2018):39.
- **Thoms-Rodriguez, C,** Facey, K, Edwards, J, **Reynolds-Campbell, G,** Wright, R, **Nicholson, A, Heslop, O.** "Cryptococcaemia in a Jamaican Cohort". American Society for Microbiology Microbe. June 20–24, 2019, Moscone Centre, San Francisco, California.

### Oral Presentations

- **Anzinger JJ.** "HIV in the Caribbean". 10th International Global Virus Network Meeting. November 28, 2018, Annecy, France.
- Christie DC, **Anzinger JJ.** "Jamaica VT study – Enrolments, Follow-up Preliminary Results & Lab Data". ZIKAction Consortium Meeting. November 3, 2018, Rio de Janeiro, Brazil.
- Clarke K, Porter R, Facey P and **Thoms-Rodriguez CA.** "Essential oil composition and antimicrobial activity of *Cannabis sativa* grown in Jamaica at five stages of maturity". 21st CAS General Meeting and Conference on Science Technology and Innovation – Vehicles for a Knowledge Based Economy. November 27–30, 2018, Mona Visitors' Lodge and Conference Centre.

- **Jackson ST.** FLU: “Where are we 100 years after the Great Pandemic? Assessing the Risk to Jamaica. Environmental Impact on Health: A Clear and present danger”. Medical Association of Jamaica, Symposium. June 6–9, 2019. The Jamaica Pegasus Hotel, Kingston, Jamaica.
- **Nicholson AM.** “Antibiotic Resistance: The Jamaican Journey”. World Antibiotic Awareness Week. November 14, 2018. Main Medical Lecture Theatre, UHWI.
- **Nicholson AM.** “Antibiotic Resistance: The Jamaican Journey”. World Antibiotic Awareness Week November 16, 2018. Hibiscus Lodge, St Ann.
- **Reynolds-Campbell, G.** “Current status of diagnosis, treatment and surveillance of Histoplasmosis: analysis by regions: The Caribbean”. 2nd meeting of the International Histoplasmosis Advocacy Group (IHAG). March 22–24, 2019. Manaus, Brazil.
- **Reynolds-Campbell, G.** “Role of the environment in infection”. 8th Annual Scientific Conference of the Ophthalmological Society of Jamaica, Infection Control Symposium March 9, 2018. Legacy Suite, Jamaica Pegasus.
- **Thoms Rodriguez C.** “Tuberculosis: Updates on Diagnosis, Infection Prevention and Control”. Medical Association of Jamaica, Symposium. June 6–9, 2019. The Jamaica Pegasus Hotel, Kingston, Jamaica.

## PUBLICATIONS

### Refereed Journal Articles

- Ali I, Mundle M, **Anzinger JJ**, Sandiford SL, Butterfield TR, Crowe SM. “Tiger in the sun: A report of *Aedes albopictus* in Jamaica”. *Acta Tropica* 199 (2019):105–112.
- Arvind Babu RS, **Christian N**, **Lindo J**, Jones T, **Thoms-Rodriguez C**, Pinkney J, Thompson T, Barton E. “Molecular Epidemiology of Human Papillomavirus Genotypes in Oral Rinses from HIV Positive and HIV Negative Jamaican Patients”. *Journal of Investigative and Clinical Dentistry* 10:e12365 (2019). DOI:10.1111/jicd.12365
- Broor, S, Campbell, H, Hirve, S, Hague, S, **Jackson, S**, Moen, A, Nair, H, Palekar, R, Rajatonirina, S, Smith, PG, et al. “Leveraging the Global Influenza Surveillance and Response System for global respiratory syncytial virus surveillance-opportunities and challenges”. *Influenza Other Respiratory Viruses* (2019-00):1–8. DOI: 10.1111/irv.12672
- East J, T, Newnham M, Titus I, **Vickers I**, Brown H. “Guidelines on Management of the Patient with Diabetic Foot Infection”. In WIMJ Guidelines for Selected Surgical Diseases. *West Indian Medical Journal* 68, 2 (2019):18–26. DOI: 10.7727/wimj.2018.194

- Lee ML, **Lindo JF**, Auer, H, Walochnik, J. Successful extraction and PCR amplification of Giardia DNA from formalin-fixed stool samples. *Experimental Parasitology* 198 (2019):26-30. DOI:10.1016/j.exppara.2019.01.010
- Morse, GD, Lombardo, J.C, Forrester, T, Fletcher, H, McDonald, A, Talal, AH, Govindaraju, V, DeHovitz, J, **Lindo, JF**. Development of a dual university system health research partnership as a foundation for the Sustainable Development Goals. *The Lancet Global Health* 6, Suppl. 11 (2018): DOI:10.1016/S2214-109X(18)30140-2
- Rajendra Santosh, AB, **Christian, NA**, Jones, T, **Thoms-Rodriguez, CA**, Condappa, A, Thompson, T, Pinkney, J, Barton, EN, **Lindo, JF**. Molecular epidemiology of human papillomavirus genotypes in oral rinses from HIV-positive and HIV-negative Jamaican patients. *Journal of Investigative and Clinical Dentistry* 10, 1(2019):e12365. DOI:10.1111/jicd.12365
- **Reynolds-Campbell G, Nicholson A, Christian N, Willey B, Mazzulli T**. “16s rRNA methyltransferases in Gram negative bacilli from a tertiary care hospital in the Caribbean”. *West Indian Medical Journal e-Published: 08 Mar, 2019* Doi: 10.7727/wimj.2018.131
- Willis R, **Heslop O**, Bodonaik N, Thame M, Smikle M. “Morbidity, mortality and antimicrobial resistance of pneumococcal infections in the Jamaican paediatric and adult populations”. *Human Antibodies* 27,2 (2019):155-160. DOI:10.3233/HAB-180361
- Willis R, **Smikle M, Heslop O** et al. “Pneumococcal disease burden, clinical presentations and vaccine coverage in the Jamaican population”. *Human Antibodies*. 26,4 (2018):193-199. DOI:10.3233/HAB-180338IOS.

### Technical Reports

- Hirve S, **Jackson S**. “WHO RSV surveillance – phase 1 overview, what’s new in phase 2?” WHO Meeting to Launch Phase-2 of the RSV Surveillance Based on the Influenza Platform. April 10–12, 2019, Kathmandu, Nepal.
- **Jackson S**. “RSV typing – logistics, timelines”. WHO Meeting to Launch Phase-2 of the RSV Surveillance Based on the Influenza Platform. April 10–12, 2019, Kathmandu, Nepal.
- **Jackson S**. “RSV surveillance monitoring and evaluation”. WHO Meeting to Launch Phase-2 of the RSV Surveillance Based on the Influenza Platform. April 10-12, 2019, Kathmandu, Nepal.
- **Jackson ST**. “WHO Global RSV Surveillance Sustainability”. WHO Meeting of Final Review of the RSV Surveillance Pilot based on GISRS. October 23–25, 2018, Bangkok, Thailand.



- **Jackson ST.** WHO Meeting of Mid-term Review of the RSV Surveillance Pilot Based on the Global Influenza Surveillance and Response System. December 18–20 2017 PAHO, Washington DC, USA. WHO Reference number: WHO/WHE/IHM/2019.2 <https://apps.who.int/iris/bitstream/handle/10665/311960/WHO-WHE-IHM-2019.2-eng.pdf>

## **INCOME GENERATION**

**Source:** Ministry of Health

**Title:** Identification of human viruses circulating in Jamaican mosquito species by next generation sequencing

**Grant Period:** 2019-2020

**Total Amount:** JA\$1,500,000.00

**Principal Investigator:** Joshua Anzinger

**Source:** UWI/SUNY Collaboration

**Title:** Evaluation of a Sputum Washing Device as a Means of Improving the Diagnostic Accuracy of the Sputum Gram Stain

**Grant Period:** 2019

**Total Amount:** USD\$8000

**Co-principal Investigator for Pilot Study:** Camille-Ann Thoms-Rodriguez

## **PUBLIC SERVICE**

**Anzinger JJ**

- Member, Caribbean Sub-regional Certification Committee for the Global Eradication of Poliomyelitis. Pan American Health Organization (PAHO). 2015–present.
- Member, The Arbovirus Diagnostic Network of the Americans (RELDA). 2017–present.
- Director, Global Virus Network, Jamaica Affiliate. Global Virus Network. 2018–present.
- Participant, Expert Consultation Meeting; Technical Guidelines for Laboratory Diagnosis of Arboviral Infections. Pan American Health Organization (PAHO). Washington, DC, USA; August 27–29, 2018.

**Lindo, J**

- Member, Board of the University Hospital of the West Indies

- Member, Scientific Leadership Committee, Center for Integrated Global Biomedical Sciences, University at Buffalo, SUNY.
- UWI liaison to Ministry of Health on Mosquito Research and Control Unit
- Co-chair (with Gene Morse) UWI/SUNY Global Health Research Taskforce
- Membership Chair, Rotary Club of New Kingston
- Chair, Finance Technical Working Group Caribbean Public Health Laboratories Network.

#### **Reynolds-Campbell, G**

- Moderator at the Ministry of Health's 9th Annual Health Research Conference (2018)
- Moderator at the Caribbean Association of Clinical Microbiologists' (CACM) conference (2018)
- Jamaican delegate and member of the International Histoplasmosis Advocacy Group (IHAG) (2019)
- Member of Caribbean Association of Clinical Microbiologists (CACM) (2009–present)
- Secretary of the CACM (2017–present).

### **STUDENTS**

#### **Awards**

- **Tiffany Butterfield (PhD student)** – Abstract accepted for presentation at 10th International AIDS Society Conference on HIV Science (peer-reviewed selection).
- **Ynolde Leys (DM student)** – American Society for Microbiology Microbe Best Poster Prize: "ZIKA Virus Laboratory Diagnosis during the 2016 Jamaican Epidemic. The University of the West Indies Faculty of Medical Sciences 27th Annual Research Conference 2018.

# DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

**Dr. Carole Rattray, MBBS, DM (O&G), FRCOG, FACOG – Head of Department**



## WORK OF THE DEPARTMENT

The academic staff in the department consists of 5 senior lecturers, 6 lecturers and 6 associate lecturers. We offer subspecialty care in Fertility Management/Assisted Reproduction, Maternal-Fetal Medicine, Gynaecological Oncology and Urogynaecology in addition to general Obstetrics & Gynaecology. We offer undergraduate and postgraduate courses and have two Fellowship Programmes in Maternal-Fetal Medicine (MFM), in association with the PROMAC initiative and Gynaecological Oncology in association with the International Gynecologic Cancer Society.

### Obstetric Perinatal Service

This service manages high risk Obstetric cases and accepts referrals from the rest of the island. The Unit provides teaching for postgraduate and undergraduate medical students. Perinatal Audits occur monthly as a joint meeting with the Department of Child Health and the annual conference in February of each year is run by the High Risk Obstetric team in collaboration with the Neonatologists & Neonatal Pathologists.

The Labour Ward and Postnatal Services are supervised by consultants Drs. Michelle Campbell and Lenroy Bryan with assistance from Dr. Cathy Maddan. These consultants also teach undergraduate and postgraduate students as well as midwives in training.

The Department offers Obstetric Ultrasound Services to both the University Hospital of the West Indies and referrals from outside the University. Ultrasound courses are offered twice a year following on the PROMAC initiative. Ultrasound training is spearheaded by Dr. Nadine Johnson and Dr. Tiffany Hunter.

### Obstetrics Skills & Drills

We offer 2 Emergency Obstetrics Workshops (JOTTIE) each year sponsored by Ferring Pharmaceutical Ltd and offered as a multi-disciplinary training workshop for

Anaesthetic Residents, Accident and Emergency Residents, Paediatric Residents, Obstetrics & Gynaecology Residents and midwives from The University Hospital and Government Hospitals. It takes place in the simulation lab of the School of Nursing.

### **Oncology Unit**

Dr. Taylor & Dr. Bambury are the two trained gynaecological Oncologists in the department and together with Professor Fletcher, Dr. Rattray & Dr. Mitchell & Dr. Medley, form the Gynaecological Oncology Team. They are assisted by Sister Murdoch and her team of Oncology nurses as well as administrative secretary Miss Thompson. Residents rotate through the unit spending 2 months in the Colposcopy and general Oncology areas. Patients requiring colposcopy in the management of the abnormal cervical smear are seen in the Colposcopy clinics while patients with gynaecological malignancies, are seen in the Oncology clinic both in preparation for surgery and for post-surgery follow-up, post chemotherapy and radiation therapy. The Unit also has facilities for teaching both undergraduate and postgraduate students

### **Fertility Management Unit**

Dr. Vernon DaCosta is the director of this unit and together with Drs. Shaun Wynter, John Harriott, Loxley Christie, Sharifa Frederick and Michelle Bailey as clinicians, offer assisted reproductive referral services. Other staff members are Miss Denise Everett, a senior embryologist (Biologist) and Miss Hillary Walters, a staff Nurse as the coordinator of the programme. This team has championed the In Vitro Fertilization and Embryo Transfer Programme for Jamaica and the Caribbean. Pregnancy rates continue to improve and frozen embryos and donor eggs are now being stored. Minimally invasive procedures such as hysteroscopy and laparoscopy (both diagnostic and therapeutic procedures) are provided as day case procedures and the family planning clinic offers contraceptive and sterilization advice.

### **STAFF**

#### **Dr. Carole Rattray**

Position: Head of Department & Senior Lecturer

Responsibilities – Administrative, Teaching Undergraduate & Postgraduate students, Chair Fellowship in Gynaecological Oncology, Research.

#### **Dr. Shaun Wynter**

**Position: Senior Lecturer** – Assigned to Firm A with the concentration of work within the HWFMU and the general gynaecology clinic and wards.

Provides Departmental coverage for Head of Department in absence of Dr. Rattray

## TEACHING

### Undergraduate

Junior and senior clerkship tutorials as assigned. Students rotating on firm A to HWFMU, the wards and GOPD-A

### Postgraduate

Moderator and examiner of the DM teaching module, Principles of Gynaecologic Surger , January – March 2018.

Residents rotating to the HWFMU for endoscopic surgery training.

### Research

Preparation of protocol for chronic pain and Endometriosis.

### Income Generation

The endoscopic surgery procedures that I perform in the HWFMU are all income generating for the UWI.

## OUTREACH

- Member of the ISGE CAGES organising committee that planned the Intensive Endoscopic Training Week was held in September 2018.

### Papers / Posters Presented (Major conferences/Seminars)

- Common Gynaecological Issues in Adolescence. The Ministry of Health *in collaboration with* University Hospital of the West Indies 8th annual national workshop “*The Adolescent Patient*” Braco Melia Hotel, Jamaica, November 25, 2018.

## PUBLICATIONS

- K Carroll, A M Pottinger, S Wynter and V DaCosta Marijuana use and its influence on sperm morphology and motility: identified risk for fertility among Jamaican men Andrology. Accepted for publication 23 May, 2019.

## **PUBLIC SERVICE (MEMBERSHIP ON COMMITTEES/BOARDS OUTSIDE OF UWI)**

### **Awards/Prizes**

- November 2018 awarded the degree of **Master in Minimally Invasive Gynecologic Endoscopy** from the International Society for Gynecologic Endoscopy, ISGE

**Dr. Santosh Kulkarni**

**Position; Senior lecturer**

Teaching

Undergraduate- UG module in 3rd year, MBBS and 4th and 5th year clerkships

Postgraduate-

1) Convener of the module system for the DM curriculum at Mona

2) Commenced new cycle July 2016 to June 2020

Novel module Sept-Dec 2018 with Dr. C. Maddan Sexual medicine, covering issues female/male sexuality in health and disease. LGBTQ issues

**Dr. Donnette SimmsStewart**

**Position: Senior Lecturer**

Papers presented – Video presentation, “Fontana Mother and Child Initiative”. To be used in antenatal clinics in Jamaica.

Income generation – **Folic Acid Clinical Trial: Follow up of children (FACT 4 CHILD)** – \$US 3000

Public service – President *American college and Obstetricians and Gynaecologists – West Indies Section*

Students – Co-ordinator Urogenital Module

**Dr. Tiffany Hunter-Greaves**

**Position: Lecturer** – continues to champion the training of MFM specialists

**Dr. Nadine Johnson**

**Position: Lecturer** – Undergraduates, Postgraduates supervisor for Natasha Belmar – final year resident, Shanea Gibson – 3rd year resident.

**Academic pursuits** – Attended International Society of OBGYN annual clinical meeting October 2018.

**Dr. Cathy Maddan****Position: Associate Lecturer**

Research in preparation

The effect of UV light treatment on perineal healing after a vaginal delivery –

Dr. Cathy Maddan, Dr. Michelle Campbell Mitchell, Dr. Lenroy Bryan, Dr. Jody Ann White.

The impact of pregnancy and the puerperium on female sexual function in Jamaica.

Dr. Cathy Maddan, Dr. Michelle Campbell Mitchell, Dr. Lenroy Bryan, Dr. Melissa Forbes, Dr. Dominique Goldson.

**RESEARCH IN PROGRESS**

- Cervical health after a subtotal hysterectomy. – Dr. Cathy Maddan, Dr Astrid Batchelor, Dr. Peta Gaye Brown, Professor Horace Fletcher.
- Maternal near misses at the UHWI. – Dr. Cathy Maddan , Dr. Andre Brathwaite, Dr. Santosh Kulkarni.

**Completed research awaiting publication.**

- JAMAICA OBSTETRIC TEACHING AND TRAINING IN EMERGENCIES (JOTTIE) and its effectiveness. – Dr. Carole Ratray, Dr. Michelle Campbell Mitchell, Dr. Cathy Maddan, Dr. Lenroy Bryan.

**Committees**

- National Committee for Maternal Health, Ministry of Health & Wellness.
- National Guideline Development Committee for Obstetric Emergencies
- Team Member of Jamaica Obstetric Teaching and Training in Emergencies (JOTTIE).

**Charity**

- Scholarship Founder for Hampton Old Girls Association – Best Performance in Science at CXC.
- Saxthorpe Methodist Church Medical Clinic.
- Elsie Beaman Home for Girls Medical Volunteer.

**Dr. Michelle Campbell Mitchell****Position: Associate Lecturer**

Research in preparation

- The Impact of Pregnancy and the Puerperium on Female Sexual Function in Jamaica -  
Dr. Cathy Maddan, Dr. Michelle Campbell Mitchell, Dr. Lenroy Bryan, Dr. Melissa Forbes, Dr. Dominique Goldson.
- The Effect of UV Light Treatment and Perineal Healing after a Vaginal Delivery  
Dr. Cathy Maddan, Dr. Michelle Campbell Mitchell, Dr. Lenroy Bryan, Dr. Jody-Ann White.

### **Research in progress**

- A Randomized Controlled Trial of Tranexamic Acid for the Reduction of Blood Loss in Women Undergoing Caesarean Section Deliveries.  
Dr. Carole Rattray, Dr. Jacqueline Minott, Dr. Leslie Samuels, Dr. Michelle Campbell Mitchell, Dr. Astrid Batchelor, Dr. Andre McDaniel, Dr. Althea Mitchell.

### **Completed research awaiting publication**

- Jamaica Obstetric Teaching and Training in Emergencies (JOTTIE) and its effectiveness  
Dr. Carole Rattray, Dr. Michelle Campbell Mitchell, Dr. Cathy Maddan, Dr. Lenroy Bryan.

### **Presentations**

- A Randomized Controlled Trial of Tranexamic Acid for the Reduction of Blood Loss in Women Undergoing Caesarean Section Deliveries  
Dr. Carole Rattray, Dr. Jacqueline Minott, Dr. Leslie Samuels, Dr. Michelle Campbell Mitchell, Dr. Astrid Batchelor, Dr. Andre McDaniel, Dr. Althea Mitchell.
- Jamaica Obstetric Teaching and Training in Emergencies (JOTTIE) and its effectiveness  
Dr. Carole Rattray, Dr. Michelle Campbell Mitchell, Dr. Cathy Maddan, Dr. Lenroy Bryan.

Both papers are to be presented at ACOG Annual District Meeting, September 27–29, 2019.



### **MEDICAL CHARITY/PUBLIC SERVICE**

- Hope Gospel Assembly Care Clinic
- Hope Gospel Assembly Back-To-School Fair Charity

### **NON-ACADEMIC STAFF**

Mrs. McLeanGuthrie, Senior Secretary

Miss Shauna Grant, Junior Secretary

Mrs. Wheeler Grant & Mrs. McLean, Laboratory Attendants

Miss Adequate Benjamin, Laboratory Technician

### **INTERNATIONAL Publication History**

Issue published online: 13 July 2010

Article first published online: 13 July 2010

### **VISITORS TO THE DEPARTMENT**

- Visiting ISGE surgeons from Belgium, Italy, Iran and India performed endoscopic cases in the HWFMU, alongside myself and other Firm A consultants, from September 24–28 2018.
- Professor Anthony Armson – Dalhousie University – MFM.
- Dr. Ian Harley – Belfast University – External Examiner Gynaecological Oncology.

### **PUBLICATIONS**

- K Carroll, A M Pottinger, S Wynter and V DaCosta Marijuana use and its influence on sperm morphology and motility: identified risk for fertility among Jamaican men Andrology. Accepted for publication 23 May, 2019.



## DEPARTMENT OF PATHOLOGY

Dr. Gilian Wharfe – Head of Department

### WORK OF THE DEPARTMENT

The department continues to strive for excellence and to meet the requirements of the UWI strategic plan. However we are continually beset with financial challenges that hamper our progress. This year we were unable to meet the target of two publications per staff per year publishing only eight peer reviewed papers, three abstracts and two book chapters. Nevertheless we remain committed to research and innovation and were able to continue our collaboration with SickKids, NIH and also to secure a grant to continue research on Breast Cancer and a new grant proposal was submitted to NNHF. The Cytogenetics Lab continues its research in cytogenetics and to train staff in *fluorescence in situ hybridization* (FISH) which the laboratory hopes to start performing soon. Also, several members of the department were asked to contribute to an article on Cancer control to be published in the Lancet as detailed below.

### Laboratories and Autopsy Service

The Histopathology Laboratory accessioned and processed 9,691 surgical cases which generated 50,958 tests. Total immunohistochemistry tests were 1,446. The Cytology Laboratory processed 3,076 pap smears 2371 gynaecological and 705 non-gynaecological cases. A total of 97 autopsies were performed, 26 perinatal and 71 adults. The Chemical Pathology Laboratory performed a total of 5,866 tests and Routine Haematology Laboratory performed 109,425 tests. The Blood Bank processed 3,560 blood donors and performed 19,477 tests.

### Histology Laboratory

Miss Joyce Sterling attended the 44th Annual National Society for Histotechnology (NSH) Symposium/Conference held at the America's Center Convention complex St.

Louis, Missouri from September 21–26, 2018. By attending the NSH Symposium she gained new insight in modern methodologies and opportunities available in Histotechnology which can be of great value to the practice of Histotechnology/Medical Technology in Jamaica. One such technique is the processing of tissue without the use of xylene, which may be replaced by isopropanol which is environmentally friendly and significantly less toxic. She also participated and won a competition for which she was awarded textbooks, flash cards, cover slips Thermo Scientific Disposable Hoppers for automatic staining machine and glass slides, which she donated to the department.

### **Accreditation**

In the academic year 2018/2019, tests in the sub-disciplines of Chemical Pathology, Haematology, Cytology and Flow Cytometry Laboratories in the Department of Pathology were accredited by the Jamaica National Agency for Accreditation (JANAAC), effective October 8, 2018 for 4 years with yearly surveillance visits to the Department by JANAAC assessors. The four medical laboratories received ISO 15189 certification. JANAAC is the national accreditation body of Jamaica and is a signatory to the International Laboratory Accreditation Cooperation (ILAC), Mutual Recognition Arrangement (MRA) which promotes international confidence and acceptance of results from accredited laboratories. As an accredited laboratory, the Department of Pathology is now able to use the JANAAC logo and accreditation symbol on its reports and certifications.

## **TEACHING & LEARNING**

### **Undergraduate Programmes**

The Department remains committed to the teaching of Pathology in both Stages I and II of the MBBS programme, delivering lectures in all aspects and sub-specialties of Pathology. Every ten weeks 50–70 students rotate and sit the Pathology/Microbiology Stage II examination.

### **Graduate Programmes**

The DM programmes in the department continue, with offerings in Anatomical Pathology, Haematology/Oncology and Chemical Pathology. Three residents were accepted in the DM Anatomical Pathology programme this year making a total of seventeen residents in the programme. One was accepted in the DM Haematology/Oncology programme, bringing the total to ten residents in the programme. Three candidates sat the DM (Pathology) Part I examination in November/December 2018 and were successful and two sat the DM (Pathology) Part II exit examination in November/December

2018 and were also successful. One candidate sat the DM (Haematology/Oncology) exit examination in June 2019, and was successful.

## **RESEARCH & INNOVATION**

### **Jamaica Cancer Registry**

#### ***Work of the Unit***

The registration of cancers continued at the University Hospital of the West Indies. Cancer registration from other institutions in Kingston & St. Andrew was far less problematic than during the academic year 2017/2018, but further improvement is required.

#### **Personnel**

The nurse registrar staff complement remains at two (2). The registry requires an additional registrar to register cancer deaths.

#### **Research**

One research paper was published and this was produced from the work of a supervised project undertaken by UWI Mona medical student (now graduated) Krystal Mills:

International Association of Cancer Registries (IACR) Membership

The registry's IACR membership was renewed.

#### **Future goals**

Mortality registration

The registry continued to lobby for one additional registrar, in order to commence cancer mortality registration, but no post has yet been created.

### **Cytogenetics Laboratory**

#### ***Work of the Laboratory***

The Laboratory accessioned 20 blood specimens for karyotyping.

#### **Staff Complement**

1 Pathologist/Cytogenetics Analyst

1 Acting Laboratory Manager/Medical Technologist

1 Laboratory Technologist

### **Appointments**

A Senior Medical Technologist from the subdepartment of Chemical pathology, returned home from a period of study in the United Kingdom, where she pursued the degree of Master of Science in Biomedical Sciences. On her return to Pathology on October 1, 2018, she was assigned to the Cytogenetics laboratory, and she has been acting in the post of Laboratory manager since February 2019.

### **Training**

Mrs. Sandra Hing, Molecular Geneticist and Senior Laboratory Adviser to NHS England, spent two weeks in the laboratory (March 27–April 10, 2019), training staff in fluorescence *in situ* hybridization (FISH), as part of the department's plan to further develop the Cytogenetics Laboratory. This will allow for expanded clinical services, improved laboratory efficiency as a result of an increase in trained staff, and increased research capacity.

### **Teaching**

The Department of Pathology hosted an elective student Ms. Suzelin William from the University of Bradford, United Kingdom, for the period July 18 to August 2, 2019. During the period she rotated through two of our laboratories Cytogenetics (July 18–26) and Routine Haematology (July 29–August 2).

The section of Haematology hosted a graduate student Ms. Sonia Reid, from University of Vanderbilt who did an elective as part of her Public Health Masters programme. She did research on Breast cancer and had been able to secure a grant to continue this work in September 2019. The candidate worked closely with Drs. Gibson, Thompson and Wharfe as well as members of the Community Health and Psychiatry Department to do this study.

### **Future Collaboration**

Mrs. Hing is expected to return to the laboratory in 2020, in order to perform an evaluation of FISH testing, which it is hoped that the laboratory will be commencing early that year. She will hopefully also be able to train staff in molecular testing for tumours.

**Future Goals**

- Further training for medical technologists in FISH and molecular testing
- Re-establishment of FISH testing in 2020
- Introduction of molecular testing for tumours

**Initiatives/Activities*****Haemophilia Research***

This area continues to be active as we continue to register patients in the redcap registry created during the conduct of the Novo Nordisk Haemophilia Foundation (NNHF) grant. We also had a study approved by Mona Ethics research committee to conduct the assessment of an on-line tool for joint assessment in haemophiliacs. Jamaica and UWI were the only Caribbean country and Caribbean University included in the research which was to be conducted in August 2019.

In addition, a new grant proposal to NNHF was submitted.

We continue to work closely with World Federation of Haemophilia to provide training and clotting factor concentrates to persons with haemophilia.

***Sick Kids – Caribbean Collaboration***

This initiative continues with funding available for another 3 years. The areas of focus continue to be acute leukaemia and Haemophilia.

Recently the American Society of Hematology (ASH) will be conducting a treatment trial to include UHWI patients with Acute leukaemia. The study has received Ethics approval. This study aims to demonstrate that less aggressive therapy for these patients can result in positive outcomes with a reduction in early deaths due to treatment toxicity.

***National Institute of Health (NIH) collaboration***

Dr. Magdelene Nwokocha secured a Canada-Caricom scholarship in July 2019 and is due to go to Canada in September for a 6-month period for training in Haemostasis and blood Banking in order to enhance the current expertise in these two areas. This will be done under the supervision of staff at Sickkids Hospital and St. Michaels Hospital both in Canada.

Haematology section was contacted by NIH to participate in a trial to enroll patients with Aplastic Anaemia to receive early treatment. There was a planned visit by the team from NIH for September 2019 to assess the sites suitability to enroll patients. The Principal Investigators on this would be Drs. Brady-West and Wharfe.

The HTLVI collaboration with NIH continues with referrals for treatment and follow up of cases with this deadly disease as we seek to improve outcomes for these patients.

#### **Lancet**

Several members of staff (Drs. Gibson, Wharfe and Professor Hanchard) were asked to contribute to an article as part of a series of articles on Cancer Control in small island nations. This article is due for publication in *Lancet Oncology* in August 2019 and includes 65 authors from 27 countries.

### **PAPERS PRESENTED AT CONFERENCES AND SEMINARS**

#### **Poster Presentation**

- M. Nwokocha, D. Brady-West, G. Wharfe “Acute Blood Transfusion Reactions in the University Hospital of the West Indies” Faculty of Medical Sciences 27th Annual Research Conference, November 8–11, 2018.

#### **Presentations**

- L. Williams, M. Bakir, D. McGrowder, N. Chukwuemeka, and H Asemota. “Use of metallic semicarbazone complexes in the management of type-2 diabetic rat”. The 25th Annual Diabetes Conference on Diabetes and the Heart, April 25–27, 2019 at The Jewel Runaway Bay, St. Ann Jamaica. *Jamaica Journal of Science and Technology Vol. 29* (supplement 4):51
- D. Lowe, “Targeted Therapy in colorectal Cancer.” Annual Colon Cancer Symposium, Pegasus Hotel, March 10, 2019.
- D. Lowe, “Risk Reduction Strategies for Breast Cancer.” Annual Breast Cancer Symposium, Pegasus Hotel, October 7, 2018.
- Lecture to Medical Representatives in the Caribbean on Current management of Chronic Lymphocytic Leukaemia, **Gilian Wharfe**, [Online] May 2019
- Association of Surgeons – “Neoadjuvant chemotherapy in Breast cancer”; **Gilian Wharfe**, Kingston, Jamaica, May 2019
- Jamaica Cancer Society Dr. Joseph Hall Memorial Lecture- “NCCN Harmonized guidelines in Cervical cancer”; **Gilian Wharfe**, Kingston, Jamaica, April 2019.

#### **BOOK CHAPTER**

- Sherune Gardner, Natwaine & JS Luke, Kedon & Wheatley, A.O. & G. De La Haye, Winston & Bahado-Singh, Perceval & Dilworth, Lowell & McGrowder, Donovan & Barton, Everard & Young, Lauriann & Salako-Akande, Ajibike &

Lowe, Henry & Morrison, Errol & Eldemire-Shearer, Denise & Asemota, Helen. (2019). Plasma Cocaine metabolite Levels and Liver CYP450 3A4 Isoenzyme Activity as Indicators of Cocaine metabolism in Rats Treated With Salako Supplements. In book: Strategic Application of Measurement Technologies and Instrumentation, Chapter: 1, Publisher: IGI Global Advances in Chemical and Materials Engineering (ACME) Book Series, pp.1 – 21. DOI: 10.4018/978-1-5225-5406-6.ch001.

- **D. Tucker, M. Anderson, F. Miller K. Vaz, L. Anderson-Jackson and D. McGrowder** (2019). Dietary antioxidants in the chemoprevention of prostate cancer. IntechOpen, DOI:10.5772/intechopen.85770. Available from: <https://www.intechopen.com/online-first/dietary-antioxidants-in-the-chemoprevention-of-prostate-cancer>

### PUBLISHED ABSTRACT

- Foster, S. R., **Dilworth, L.L.**, Omoruyi F.O., and Alexander-Lindo R. L. (2019)
- Combined Inositol Hexakisphosphate and Inositol displays anti-diabetic and antioxidant properties in Streptozotocin-induced Type 2 Diabetic Rats. Jamaican Journal of Science & Technology, 29(4), 49.
- Eon Campbell, Rachael Inving, **Lowell Dilworth** and Janel Bailey, “Biochemical and physiological stress and analysis in Jamaican junior track and field athletes during a season.” 2019 Annual Meeting, 10th World Congress of Exercise Is Medicine and World Congress on the Basic Science of Exercise, Circadian Rhythms and Sleep. Orlando, 2019.
- Eon Campbell, Rachael Irving, **Lowell Dilworth**, Janel Bailey (2019). Evaluating physiological stress response in Junior level track and field athletes. ACSM 60th annual meeting 2019. Medicine and Science in sports and exercise. 51:5.

### REFEREED JOURNAL ARTICLES

- Eon Campbell, Rachael Irving, Janel Bailey, **Lowell Dilworth** and Wendel Abel, “Overview of psychophysiological stress and the implications for junior athletes.” *American Journal of Sports Science and Medicine*, 6(3), 2018: 72–78.
- **Gibson TN**, Beeput S, Gaspard J, Geprge C, Gibson D, et al. “Baseline characteristics and outcomes of children with cancer in the English-speaking Caribbean: A multi-national retrospective cohort”. *Pediatr Blood Cancer* 2018 Dec;65(12):e27298. Doi:10.1002/pbc.27298.Epub 2018 aug 9.
- Mills KCS, **Gibson TN**, McNaughton DP, Hanchard B. “Oesophageal carcinoma in Jamaica, 1978–2007: Histological distribution and trends in incidence.” *West Indian Med J* 2019 [Epub ahead of print Feb 26, 2019; DOI: 10.7727/wimj.2018.015]



- **D. McGrowder**, D. Tucker and F. Miller. Prostate specific antigen in a tertiary teaching hospital. *Indian Journal of Applied Research* 2019; 9(3):4–7.
- P. Barrett-Brown, **D. McGrowder** and D. Ragoobirsingh. The level of satisfaction of diabetic patients with healthcare personnel attending outpatient health clinics in Jamaica. *International Journal of Diabetes and Clinical Research* 2019;6:101.
- **Wharfe, G.**, Buchner-Daley, L., Gibson, T., Hilliard, P., Abad, A., Boma-Fischer, L., Bouskill, V., Floros, G., Lillicrap, G., Lowe, Y., Lowe, D., Palmer-Mitchell, N., Rand, M.L., Teitel, J., Watson, A., White, R., Young, N.L. & Blanchette, V.S. (2018). The Jamaican Haemophilia Registry: Describing the burden of disease. *Haemophilia*, 24 (4), e179– e186. Impact factor 2.673. H Index – 84.
- Usuba, K., Price, V.E., Blanchette, V.S., Abad, A., Altisent, C., Buchner-Daley, L., Carneiro, J., Feldman, B.M., Fischer, K., Grainger, J., Holzhauer, S., Luke, K., Meunier, S., Ozelo, M., Tang, L., Antunes, S., Villaça, P., Wakefield, C., **Wharfe, G.**, Wu, R. & Young, N.L. (2019). Impact of prophylaxis on health-related quality of life of boys with hemophilia: An analysis of pooled data from 9 countries. *Research and Practice in Thrombosis and Haemostasis*, 3 (3): 397–404. Impact factor – not available. H Index – not available.
- Roberts, P., Powell, L., **Wharfe, G.**, Shah, S., Johnson, P., Thompson, R., Williams, N., & Arthurs, A. (2019). Colorectal cancer: guidelines to management. *West Indian Medical Journal*, 68 (Supp. 2), 27–38. doi 10.7727/wimj.2018.195. Impact factor 0.28. H Index – 28.

## **PUBLIC SERVICE**

### **Dr. D. McGrowder**

- Member, Accreditation Evaluation Committee, Jamaica National Agency for Accreditation (JANAAC)

### **Professor B. Hanchard**

- Cytopathology Consultant, Jamaica Cancer Society

### **C. Escoffery**

- Cytopathology Consultant, Jamaica Cancer Society

### **Dr K Bishop**

- Cytopathology Consultant, Jamaica Cancer Society

### **Dr. S. Shirley**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. M Bromfield**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. T. Gibson**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. L Dilworth**

- Board Member, North Eastern Health Regional Authority
- Board Member, University Council of Jamaica
- Board Member, The Council of Community Colleges of Jamaica

**Dr. N. Williams**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. G. Wharfe**

- Chair, Haemophilia Society of Jamaica
- Member, Oncology Advisory Board, National Health Fund

**Dr. J. Jaggon**

- Cytopathology Consultant, Jamaica Cancer Society

**Dr. S. Chin**

- Oncology Advisory Board, National Health Fund, Jamaica

**Dr. D. Lowe**

- Volunteer Clinician, National Blood Transfusion Service

**INCOME GENERATION**

- Fee paying account out patients
- Services for Tony Thwaites Wing
- Fee collection in Accident and Emergency area

**DISTINGUISHED VISITORS TO THE DEPARTMENT**

- Dr. Andrew Evans, Department of Pathology, University Health Network, Toronto, Canada – December 3–7, 2018
- Mrs. Sandra Hing, Molecular Geneticist and Senior Laboratory Adviser to NHS England – March 27–April 10, 2019
- Professor Juliet Daniel, Department of Biology, McMaster University, Hamilton, Ontario, Canada

## **AWARDS**

HTLVI project received the Principal's Research Award for research project attracting the most research funds in Faculty of Medical Sciences Research Day 2019.

### **Students – Undergraduate**

Dajoun Collins – Pathology/Microbiology Medal – Best Overall Performer.

Dajoun Collins – Prof. Stanley Brooks Book Prize – Best Overall Performer (Pathology).



## DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE

Professor Joseph Plummer, DM, FASCRS, FACS – Head of Department

### WORK IN THE DEPARTMENT

The Department of Surgery, Radiology, Anaesthesia and Intensive Care (SURRAIC), is the largest clinical department in the Faculty of Medical Sciences with four divisions namely Surgery, Radiology, Anaesthesia and Intensive Care and Emergency Medicine. During the year under review over 1500 undergraduates and postgraduates rotated through our Department and benefited from our teaching and learning. The Department also strives to provide leadership in research relevant to the region and clinical services and outreach to the deserving public. With this in mind we structured the Department's strategic plan on the pillars of: teaching and education, research, clinical services, infrastructure and outreach are aligned with the UWI guiding pillars of Access, Alignment and Agility.

### ACCESS

#### Teaching and Education

Measures aimed at improving the quality of teaching and learning at both the undergraduate and postgraduate levels were undertaken. This included a further revision of the learning objectives for all courses delivered by the SURRADIC Faculty and the inclusion of a mid-rotation formative assessment for our students. The Department's synchronised delivery of structured lectures and tutorials to our students at all teaching sites will be made easier with the commissioning of the Peter Fletcher Lecture Theatre which was refurbished during the academic year and will be our main site for the online delivery of lectures from the Mona Campus. The Skills Laboratory at the Faculty of Medical Sciences, Teaching and Research Complex (FMST&RC) is now the central clinical examination site. The use of this site for clinical skills acquisition is still limited, and we anticipate an increasing importance in this simulated environment for teaching in the upcoming year.

The integration of information technology in teaching and learning continues to be a major area of focus for the Department. All our multiple choice examinations are now done electronically which has led to significant cost savings in the printing of paper and the increase in usage of virtual classrooms using the Our Learning Environment (OurVLE) and Blackboard platforms have also continued apace. Our passes in the MBBS Surgery continues to be good with 93percent of our students being successful in in the recent examinations.

All postgraduate programmes, except two, have developed approved curricula; these include structured tutorials and the mandatory skills sessions in the simulated environment of the CHASE Carnegie Skills Laboratory. Structured sessions for anatomy, led by the Faculty, were introduced for our postgraduate residents as a direct response to the relatively poor passes in this subject area at the DM Part 1 Examinations.

The following students were awarded DM degrees:

<b>DM Anaesthesia</b>	<b>DM Emergency Medicine</b>
Perry Ann Daley-Ogilvie	Camille Rainford
Neville Samuel E Burke	Shiirray Bentinck
Anwull Nwakaego Odili	Sherayne English
Andrea Kimely Myers	Olsheath Bowen
Ogé Gordon	<b>DM Ophthalmology</b>
Loy Squires	Dana Richardson
Carlese Smith	<b>DM Orthopaedics</b>
Stephanie Powell	Pierre Williams
Ruth Ann Myers	<b>DM Otolaryngology</b>
Kerida Brice	Anika Mitchell
<b>DM Neurosurgery</b>	<b>DM Paediatric Surgery</b>
Michael Condell	Deon Flemmings
<b>DM Urology</b>	Autrene Buchanan-Waite
Dean Wong	<b>DM Radiology</b>
Adrian Rhudd	Dianne Gardner
Jeremy Thomas	Christina Bennett

During the period under review the Department benefited from several international guest lectures led by MBBS External Examiner, Professor Ralph George from the University of Toronto. Additional presenters were Professor Ronnie Sebro, Department of Radiology, University of Pennsylvania and Professor Arthur Burnett from John Hopkins University. The Department in conjunction with the Guttmann's Institute from Barcelona and the Ministry of Health also held a mini symposium in November 2018 on "The Multidisciplinary Approach to Rehabilitation". The FMS, SURRADIC

and Gillette Children Hospital celebrated the 10th Anniversary of the Spasticity Workshops in May 2019. Given the high burden of trauma generally including road traffic accidents in the society and the limited rehabilitation services currently available, rehabilitation will be an area for increase clinical services and research for the Department in the upcoming years.

## RESEARCH

Members of the Department continue to play an active part in research and research related activities. We have not met the target of 1.5 publications per academic staff but for this academic year we have seen a marginal increase in our peer reviewed publications compared to the previous year. Our efforts at attracting more funded research was met with limited success.

The Department's partnership with the Association of Surgeons in Jamaica which saw the development of Guidelines for Selected Surgical Diseases culminated with the publication of a Supplemental in the *West Indian Medical Journal*. In addition to an editorial on the importance of guidelines and protocols in modern surgical care, the surgical diseases covered included acute gallstones pancreatitis, diabetic foot infections, breast cancer, colorectal cancer, preoperative anaesthesia evaluation, gallstones in patients with sickle cell disease, and ICU admission and discharge criteria. The impact of these guidelines can be measured by pre-and post implementation audits and these are currently being investigated by the faculty.

The 17th staging of the Caribbean Neurosciences Symposium and Charity Golf Tournament was held in February 2019 at the Montego Bay Convention Centre. Topics included areas of cancer, spine infection, stroke, trauma, track and field injury prevention and cannabis research. The Symposium was organised and hosted by the Caribbean Neurological Association along with the Department of Surgery, Radiology, Anaesthesia and Intensive Care and the Division of Neurosurgery at the University Hospital of the West Indies.

The Department held its 29th Annual Research Evening in March 2019 and this event was made successful with the donations of various prizes for outstanding presenters. Guest speaker Professor Marvin Reid, spoke on, "Collaborative Networks: The Basis for Advancement in the Sciences". The main prize of JA\$100,000.00 was won by Dr Ruth-Ann Myers for her presentation entitled "Post-Operative Vomiting in the Paediatric Patient: An Evaluation of Associated Factors in the Outpatient Population at the Bustamante Hospital for Children".

The Department hosted in July 2019, the JMMB Group and Joan Duncan Foundation sponsored 18th William Dennis Memorial Lecture and this was the final lecture chaired by the late Professor Barrie Hanchard. The lecture entitled, "Healthy Lives, Climate Matters" was delivered by Dr Michael Taylor, Dean, Faculty of Science and Technology, was a success.

The Department maintains three Academic Research Registries:

### **The Trauma Registry**

We had a complete overhaul of this registry with the now use of the open source software RedCap as a cost savings measure. Over 21,000 records continue to provide ample research material for injury related studies.

### **The Intracranial Tumour Registry**

Based in the Section of Surgery's Research Office is, constituted of over 1,200 patient records, utilising the software CNExT. This project is a collaborative effort between the Neurosurgery Service in the Section of Surgery and the Sections of Radiology and the Department of Pathology, UWI. It is a radio-clinico-pathological database of intracranial tumours.

### **The Colorectal Cancer Registry**

This registry maintains a database on all cases of colorectal cancer sourced from major health facilities across Jamaica. To date over 1,600 cases have been recorded since its inception in January 2011. This data allows for evidence-based research in the diagnosis and treatment of colorectal cancer and has been the source data for several abstracts presented at the annual meeting of the Association of West Indian Gastroenterologists in April 2019 and the Annual Colorectal Cancer Symposium at the Jamaica Pegasus in March 2019 where the results of the first 1,000 patients were presented.

## **CLINICAL SERVICES**

During the academic year the Department has benefited from increased support from the management team of the UHWI. This led to an overall increase in the total number and complexity of the clinical experience. The highlight of this was the creation of a multidisciplinary renal transplant team comprised of local faculty, Transplant Links Community and Dr Vaughn Whittaker transplant surgeon and adjunct lecturer in the Department. The patients transplanted are all doing well and are now dialysis free. Albeit that the programme is in its infancy, it has the full support and is actively engaged with the Ministry of Health through the National Health Fund to scale upwards to meet the burden of this chronic non-communicable disease on the population.

## STAFFING

### Promotions

- Dr Patrick Roberts: Senior Lecturer
- Dr Wayne Palmer: Tenure

### Employee Developments

- Dr Jean Williams-Johnson – Diploma in Medical Education from the University of Dundee
- Dr Belinda Morrison-Blidgen – PhD candidate in epidemiology at CAIHR
- Dr Gareth Reid – reading for the Masters of Science in Epidemiology at CAIHR
- Dr Ingrid Tennant – PhD candidate in epidemiology at CAIHR

## AGILITY

### Outreach Programmes

Outreach by way of presentations, whether by public fora or newspaper articles to the general public by faculty members is encouraged.

- **Soares D**, “The Importance of Mammographic Screening in the Early Detection of Breast Cancer”, Barbados Breast Cancer Society public lecture, Lloyd Erskine Sandiford Complex, Barbados, October 2018.
- **Soares D**, “The Importance of Mammographic Screening for the Early Detection of Breast Cancer”, *Good Morning Barbados* on CBCtv with Dr Shirley Jhagroo, Chair of the Barbados Breast Screening Programme, October 2018.
- **Soares D**, Research Activities in Breast Cancer and Sickle Cell Disease, Interviewed on UWItv, October 24, 2018.
- **Williams-Johnson J**, “Consumers Must Be Aware of the Many Forms of Acetaminophen”, *The Jamaica Observer*, November 20, 2018.
- **Plummer JM**, “The Burden of Cancer and the Changing Scene” Presented at the Rotary Club of New Kingston & Rotary Club of St Andrew on February 8, 2019 and March 5, 2019 respectively.

## INFRASTRUCTURE

The Department undertook the structural renovation of the Small Medical Lecture Theatre renamed in honour of former Head of Department and Professor of Surgery,



**PETER FLETCHER LECTURE THEATRE.** Peter Fletcher was the doyen of surgery in Jamaica and died peacefully in May 2017. The renovation project, managed by Dr Mark Newnham, is funded by donations received from, the Tony Thwaites Wing, the Dean's Office of the Faculty of Medical Sciences and SURRADIC faculty members. The lecture theatre will be the main location for various multidisciplinary clinical meetings namely: Post-graduate seminars, Tumour Boards, Hepatobiliary Rounds, Mortality and Morbidity Grand Rounds, both locally and remotely with international partners. This renovation project, which when fully completed will cost approximately J\$12 million also includes the renovation of the adjoining male and female students' restrooms.

## **PAPERS PRESENTED**

### **Major Conferences/Seminars**

- **W Aiken**, "Jamaica Health & Lifestyle Survey III Male Sexual & Reproductive Health" Dissemination Meeting and Press Briefing, Mona Visitors' Lodge, September 2018.
- **W Aiken**, "Caribbean Men's Risk of Developing Prostate Cancer" CME Talk, Caribbean College of Surgeons Annual Scientific Meeting 2019, The Guyana Marriot, Georgetown, Guyana, June 20, 2019.
- **W Aiken**, "Castration-Resistant Prostate Cancer: An Update" Recharged Distributors Ltd Continuing Education Seminar to Pharmacists, The Jamaica Pegasus, August 18, 2019.
- **MEC McFarlane**, 31st Annual Sir Harry Annamonthodo Memorial Lecture, "Training the Modern Surgeon: Learning from the Past and Planning for the Future", Association of Surgeons in Jamaica 61st Annual Clinical Conference, The Jamaica Pegasus, May 2019.
- **I Tennant**, "Intervening to Repair Neuropsychological Deficits in Adult Survivors of Severe Childhood Malnutrition", The Royal Society Frontiers of Science meeting, London, UK., March 2019.
- **W. Palmer**, "Recent Advances in the Management of Knee Ligament Injuries in Athletes" Jamaica Sports Medicine Association Mini Symposium, September 2018.
- **W. Palmer**, "Arthroscopic Rotator Cuff Repair", Second Minimally Invasive Surgical Symposium by the Southern Regional Health Authority, April 2019.
- **Mowatt L**, "Computer Vision Syndrome, an Under Diagnosed Health Issue", Medical Association of Jamaica Conference, Jamaica Pegasus, June 2019.
- **Mowatt L**, "Surgical Management of Diabetic Retinopathy" Ophthalmological Society of Jamaica, The Jamaica Pegasus, March 29, 2019.

- **Mowatt L**, “Non Traumatic Eye Injuries” Caribbean Association of Neurosurgeons Symposium, Montego Bay Convention Center, February 23, 2019.
- **Mowatt L**, “Effectivity of Micropulse Laser in Diabetic Macula Oedema” Central College of Ophthalmology of Eastern Central and Southern Africa 6th Annual Congress Meeting, United Nations Conference Center, Addis Abba, Ethiopia August 30, 2018.
- **Bruce C**, “Challenges in Anterior Base of Skull Region”, Surgical Approaches to the Skull Base Course, Weil Cornell Medical College, NY, USA, December 15, 2018.
- **Bruce C**, “Challenges in Posterior Skull Base Surgery”, Surgical Approaches to the Skull Base Course, Weil Cornell Medical College, NY USA, December 12, 2018.
- **Bruce C**, “The Significance of the Post-Operative Syring in Syringomyelia 1988-2018”, Caribbean Neurosciences Symposium, Montego Bay Convention Centre, February 21–23, 2019.
- **Bruce C**, “An Approach to Headaches and Signs of Stroke – General Practitioners Update”, Lady Musgrave Lounge, Kingston, Jamaica, April 25, 2019.
- **Plummer J**, “Surgical Education and Training”, Caribbean Neurosciences Symposium, Montego Bay Convention Centre, February 21–23, 2019.
- **Plummer J**, “Advances in Surgery for Colorectal Cancer”, Association of West Indian Gastroenterologist, Melia, Braco Village, April 24–27, 2019.
- **Plummer J**, “Colon Cancer Registry in Jamaica: Results of 1st 1,000 cases” Jamaica Pegasus, March 10, 2019.
- **Vaughan K**, “The Painful Shoulder”, Caribbean Neurosciences Symposium, Montego Bay Convention Centre, February 21–23, 2019.
- **Morrison B** “Medical Management of Prostate Cancer: Challenges and Available Local Options” Biotech R & D 8th Anniversary, Faculty of Medical Sciences UWI, December 2, 2018.
- **Morrison B** “Cardiovascular Disease and Male Sexual Dysfunction” The British Virgin Islands Health Authority Cardiovascular Symposium, Tortola, BVI, February 16, 2019.
- **Morrison B** “Current State of Prostate Cancer Treatment in Jamaica”, Jamaica Urological Society Annual Scientific Conference, Jamaica Conference Centre, March 3, 2019.
- **Morrison B** “Prostate Cancer in Jamaica” 2nd Annual Global Oncology meeting, Sylvester Comprehensive Cancer Centre, University of Miami, May 2, 2019.
- **Stephenson S** “Improving Lung Cancer Outcomes. The Role of Targeted Therapy”, Association of Surgeons in Jamaica 61st Annual Clinical Conference, The Jamaica Pegasus, May 18–19, 2019.

- **Leake P** “Diabetic Foot Infections” Caribbean Association of Clinical Microbiologists – 14th Annual Scientific Symposium ‘The Foe Within’, Hugh Wynter Fertility Management Unit, University Hospital of the West Indies, October 26, 2018.
- **Scarlett M** “The Consent Process for Anaesthesia and Surgery in this Modern Era” May Pen Hospital, March 12, 2019.

## POSTER PRESENTATIONS

- Dietrich, D, Willoughby, T, James, K, **Cameron-Swaby, D** and McKoy, ML., “Glaucoma Medication Compliance in Patients at the UHWI”, FMS Annual Research Conference, November 2018.
- Dietrich, D, Tullie, AG, James, K, **Cameron-Swaby, D** and McKoy, ML., “Ocular Conditions Reported at the UHWI.” FMS Annual Research Conference, November 2018.
- **Mowatt L**, Ajanaku D, Knight-Madden J, “Sickle Cell Retinopathy–An Underrated Disease” Ministry of Health Conference, Jamaica Conference Centre, November 22, 2018.
- **Bruce C**, **Gabriel K**, Didier M, Cruickshank R, “CT Evaluation of C2 Anatomy for Feasibility of Translaminar Screw Placement in an Afrocentric Population”, Congress of Neurological Surgeons Annual meeting 2018, Houston, Texas, October 6–10, 2018.

## PUBLICATIONS

### Refereed Journal Articles

- **JM Plummer, MS Newnham** “Guidelines in Surgery: Implications for Quality of Care at the University Hospital of the West Indies and Jamaica”, *West Indian Med J* 2019, Vol 68 (Suppl. 2):1, DOI:10.7727/wimj.2018.191
- **PA Leake, JP Toppin, L King, M Reid, P Scott, ND Duncan, MEC McFarlane** “Sickle Cell Disease and Elective Cholecystectomy”, *West Indian Med J* 2019, Vol 68 (Suppl. 2): 3, DOI:10.7727/wimj.2018.192
- **MG Lee, EW Williams, JM Plummer, Y Dawkins, T Dawkins, T Murphy, K Gabriel, S Guyah, S French** “Acute Pancreatitis – Guidelines to Management”, *West Indian Med J* 2019, Vol 68 (Suppl. 2): 10, DOI:10.7727/wimj.2018.193
- **J East, T Ferguson, M Newnham, I Titus, I Vickers, H Brown** “Guidelines on Management of the Patient with Diabetic Foot Infection”, *West Indian Med J* 2019; Vol 68 (Suppl. 2): 18, DOI:10.7727/wimj.2018.194
- **P Roberts, L Powell, G Wharfe, S Shah, P Johnson, R Thompson, N Williams,**

M Arthurs “Colorectal Cancer: Guidelines to Management”, *West Indian Med J* 2019; Vol 68 (Suppl. 2): 27, DOI:10.7727/wimj.2018.195

- **MD Scarlett, I Tennant, M Condell, J Deans-Minott, H Harding-Goldson, JM Plummer** “Guidelines for Appropriate Preoperative Investigations of Patients for Elective Surgery”, *West Indian Med J* 2019; Vol 68 (Suppl. 2): 39, DOI:10.7727/wimj.2018.196
- **K Ehikhametalor, LA Fisher, C Bruce, A Aquart, J Minott, C Hanna, K Fletcher, C Wilson-Williams, L Morris, M Campbell, JA Henry** “Guidelines of Intensive Care Unit Admission, Discharge and Triage” *West Indian Med J* 2019; Vol 68 (Suppl. 2): 46, DOI:10.7727/wimj.2018.197
- **LK Simpson, SN Chin, J East, CB Wilson, JE Copeland, D Cornwall, DIG Mitchell, A Baker, G Arscott, D Bloomfield, DE Hall, HA Roberts, A McBean, N Medley, M Stennett, J Taylor-Houston, R Thompson, I Titus, C Wilks, NP William, B Ying** “Guidelines on Management of the Patient with Breast Cancer” *West Indian Med J* 2019; Vol 68 (Suppl. 2): 55, DOI:10.7727/wimj.2018.198
- **Leake PA, Toppin P, Reid M, Plummer J, Roberts P, Harding-Goldson H, McFarlane M.**, “Improving patient outcomes with inguinal hernioplasty-local anaesthesia versus local anaesthesia and conscious sedation: a randomized controlled trial”, *Hernia*, 2019 Mar 7. doi: 10.1007/s10029-019-01922-y.
- **Sartelli M, Abu-Zidan FM, Labricciosa FM, Kluger Y, Coccolini F, Ansaloni L, Leppäniemi A, Kirkpatrick AW, Tolonen M, Tranà C, Regimbeau JM, Hardcastle T, Koshy RM, Abbas A, Aday U, Adesunkanmi ARK, Ajibade A, Akhmeteli L, Akin E, Akkapulu N, Alotaibi A, Altintoprak F, Anyfantakis D, Atanasov B, Augustin G, Azevedo C, Bala M, Balalis D, Baraket O, Baral S, Barkai O, Beltran M, Bini R, Bouliaris K, Caballero AB, Calu V, Catani M, Ceresoli M, Charalampakis V, Jusoh AC, Chiarugi M, Cillara N, Cuesta RC, Cobuccio L, Cocorullo G, Colak E, Conti L, Cui Y, De Simone B, Delibegovic S, Demetrashvili Z, Demetriades D, Dimova A, Dogjani A, Enani M, Farina F, Ferrara F, Foghetti D, Fontana T, Fraga GP, Gachabayov M, Gérard G, Ghnnam W, Maurel TG, Gkiokas G, Gomes CA, Guner A, Gupta S, Hecker A, Hirano ES, Hodonou A, Hutan M, Ilaschuk I, Ioannidis O, Isik A, Ivakhov G, Jain S, Jokubauskas M, Karamarkovic A, Kaushik R, Kenig J, Khokha V, Khokha D, Kim JI, Kong V, Korkolis D, Kruger VF, Kshirsagar A, Simões RL, Lanaia A, Lasithiotakis K, Leão P, Arellano ML, Listle H, Litvin A, Lizarazu Pérez A, Lopez-Tomassetti Fernandez E, Lostoridis E, Luppi D, Machain V GM, Major P, Manatakis D, Reitz MM, Marinis A, Marrelli D, Martínez-Pérez A, Marwah S, **McFarlane M**, Mesic M, Mesina C, Michalopoulos N, Misiakos E, Moreira FG, Mouaqit O, Muhtaroglu A, Naidoo N, Negoï I, Nikitina Z, Nikolopoulos I, Nita GE, Occhionorelli S, Olaoje I, Ordoñez CA, Ozkan Z, Pal A, Palini GM, Papageorgiou K, Papagoras**

- D, Pata F, Pędziwiatr M, Pereira J, Pereira Junior GA, Perrone G, Pintar T, Pisarska M, Plehutsa O, Podda M, Poillucci G, Quiodettis M, Rahim T, Rios-Cruz D, Rodrigues G, Rozov D, Sakakushev B, Sall I, Sazhin A, Semião M, Sharda T, Shelat V, Sinibaldi G, Skicko D, Skrovina M, Stamatou D, Stella M, Strzałka M, Sydorchuk R, Teixeira Gonsaga RA, Tochie JN, Tomadze G, Ugoletti L, Ulrych J, Ümarik T, Uzunoglu MY, Vasilescu A, Vaz O, Vereczkei A, Vlad N, Walędziak M, Yahya AI, Yalkin O, Yilmaz TU, Ünal AE, Yuan KC, Zachariah SK, Žilinskas J, Zizzo M, Pattonieri V, Baiocchi GL, Catena F. “*Physiological parameters for Prognosis in Abdominal Sepsis (PIPAS) Study: a WSES observational study*” *World J Emerg Surg.* 2019 Jul 15; 14:34. doi: 10.1186/s13017-019-0253-2.eCollection 2019. PubMed PMID: 31341511; PubMed Central PMCID: PMC6631509.
- Williams SKP, **Palmer W.** “Anxiety in Late Life: The Experience of Jamaican Urban Community Dwelling Older Adults”, *West Indian Med J* 2018; 67 (5): 498
  - **Palmer W, Rose REC.** “Medical Education the AP Lateral & Oblique Views”. *West Indian Med J* 2018; 67(5):504–5.
  - Clarke D, **Vaughan K, Palmer W.** “Intraosseous Ganglion Cyst of the Lunate; The Pseudo Kienbock Lesion”, *West Indian Med J* 2018, DOI: 10.7727/wimj.2018.103. e-Published: 08 Mar, 2019.
  - A Nicholson, I **Tennant**, L White, CA Thoms-Rodriquez, L Cook, S Johnson, T Thompson, J Barnett, L Richards. “A National Survey of the Knowledge, Attitudes and Prescribing Practices of Doctors Regarding Antibiotic Resistance in a Caribbean Country”, *Antimicrob Resistance Infect Control* 2018; 7:77.
  - DS Thompson, I **Tennant**, D Soares, C Osmond, CD Byrne, T Forrester, M Boyne. “Non-alcoholic Fatty Liver Disease in Non-obese Subjects of African Origin has Atypical Metabolic Characteristics”, *J Endocrine Society* 2019. DOI: 10.1210/js.2019-00138.
  - A Rankine-Mullings, N Morrison-Levy, D Soares, K Aldred, L King, S –Ali, J Knight-Madden, M Wisdom-Phipps, RJ Adams, R Ware, M Reid, “Transcranial Doppler velocity among Jamaican children with sickle cell anaemia: determining the significance of haematological values and nutrition”, *British Journal of Haematology*. DOI:10.1111/bjh.15162 [05 Mar 2018, 181(2):242-251].
  - **Morrison BF**, Gordon Y. “Does a family history of prostate cancer affect screening behavior in Jamaican men?” *Rev Panam Salud Publica.* 2018 Dec 27;42:e143. DOI: 10.26633/RPSP.2018.143. eCollection 2018. PMID: 31093171.
  - James K, Thompson C, Willie-Tyndale, D, Holder Nevins D, Gibson R, **Johnson P**, McKoy-Davis J, Eldemire-Shearer D, “Performance and Receiver Operating Characteristics of the Mini-Mental State Examination Instrument in Detecting Dementia in a Rapidly Aging Developing Country (Jamaica)”, *Journal of Geriatric*

*Psychiatry and Neurology*. <https://doi.org/10.1177/0891988719841722> [Impact Factor 2.183].

- **Mowatt L**, Ajanaku A, Knight-Madden J. “Knowledge, beliefs and practices regarding sickle cell eye disease of patients at the sickle cell unit, Jamaica”, *Pan Afr Med J*. 2019 Feb 19; 32:84.
- Jordan V, **Mowatt L**. “Ophthalmomyiasis externa due to sheep nasal botfly in rural Jamaica”, *Trop Doct*. 2019 Jan;49(1):48–49.

### Abstracts

- SKP Williams, B Campbell, **W Palmer**. “Choices and Limitations to Postgraduate Education for Jamaican Physiotherapists”, *West Indian Med J* 2018; 67(Suppl 4): 11.
- **W Palmer**, SKP Williams, **D Clarke**. “Student Perception of Online classes using Blackboard Collaborate”. *West Indian Med J* 2018; 67(Suppl 4): 11.
- **J Williams-Johnson**, B. Asiedu, **S French**, **L. Graham**, and **E. Williams**, “An audit of compliance with the emergency medicine index time to be seen policy at the University Hospital of the West Indies”, *West Indian Med J*, 67 (Suppl 4) 24.
- Dietrich D, Willoughby, T, James, K, **Cameron-Swaby, D**, McKoy, ML. Glaucoma medication compliance in patients at the UHWT”, *West Indian Med J* 2018; 67 (Suppl. 4): 36(P-13).
- Dietrich D, Tullie, AG, James, K, **Cameron-Swaby, D**, McKoy, ML. “Ocular conditions reported at the UHWT”, *West Indian Med J* 2018; 67 (Suppl. 4): 36-37(P-14).
- **R. Venugopal** “Limb Re-implantation in Trauma” *Journal of the Caribbean College of Surgeons* Vol. 2 Page 20, 2018.

### Book Chapters

- **Joseph Martin Plummer**, **Mark S. Newnham** and Timothy Henry (March 2019) “Improving the Quality Care in Surgery: The Role of Guidelines, Protocols, Checklist and the Multidisciplinary Team”. In *Strategies to Reduce Hospital Mortality in Lower and Middle Income Countries (LMICs) and Resource-Limited Settings*. Ed by Jasneeth Mullings, IntechOpen, DOI 10.5772/intechopen.84658. ISBN 978-1-83962-225-0. Available from: <https://www.intechopen.com/online-first/improving-the-quality-of-care-in-surgery-the-role-of-guidelines-protocols-checklist-and-the-multidis>
- **Lizette Mowatt** (2019). “Orbital Cellulitis”. In *Challenging Issues on Paranasal Sinuses*. Ed. by Tang-Chuan Wang, IntechOpen, DOI: 10.5772/intechopen.79983.

Available from: <https://www.intechopen.com/books/challenging-issues-on-paranasal-sinuses/orbital-cellulitis-1>

## **INCOME GENERATION**

**TOTAL:** J\$20,703,623.24

### **Donations and Grants:**

American Friends of Jamaica J\$ 1,829,826.16 (US\$ 14,000)

National Bakery J\$ 6,873,797.08 (US\$ 50, 000)

### **Infrastructure development**

Peter Fletcher Lecture Theatre: J\$12,000,000

## **AWARDS**

Dean's Prize for Best Poster Presentation & Best Overall Presentation

- Dietrich, D, Willoughby, T, James, K, **Cameron-Swaby, D** and McKoy, ML., "Glaucoma Medication Compliance in Patients at the UHWI", FMS Annual Research Conference, November 2018.

### **Principal's Research Award for Best Research Publication (Article)**

- A Rankine-Mullings, N Morrison-Levy, **Deanne Soares**, K Aldred, L King, S–Ali1, J Knight-Madden, M Wisdom-Phipps, RJ Adams, R Ware, M Reid, "Transcranial Doppler velocity among Jamaican children with Sickle Cell Anaemia: Determining the Significance of Haematological Values and Nutrition".

### **Winner – Best Poster**

- **R Venugopal**, B Grant, M Wanliss, C Neblett, M Johnson, S Moore, **R Arscott**, **G Arscott**, "The Attitudes and Knowledge of Health Care Personal to Electrosurgical Smoke and Smoke and Fluid Evacuation Tube", Ministry of Health of Jamaica - 8th Annual National Health Research Conference, November 2018.

## **PUBLIC SERVICE**

### **Professor Joseph Plummer**

- Council Member, Association of Surgeons in Jamaica

### **Professor Newton Duncan**

- Chairman of the Board of Family Life Ministries, Jamaica



**Professor Michael McFarlane**

- Member of the Board, Jamaica Cancer Society
- President, American College of Surgeons
- Honorary Consultant, Jamaica Cancer Society
- Examiner, Caribbean Medical Council Examination

**Dr Mark Newnham**

- Governor, American College of Surgeons (Jamaica Chapter)
- Immediate Past President and Council Member, Association of Surgeons in Jamaica
- Board member, Medical Council of Jamaica
- Course Director, Advanced Trauma Life Support (Jamaica)
- Vice President, Jamaica Golf Association
- Multi Division and National Representative – Golf – Jamaica

**Dr Lizette Mowatt**

- President of the Ophthalmological Society of Jamaica (OSJ)
- Council Member, Medical Association of Jamaica
- Chairperson, National Technical Working Group on Eye Care – Ministry of Health and Wellness
- Drug Medication Review Advisory committee member: National Health Fund (NHF)
- Assessor/ Invigilator/ Jamaican Co-coordinator for the Certificate of Higher Education in Diabetic Retinopathy, (University of Gloucestershire)
- Jamaican Exam coordinator for the International Council of Ophthalmology exams

**Dr William Aiken**

- President, Association Surgeons in Jamaica
- Board member, Medical Council of Jamaica
- Volunteer doctor, Jamaica Cancer Society's Prostate Cancer Programmes
- Vice-Chair, Health, United Church in Jamaica & the Cayman Islands North Eastern Regional Mission Council, Men's Fellowship
- Director, Rotary Club of New Kingston

**Dr Jean Williams-Johnson**

- Member of the Executive, The Jamaica Association of Sports Medicine



- Member of the Executive, The Caribbean Poison Information Network

**Dr Rajeev Venugopal**

- Council Member, Association of Surgeons in Jamaica

**TARGETS FOR THE UPCOMING ACADEMIC YEAR 2019/2020**

The Department has three main areas of focus for the current academic year. These fall under the area of *alignment* and are:

With the increase use of available technology to improve the quality of delivery to both undergraduate and postgraduate students whilst reducing cost. This will involve the use of technology available at the Open Campus sites for our students at the non-UHWI teaching sites.

Greater collaboration with Government and International Partners for impactful research. We must seek to provide solutions for actual or potential threats to areas of health relevant to us such as the trauma epidemic.

Structured workshops training, skills acquisition and income generation, especially given our investments in the various skills laboratories.



## THE UWI SCHOOL OF NURSING (UWISON), MONA

**Dr. Steve Weaver, RN, Cert. of Nursing Ed., BScN, MPH, PhD – Head of Department**

### WORK OF THE DEPARTMENT

The academic year 2018/2019 provided many opportunities to strengthen the identity of the UWI School of Nursing, Mona (UWISON) as the leader in the Caribbean region in preparing nurses at the graduate and undergraduate levels who are highly sought after by employers locally and internationally. Thus UWISON continued to provide nursing education through two baccalaureate models, five (5) Master's in Nursing tracks and three (3) PhD tracks. Baccalaureate models comprised the pre-licensure Bachelor of Science in Nursing (BScN) programme, offered face to face at the Mona and Western Jamaica campuses and five (5) franchise sites, and the post-RN BScN programme which is offered online. The UWI's Triple-A Strategy has largely informed the operational plan of UWISON.

UWISON has maintained its commitment to addressing Regional nursing shortages by increasing enrolment into nursing programmes. Hence, a priority initiative has focused on increasing access to baccalaureate nursing education across the Region through franchising of the BScN curriculum. One new franchise was successfully implemented in the 2018/2019 academic year at the St. Vincent and the Grenadines Community College. Preliminary talks have begun with a view to expand the franchise offering to The Turks and Caicos Islands. It is anticipated that this will yield at least one additional site from which the BScN programme might be accessed within the 2019/20 academic year.

The UWI administration had been in dialogue with the Antigua State College with the intention of offering the BScN as a Franchise. Dr. Steve Weaver, Mrs. Joyette Aiken, Franchise Programme Coordinator and Miss Melissa Walker, BScN Programme Coordinator, visited Antigua during the period January 28–February 01, 2019 to finalize the franchise arrangements. This initiative was driven by the Vice-Chancellor through the Deputy Principal. However, subsequent to the College being designated the “fourth landed” campus, the idea of franchising of the programme has been exchanged for support from UWISON, Mona for the implementation of baccalaureate

nursing education at The Five Islands Campus. It is anticipated that in the short term, UWISON's BScN curriculum will be adopted. In addition, in an attempt to standardize undergraduate nursing education offered at the UWI Campus sites, it is also expected that all Schools of nursing will participate in the review of the curriculum which is to continue in the 2019/20 academic year.

One goal of UWISON to achieve alignment has been to improve the quality of its programmes as well as its graduates. Thus, extensive reviews of the MSN and BScN curricula continued throughout the 2018/19 academic year and will continue in 2019/20, with a new implementation target date now set at September 2021/22. The two-pronged purpose of the revision is to achieve compliance with the WHO's (2016) Revised Competencies for Nursing Education and Practice and to reflect the priority positions of the Nursing Council of Jamaica and the Regional Nursing Body. One challenge that has stymied this effort is the perennial shortage of academic staff and the corresponding heavy workload of existing staff who are charged with the responsibility for leading the curriculum review.

A measure of quality of delivery of the undergraduate and graduate nursing curricula is the Course Evaluation conducted each semester by the Office of the Principal. Following the exercise, five (5) members of the academic staff were recognized at the Guardian Life Premium Teaching Awards Ceremony in December 2018 having received an average rating of 4 or greater for their respective course evaluations. These members are Mrs. Pauline Anderson-Johnson, Mrs. Antoinette Barton-Gooden, Mrs. Dawn Munroe, Mrs. Mauvette Waite and Mrs. Donnette Wright-Myrie.

A second goal has been to increase impactful research output. One strategy implemented to achieve this goal is participation of academic staff and graduate students in the School's biweekly *Journal Club* which provides opportunities for peer review of research proposals, manuscripts in preparation and disseminate research findings. Professor Eulalia Kahwa, the research expert in the School, serves as the as the main facilitator and mentor.

## PAPERS PRESENTED

- Allen, K. & Garriques-Lloyd, S. (2018). "Assessing the screening practices of community mental health nurses for metabolic side effects in patients with schizophrenia". Presented at the 9th Annual Health Research Conference of the Ministry of Health, November 22–23, 2018. No text included in the form of a paper.
- Kahwa, E. (2019). "Strengthening Health Care Systems through capacity building for research and policy development among nurses and midwives". Presented as an inaugural Professorial lecture on the occasion of the University's Research Day February 6, 2019, UWI Mona. No text included in the form of a paper.

- Waite, M., Wright-Foster, K. & Chisholm-Ford, S. (2018). "Nurse Managers Perception of their Responsibilities in handling crowding in the Emergency Department at a Type B hospital in Jamaica". Presented at the 9th Annual Health Research Conference of the Ministry of Health, November 22–23, 2018. No text included in the form of a paper.
- Wright, G.; Waugh-Brown, V. "The occurrence of chronic sorrow and coping strategies employed by adult oncology patients in western Jamaica". Presented at CARPHA 64th Annual Research Conference, June 21, 2019 in Trinidad and at the 29th Nursing and Midwifery Research Conference and Mary Jane Seivwright Day, May 31, 2019 at the School of Nursing, Mona. A one-page abstract was submitted.

## PUBLICATIONS

### Refereed Journal Articles

- Abdul-Kareem K., Lindo J.L.M., Stennett R. (2019). "Medical-surgical nurses' documentation of client teaching and discharge planning at a Jamaican hospital". *International Nursing Review* 00, 1–8.
- Gustave, Y., Wright-Myrie, D., & Kahwa, E., (2018). "Parental perception of children's weight status: a quantitative assessment of urban families with children 2–5 years". *Caribbean Journal of Nursing*, supp. 4(1), 21.
- Wright-Myrie, D., Kahwa, E., & Reid, M., (2018). "Nutrition in Critical Illness: CCRN's perception of nurses' role in nutritional management of critically ill patients". *Caribbean Journal of Nursing*, supp. 4(1), 14.

### NON-REFEREED ARTICLE

- Waugh-Brown, V. "Is Cornwall Regional Hospital Sick unto Death?" In, the *Jamaica Observer* (Thursday May 3, 2018).

### Books & Monographs

- Mullings J, Barton-Gooden A, Garriques-Lloyd S, Noble-Myrie V, Reid, S. and Paul, T. Pathways to Sustainable Development Goal # 3: Integrating human rights, health equity and social justice into health policies and programmes in Jamaica. In *Advances in Sociology Research*. Volume 27, 2019 ISBN: 987-1-53615-802-1 (ebook). Nova Science Publishers. Hauppauge, New York, USA.
- Lynch, M. (2019). "Monuments of the mind" In *The voices behind mental illness: The mind is a terrible thing to waste* (Series 3). Ed. By Vanessa Abram. Purpose and Prosperity Publishing Company.

- **Wright-Myrie, D.** (2018). *Computations in nutrition: A guide for healthcare workers*. South Carolina: CreateSpace. <https://www.amazon.com/Computations-Nutrition-guide-healthcare-workers/dp/1718692544>

### Technical Reports

- Merrick, N., **Munroe, D.**, **Rae, T.**, Euter-Tracey, N., Bunnaman, D., Maragh, O., Moore, H. & Blair, L. (2018). *An assessment of Midwives' views regarding regulatory requirements of home births for student midwives in Jamaica*. Prepared for the Nursing Council of Jamaica in January 2018.

### INCOME GENERATION

Collaborations with international partners, including those within the Jamaican diaspora, have provided a means to diversify the income stream of the School. For the period under review, there was an approximate net gain of JMD \$3.5M from administrative fees and scholarships, as follows: -

*The Jamaica Nurses Group of New York Inc.* Dr. Claudette McFauhar, the President-Elect, awarded USD1000.00 each to two undergraduate nursing students who were completing the final year of the programme. Donations of \$500 USD each were also made to two third year students.

*The UHWI Batch 61 Memorial Scholarship Fund* awarded one student with US\$1,000.00.

*Institute for the International Education of Students (IES):* Two revolving scholarships in the sum of US\$10,000.00 was offered to two undergraduate students and a further revolving US\$680.00 was provided to two hundred (200) needy students for the year.

*The MAICA Impact Scholarship* amounting to CAD\$5000.00 awarded to two students from the Western Jamaican Campus.

**Franchise programmes:** Approximately \$1.5M in franchise fees was generated from the five (5) franchise programmes.

### PUBLIC SERVICE

#### Aiken, Joyette

- Charter member /Treasurer – Omega Kappa Chapter, Sigma Theta Tau International (Honor Society of Nursing) and Chairman of the Committee for the Review of the National Curriculum for Nursing Education, Nursing Council of Jamaica

#### Anderson-Johnson, Pauline

- President, Omega Kappa Chapter of Sigma Theta Tau International; an Honour Society for the advancement of nursing scholarship.

**Garriques-Lloyd, Sheryl**

- Vice-President Omega Kappa Chapter, Sigma Theta Tau International (Honor Society of Nursing)

**Henry-Ferguson, Verona**

- Chairman, the Nurse Educators Special Interest Group of the Nurses Association of Jamaica

**Munroe, Dawn**

- Director, the Jamaica Parent School (JAMPAS), Co-Chairman, the Nursing Council of Jamaica Research Committee

**Pitter, Cynthia**

- Vice President, Caribbean Regional Midwives' Association and Member of the Board of the Nursing Council of Jamaica

**Waite, Mauvette**

- Member, Emergency Nurses Association, Member – Caribbean Journal of Nursing Editorial and Committee and Member – CARICOM Network for Nursing and Midwifery Education

**Waugh-Brown, Veronica**

- Justice of the Peace for St. James

**Wright-Myrie, Donnette**

- Justice of the Peace; Advisor to the National Police Youth Club Council and Community Safety and Security Branch of the JCF.

**STUDENTS**

Several strategies were implemented to facilitate undergraduate students' progress through the nursing programme. These included innovations to minimize the financial burden of the programme such as scholarships, bursaries and meals, academic advisement, conducted at least once per semester, a student enrichment exercise aimed at motivating and empowering students preparing for employment, and international learning immersion.

**Scholarships**

Scholarships were awarded to students who achieved a grade point average (GPA) of 2.5 and above; provided verification of their financial need; whose essays adequately expressed their career goals and financial need; who were in good academic standing with the UWI; and who consistently demonstrated high standards of professionalism

*Student Enrolment in the BScN Programme 2018/19 Academic Year*

Institution name	Country	Total No. students
Excelsior Community College (Exed)	Jamaica	248
Browns Town Community College (BTCC)	Jamaica	158
Knox Community College (KCC)	Jamaica	166
Clarence Fitzroy Bryant Community College (CFBCC)	St. Kitts	26
St. Vincent & the Grenadines Community College (SVGCC)	St. Vincent & the Grenadines	34
The UWI School of Nursing Western Jamaica Campus (UWISON WJC)	Jamaica	93
The UWI School of Nursing, Mona (Mona Campus)	Jamaica	563
<b>Total Number of Students Enrolled</b>		1,288

and professional engagement. Scholarships were secured from professional nursing groups through their ongoing partnerships with UWISON.

- *The Jamaica Nurses Group of New York Inc.* Dr. Claudette McFauhar, the President-Elect, awarded USD1000.00 each to two undergraduate nursing students who were completing the final year of the programme. These students were: **Mikayle Francis** and **Francine Crosby**. Donations of \$500 USD each were also made to two third year students: **Kenice Frew** and **Althia Smart**. The awards were presented at the 3rd Annual Scholarship Award Ceremony on December 12, 2018 of the Jamaica Nurses Group of New York Inc. at UWISON.
- *The UHWI Batch 61 Memorial Scholarship Fund* awarded **Mickayle Francis** with US\$1,000.00.
- *Institute for the International Education of Students (IES)*: Two revolving scholarships in the sum of US\$10,000.00 was offered to two undergraduate students and a further revolving US\$680.00 was provided to two hundred (200) needy students for the year. The IES Full Tuition Scholarship winners were **Cherry-Ann Webley**, 4th Year Student and **Anna-Lese Gyles**, 2nd Year Student for US\$5,000.00 each.

## **UWISON'S STUDENTS ASSISTANCE PROGRAMME (MEALS)**

The School's Assistance Programme resumed disbursement on September 24, 2018. Through this programme, students who have financial challenges receive three (3) lunch tickets valued at \$480.00 each week of the Semester.

### **Student Enrichment and Empowerment**

The School hosted its 3rd Student Enrichment Seminar for finalizing students in the BScN Programme under the theme: "Becoming". Topics included: *Preparing for The World of Work: The HR Perspective; Becoming A Brand of Excellence; Debt Management and Retirement Planning.*

### **International Learning Immersion**

Two students, one from Mona and one from Mona Western Jamaica campus visited the Kristianstad University for the 10 weeks of the Summer term. This visit exposed the students to international nursing practices specific to elder care.

### **Student Achievement**

*LASCO/ Nurses Association of Jamaica (NAJ) & UWI AWARDS:* Miss Abigaile Jones from UWISON's Western Jamaica section emerged as the winner of the NAJ/ LASCO Nursing Student of the Year Competition.

*Faculty of Medical Sciences Dean's List and Honour Roll:* Thirty-eight (38) students from 1st, 2nd and 3rd years were added to the Dean's list having achieved a cumulative GPA of 3.6 and above. Two students were inducted into Honour Society; having achieved the highest GPA for their respective year groups. This number reflects an increase in the number of students achieving these awards.

### **Graduate Student Enrolment**

There are 33 graduate students completing the Master of Science in Nursing (MScN) degree and seven (7) PhD students; three of whom have achieved Candidacy. Two (2) candidates are scheduled to be examined in Semester 1, 2019/20. A proposal is to be drafted to offer the MScN programme at the Mona Western Jamaica Campus, in an effort to improve access to graduate studies among nurses who are employed in St. James and surrounding parishes.





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# FACULTY OF SCIENCE & TECHNOLOGY

## Mona

Year ending July 31, 2019



**PROFESSOR MICHAEL A. TAYLOR**  
**BSc, MPhil, UWI, PhD, *University of Maryland, College Park***  
**DEAN**



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## Dean's Overview

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The 2018/2019 academic year saw a change in both the leadership and leadership structure within the Faculty. Professor Michael Taylor took over as Dean from Professor Paul Reese whose steady guidance of the Faculty over the past four years was noted with appreciation. Professor Mona Webber was appointed Deputy Dean with portfolio responsibilities for Staff Engagement, Ethics and Quality Assurance. The position of Deputy Dean with oversight for Engineering was eliminated with the creation of the Faculty of Engineering. Dr. Winklet Gallimore took up the newly created post of Associate Dean with responsibility for the Student Experience; and three other Associate Deans were appointed: Dr. Eric Hyslop (Undergraduate Matters), Prof. Marcia Roye (Postgraduate Matters) and Dr. Sherene James-Williamson (Associate Dean, Student Experience). The new management structure is intended to support the four pillars of the revised 2017–2022 Faculty strategic plan, namely increased staff and student engagement; increased research output; revamped structures and processes; and enhanced national through global impact and presence.

The Faculty office was also reorganized to operationalize the revised strategic vision and to both streamline and centralize some activities as the Faculty aims for **Agility** and **Alignment** in its operations. Changes to the structure included the appointment of a Visibility and Engagement Officer, Facilities Manager, Customer Service Manager, and three Coordinators with respective responsibilities for Undergraduate, Postgraduate and Resource Mobilization. The positions were approved at F&GPC and will become permanent in 2019/20.

The tables on page 277 below summarize some of the key metrics of the Faculty. Additional details highlighting some notable achievements are thereafter provided below.

### TEACHING, LEARNING, STUDENT DEVELOPMENT AND STAFF ENGAGEMENT

The Faculty hosted Orientation sessions for undergraduate and postgraduate students at the beginning of the academic year. For the first time the Faculty also hosted a second semester Orientation Day which was very well supported.

An *FST Experience* programme was launched targeting initially first year students.

**2018/2019 – Undergraduate and Graduate Degrees Awarded**

<b>Faculty of Science and Technology Degree Awarded 2018/2019</b>	<b># of Awards</b>
<b>Graduate Students</b>	<b>40</b>
Distinction	11
High Commendation	1
Pass	28
<b>Undergraduate Students</b>	<b>404</b>
First Class Honours	33
Second Class Honours (Upper Division)	140
Second Class Honours (Lower Division)	146
Pass	85
<b>Grand Total</b>	<b>444</b>

**2018/2019 – Undergraduate Admission/Enrollment Data for the Faculty of Science and Technology**

<b>Academic Year</b>	<b>Total Applications</b>	<b>Total Applicants</b>	<b>Total Offers</b>	<b>Total Registered</b>
2018/2019	5,584	3,371	1,419	1,019

**2018/2019 – Graduate Enrollment Data for the Faculty of Science and Technology**

<b>Academic Year</b>	<b>Taught Masters</b>	<b>Research Degrees</b>	<b>Total</b>
2018/2019	44	19	63

Students who volunteered for the programme received notifications about non-academic activities and events in which they could participate or for which they could apply. They also had the opportunity to be part of a Wholistic Development pilot with weekly sessions.

Two Study Skills Workshops were hosted during the academic year. These were designed to assist students who were on 'academic warning'. The sessions were attended by approximately 200 students.

New undergraduate courses in Renewable Energy, a new minor in Renewable Energy Management as well as a new postgraduate MSc and Certificate in Applied Data Science were approved. The new postgraduate programmes will be offered in 2019/20.

The first cohort of the BSc Software Engineering – UWI-CIIT programme left for China on September 4, 2018, accompanied by Drs. Curtis Busby-Earle and Ezra Mugisa from the Department of Computing.

The Faculty Office made financial contributions worth approximately J\$1,451,062.13 to assist students with offsetting expenses associated with attending conferences, competitions and other science-related activities.

The Faculty hosted a number of events to enhance student development. These included the Department of Mathematics 6th Career Fair on November 16, 2018; a Faculty Entrepreneurship Day hosted in conjunction with the Guild of Students on November 1, 2018; and a Goldmann Sachs recruitment Fair on October 11, 2018.

The Department of Computing and the Mona School of Business and Management took in a second cohort in the Digital Talent Laboratory Internship, sponsored by the National Commercial Bank (NCB).

The Faculty hosted *Meet a Nobel Laureate Day* on October 8, 2018 as it hosted Prof. Klaus von Klitzing who was the 1985 Nobel Laureate for Physics. He is also the Director of the Max Planck Institute for Solid State Research. Activities for the day included a meet and greet with Faculty academics; a special student session hosted by the Guild of students; a public lecture jointly cohosted with UTECH and a joint Chemistry, Physics and Engineering Honours Society breakfast at which Professor von Klitzing was the speaker. Professor von Klitzing is one of only two living scientists with a physical constant that carries his name (von Klitzing constant, RK).

The Faculty hosted for the first time *Technical and Service Staff Day* on November 22, 2018. Staff were treated to lunch and gifted with faculty shirts. The intention is to make it an annual celebration. Administrative and Professional Staff were also recognized and treated to lunch on April 24, 2019.

## **NATIONAL ENGAGEMENT AND OUTREACH**

CAPE workshops were held during the period of January 7–11, 2019 and January 14–18, 2019 for the following subject areas: Biology, Chemistry, Computer Science, Geography, Mathematics and Physics. Workshops were held both at the Mona and western Jamaica campuses.

The Faculty launched the Science for Today Public Lecture Series. Seven lectures were held during the course of the year. The topics were: Plastics – the Science Behind the Ban; Minimizing Mosquito Mayhem; AI and Automation: Risk is Opportunity; Earthquakes; The Science of Fire; Geoengineering and 1.5 degrees. The lectures were free and featured presentations and discourse on each topic from Faculty members and external collaborators.

The Faculty launched the *FST Endowment Fund*. The fund it is hoped will become a sustainable way to fund scholarship, equipment, and activities in the Faculty, and provide a vehicle for alumni and other potential donors to give to the Faculty. The fund is management by the UWI Development and Endowment Fund (UWIDEF).

A revamped webpage was launched to capture current happenings in the Faculty <https://www.mona.uwi.edu/fst/>. Two volumens of the Faculty newsletter *Faculty Focus* were also produced and circulated.

The Department of Mathematics staged the Jamaica Mathematics Olympiad (Junior and Senior Competitions) after a one year break. A total of 5,184 students participated across the two competitions. The top schools were presented with awards on June 19, 2019. A team of four students were selected and represented Jamaica at the regional Olympiad competition in Santo Domingo in June 2019.

A Memorandum of Understanding was signed with the Bureau of Standards Jamaica (BSJ) and the Alternative Energy Research Group (AERG) (Department of Physics). Under the MOU the AERG will assist the BSJ in the development and execution of a plan to reduce energy consumption at BSJ locations in Kingston, Montego Bay, Mandeville, Ocho Rios and Savanna-la-Mar.

Memorandum of Understandings were signed between the Centre for Marine Sciences, and the National Environment and Planning Agency for the UWI-CMS/DBML to assess the current status of the Winn's Morass mangrove stand in Trelawny and its potential for rehabilitation; as well as with the Ministry of Industry, Commerce, Agriculture and Fisheries'- Fisheries Division to facilitate the completion of the 2018 Queen Conch Abundance Surveys.

In July 2019, the Biotechnology Centre hosted a Biotechnology Lab-Skills Training Summer Workshop for teachers and laboratory technicians. The workshop was held in conjunction with the School of Education (Faculty of Humanities and Education) and was staged in three parts - Foundational Basic Biotechnology Laboratory skills (week 1); Basic Biotechnology laboratory skills (week 2); Basic Application Skills in Biotechnology (week 3).

The Meteorological Service of Jamaica in partnership with the Faculty of Science and Technology hosted its third 'Weather, Climate, and Climate Change Quiz' on June 14, 2019. Grades 5 and 6 students from 12 preparatory and primary schools participated in the competition, which offered an opportunity for them to gain greater understanding of the subject while testing their existing knowledge. The Quiz was sponsored by the Pilot Programme for Climate Resilience (PPCR) implemented by the Planning Institute of Jamaica (PIOJ), the GEF Small Grants Programme (SGP) implemented by UWI, National Water Commission (NWC), MegaMart, and Power106. Other partners included Heart Trust NTA, Forestry Department, Environmental Solutions, NEPA, WRA, CCD, and NWC.

The MSc Food and Agro Processing Technology (FAPT) programme conducted a workshop in Food Packaging (June 2019). It also held two stagings of the Food Safety Preventive Controls Training Sessions (May and August 2019).

## RESEARCH AND INNOVATION

Total publication of faculty members during the 2018/2019 academic year amounted to 110.

The Faculty was able to raise J\$55,441,083 in grants and contributions through initiatives of the Resource Mobilization Unit and the Departments.

In June 2019 a Dendrochronology Laboratory was established in the Department of Geography and Geology to enhance capacity in Palaeoclimatology. The lab was established in collaboration with researchers in Amsterdam and at the University of Nevada, Reno and funded by a National Geographic Grant.

New interdisciplinary research groups focused on Cannabis and Sargassum were formed in the faculty. The Caribbean Environments Research Group (CERG) was also established to facilitate and market interdisciplinary research on the broad theme of Environmental Change.

The UWI library was awarded an EBSCO solar grant of US\$100,000 to implement a solar photovoltaic system on the roofs of the Science and Engineering Library and the Department of Physics. The UWI library is the first winner of the EBSCO solar grant outside the US. The Department of Physics and Solar Buzz Jamaica are partners. It is estimated that the 40kW system once fully installed will save The UWI almost \$2m annually. The system will also support teaching in the undergraduate renewable energy major.

## REGIONAL AND INTERNATIONAL COLLABORATION

The partnership with Huawei continued and saw a new cohort of five UWI students journeying to China for a two week study tour in October 2018 under their *Seeds for the Future* programme. This was organized by the Resource Mobilization Unit, Mona School of Engineering, and the Departments of Computing and Physics.

The Caribbean Partners for Amphibian and Reptile Conservation (Carib-PARC) in partnership with the Department of Life Sciences, UWI Mona, hosted its fourth conference in January 2019. The theme of the conference was “Forging proactive partnerships to conserve amphibians, reptiles, and the places they live.”

Ten faculty members from different departments participated in the Frontiers of Science meeting between **The Royal Society** and **The University of the West Indies** held from March 19–21, 2019 at Chicheley Hall, UK. It was the inaugural meeting in a three year programme for the advancement of science in the Caribbean and the use of science to solve big problems affecting the Region. The programme was crafted through 2 years of consultations between UWI Solutions for Developing Countries (UWI SODECO) and The Royal Society. Meeting leads from the UWI

were Prof. Terrence Forrester (UWI SODECO) and Prof Michael Taylor (Faculty of Science and Technology, Mona). From the UK they were Professor Tim Palmer (Oxford) and Professor Mark Hanson (U Southampton).

The Climate Studies Group Mona (CSGM) from the Department of Physics hosted a two-day workshop in St. Lucia from May 2–3, 2019. The aim of the workshop was to introduce participants from the Eastern Caribbean to the State of the Caribbean Climate 2017: Information for Resilience Building report. The report was produced by the CSGM with input from the Caribbean Institute for Meteorology and Hydrology (CIMH) and provides critical analysis and discussion on Caribbean climate, including, observed variability and trends, recent extreme events, projections for key variables, observed and potential impacts for climate sensitive sectors as well as an overview of climate information and services within the region. Over 30 participants from 11 countries representing the water, infrastructure, health and agriculture sectors participated.

From June 3–7, 2019, the Faculty hosted the 15th International Conference on Intelligent Tutoring Systems under the theme “*Challenges in Artificial Intelligence – Pushing the Boundaries of ITS*”. The Faculty’s participation was spearheaded by the Departments of Physics and Computing. About 100 international attendees along with local participants benefitted from the talks, tutorials and special workshops.

The Faculty co-hosted with ICENS and the Faculty of Medical Sciences a regional IAEA workshop on radiation protection in medical imaging from July 15–19, 2019. The theme of the workshop was “Strengthening Human Capacities of Caribbean Countries in Radiation Medicine”. The Faculty’s participation was spearheaded by The Department of Physics.

From July 15–19, 2019, the Faculty co-hosted with Green Solutions International PV Associate Training and System Inspectors Course. The training course had regional and local participants and was hosted at the UWI Western Jamaica campus. Participants were also able to sit the North American Board of Certified Energy Professionals (NABCEP) Associate Exam that was offered at the same location on Monday 21st July 2019.

The Climate Studies Group Mona (CSGM), through the Investment Plan for the Caribbean Regional Track of the Pilot Programme for Climate Resilience (PPCR), hosted the Caribbean Climate Modelling Consortium Meeting on August 7–8, 2019. Participants were from across the Caribbean region and other organisations with a vested interest in Climate Change Research. The representatives were from Cuba, Haiti, Guyana, Trinidad and Tobago, Barbados, Belize, St Lucia, Suriname, Germany, California and Jamaica. A multidisciplinary collection of researchers were featured, which investigated the multifactorial implication both past and present of Climate Change.



## STUDENT ACHIEVMENT

- Michael Calloo, Department of Computing final year student, was selected to intern with Goldmann Sachs in Hong Kong in August 2018. He has since been offered full time employment with them and will start in January 2020.
- Toni-Ann Willis (Computer Science) and Gisellé Hall (Physics and Geology minor) were part of a five member Jamaican team that placed second behind the USA in The Organization of American States (OAS)/Inter-American Committee against Terrorism (CICTE) Diplohack Student Challenge 2019. The competition was held in Washington DC from February 20–22, 2019. Other members of the team were Sayeed Bernard (Law), Chavel Ford (Social Sciences), and Kyle Glegg (Medicine).
- Vijay Gregory and Sharmoy Findley (Physics Undergrads) participated in a student exchange program to Sophia University, Japan in January 2019. Their visit was facilitated by Japan's Association for Promotion of International Cooperation (APIC) in collaboration with The UWI.
- Melissa Curtis (Geography & Geology) was one of the Esri Young Scholars Awardees for 2019. Melissa was invited to present a poster at the ESRI GIS conference in San Diego in July 2019, where she also received her award from the Head of ESRI.
- Dominic Mills-Howell (MPhil Mathematics) attended the 69th Lindau Nobel Laureate Meeting in Lindau, Germany from June 30 to July 5, 2019. He was one of 580 young scientists from 89 countries chosen out a pool of more than 20,000 candidates from all over the world. He was the only Jamaican representative. The Lindau Nobel Laureate Meetings foster exchange among scientists of different generations, cultures, and disciplines. Annually, around 30–40 Nobel Laureates convene in Lindau to meet the next generation of leading scientists, including undergraduates, PhD students, and post-doc researchers from around the world.
- Dr. Kurt Prospere was one of the two Most Outstanding Thesis Award (MOTA) for the academic years 2016/17 and for 2017/18. Dr. Prospere's PhD was awarded with High Commendation. He investigated the *Quantification of Ecosystems Services in the Black River Lower Morass: Technology Choices and Management Options*. Dr. Prospere's research was supervised by Dr. Kurt McLaren and Prof. Byron Wilson (both from the Department Life Sciences).
- The UWI Mona Robotics Team placed third in the Student Hardware Open category section of the 2019 Institute of Electrical and Electronics Engineers (IEEE), Southeast Conference Competition. The team was coached by Yekini Wallen-Bryan from the Department of Physics and comprised members from both the Faculty of Science and Technology and the Faculty of Engineering.

- Jordon Freeman, an MPhil Biotechnology student, received the 2018 Innovation Youth Award for his reduced-calorie “Healthy Sugar”; and the 2019 Total StartUpper of the Year award for the production of degradable plastics through his organization, Jamaica Bio-Plastics. He also received the 2019 Governor General’s Achievement Award. *Along with Samantha Williams they also won the National Business Model Competition 2019 for their business venture, Ja-Bio-Plastics.*
- Ms Tanice Brown, final year student from the Department of Mathematics was among seven UWI students participating in a joint project between the University of the West Indies (UWI) and the State University of New York (SUNY) to rebuild a preschool in hurricane ravaged Dominica. The project was spearheaded by the SUNY UWI Centre for Leadership and Sustainable Development. Fourteen students, seven from the UWI and seven from SUNY – New Paltz and a faculty member from each institution rebuilt the Morne Prosper Pre-School and restored the attached primary school from January 7–19 2019.
- Chevano Baker, Department of Mathematics graduate, was named the 2019 Jamaica Rhodes Scholar. Chevano holds a BSc. in Actuarial Science from UWI, as well as a Master of Science degree in Financial Economics from the University of Birmingham.
- Graduate student, Mr. Marc Collins (Department of Chemistry) was awarded first prize for the best graduate student oral presentation at the Biennial Regional Chemistry Conference and Expo, held at the St. Augustine Campus, UWI in Trinidad in May 2019. His attendance was facilitated by receipt of the Professor Wilfred Chan International Conference Travel Award (1000 USD) awarded by the family of the late Professor Chan.
- The Annual Faculty Awards Ceremony was held on March 16, 2019 at the Mona Visitors’ Lodge and Conference Centre. There were over 200 awardees. **Nikhil Asnani, FSA FRM** who is an Actuarial Science graduate and current Assistant Vice President (Actuarial) at Guardian Life Limited was the keynote speaker.

### Notable Mentions

- Professor Mona Webber, Deputy Dean and Director of the Centre for Marine Sciences, was one of three panelists at the annual Grace Kennedy Foundation (GKF) Lecture held on Wednesday April 3, 2019. The lecture explored exploring whether a Clean Kingston Harbour was a Pipe Dream or Pot of Gold.
- Professor Michael Taylor received The Anthony N Sabga Caribbean Awards for Excellence in Science and Technology on Saturday March 30, 2019.
- Dr. Kimberly Stephenson (Department of Life Sciences) was chosen to represent the University at a Workshop on Science, Technology and Innovations (STI) for

SDGs held at the United Nations Conference Centre (UNCC) of The United Nations Economic and Social Commission for Asia and the Pacific (UN ESCAP) in Bangkok, Thailand from February 27–March 1, 2019. The workshop was co-organized by The United Nations Department of Economic and Social Affairs (UN DESA), ESCAP, and The United Nations Conference on Trade and Development (UNCTAD).

- Phylicia Ricketts, Lecturer in the Department of Physics was awarded the 2018 Prime Minister's Youth Award for innovation in science and technology.
- The Climate Studies Group Mona (CSGM) from the Department of Physics celebrated 25 years of Caribbean Climate Science Initiatives in July 2019. The group was established by Emeritus Professor Anthony Chen in 1994.
- The Climate Studies Group Mona (CSGM) from the Department of Physics was the recipient of the 2017/2018 Vice Chancellor's Awards for Excellence in International Collaboration: Globalisation Award for the Regional Science Initiative Project. The award ceremony was held on Monday, October 29, 2018 at the Mona's Visitor's Lodge, UWI. The CSGM also participated in the Global to Local Caribbean Socio-Economic Climate Change (Adaption and Mitigation Scenarios) (GoLoCarse) Project that was awarded the Multi-campus Research Collaboration: One UWI Award.
- In celebration of UWT's 70th Anniversary, the Institute for Gender and Development Studies Regional Coordinating Office (IGDSRCO) recognized the invaluable contributions of 70+ Outstanding UWI Women including Prof. Mona Webber (1993), Prof. Marcia Roye (1996) and Dr. Sylvia Mitchell (2001).
- Mona Geoinformatics Institute (MGI) was the recipient of the 2019 RJRGleaner Honour Award in the category of Science and Technology.
- Dr. Venkateswara Rao Penugonda from the Department of Physics was the runner up for the UWI/Guardian Life Premium Teaching Award for 2018.
- Dr. Nickeisha Stephenson (Chemistry) received the Canada-CARICOM Faculty Leadership Scholarship tenable at the University of Toronto and CAMH (The Centre for Addiction and Mental Health) in Toronto Canada.
- Dr Mike Burn (Geography and Geology) received the Mary Sears Award from Woods Hole Oceanographic Institution in August 2018 which allowed him and his graduate student, Romario Anderson, to visit the Coastal Geosystems Group in the University of Massachusetts at Amherst to develop collaborative links, exchange ideas about long term records of environmental change, and to develop research capacity within the Department.
- The UWI Annual Research Day Awards Ceremony was held on February 9, 2018. Recipients of awards included:

Researcher:	<b>Dr. Michael Coley</b> Department of Chemistry
Award:	Best Research Publication – Article
Research Title:	“The dissolution of Phosphorous from Jamaica bauxites under low temperature Bayer Conditions”
Researcher:	<b>Dr. Andrea Goldson-Barnaby</b> Department of Chemistry
Award:	Best Research Publication – Article
Research Title:	“In Silico Prediction, Phylogenetic and Bioinformatic Analysis of SoPCS gene, Survey of its Protein Characterization and Gene Expression in Response to Cadmium in <i>Saccharum Officinarum</i> ”
Researcher(s):	<b>Dr. Leonardo Clarke, Professor Michael Taylor, Dr. Tannecia Stephenson, Jayaka Campbell</b> Department of Physics
Award:	Best Research Publication – Article
Research Title:	“Future Caribbean Climates in a World of Rising Temperatures: The 1.5 vs. 2.0 Dilemma”
Researcher:	<b>Professor Nouredine Benkeblia</b> Department of Life Sciences
Award(s):	<b>MOST OUTSTANDING RESEARCHER</b> for 2 articles, 1 book and 5 book chapters
Researcher:	<b>Dr. Andrea Goldson-Barnaby</b> Department of Chemistry
Award(s):	<b>MOST OUTSTANDING RESEARCHER</b> for 3 articles
Researcher:	<b>Dr. Marhoun Ferhat</b> Department of Physics
Award(s):	<b>MOST OUTSTANDING RESEARCHER</b> for 5 articles

Researcher(s):	<b>Dr. Arpita Mandal, Professor Simon Mitchell, Dr. David Miller and Dr. Donovan Blissett</b> Department of Geography and Geology
Award:	Research Project Attracting the Most Research Funds
Research Title:	“Sediment Budget Monitoring Sites for Upper Rio Minho Watershed”.
Researcher(s):	<b>Mona Climate Studies Group</b>
Award(s):	Research Project with the Greatest Business /Economic/ Development Impact
Research Title:	Caribbean 1.5 Project
Researcher:	<b>Dr. Karl Aiken</b> Department of Life Sciences
Award:	Principal’s Awards for Public Policy
Research Title:	For research contributing to the Fish sanctuaries & Fishing Industry.
Researcher(s):	<b>Prof. Mohammed Bakir, Prof. Helen Asemota, Dr. Peter Nelson, Dr. Marhoun Ferhat, Dr. Chukwuemeka Nwokocha</b> Department of Chemistry, Department of Physics, Department of Basic Medical Sciences, Biotechnology Centre
Award(s):	Research Project with the Greatest Multidisciplinary/Cross Faculty Collaboration
Research Title:	Chemical and Biological application of Heteroaromatic Ketone Hydrazonic Compounds: Molecular Sensing, Catalytic, Anti-cancer, Anti-Hypertensive and Others.



## DEPARTMENT OF CHEMISTRY

**Dr Roy Porter, BSc, PhD, UWI – Head of Department**

### OVERVIEW

The Department of Chemistry continues to foster an environment which encourages an appreciation for Chemistry and its benefits to the wider society. The Department therefore carries on its mission to harness the talents, abilities and potential of our students and empowering them to think critically, intelligently and independently, aligning them to be fit for purpose.

To build on this initiative, the Department, has throughout the year, put its focus on a number of staff engagement activities to encourage staff to work as part of a team with a view to achieving the Department's objective, and by extension, that of the University. It is with the support of all levels of staff that the Department has been able to provide guidance and support to our academic programmes.

We also owe our gratitude to external stakeholders and visitors, who have in their own way, helped to shape our students' journeys by their donations and sponsorship.

At the end of the academic year the department was delighted to see forty-three (43) undergraduate students graduate with a BSc in Chemistry. For higher degrees, there were four (4) PhD, two (2) MPhil, and nine (9) MSc graduates.

### Workshops

The MSc Food and Agro Processing Technology (FAPT) programme conducted the following workshops:

- Food Packaging Workshop in June, 2019. The presenter was visiting professor, Prof Melvin Pascall. Participating companies were: Rainforest Seafoods, Dairy Industries, Scientific Research Council, PA Benjamin, Jamaica Bureau of Standards, Tijule, Grace Canning, Ministry of Health, National Accreditation Board. There were a total of twenty-three (23) participants.

- Two staging of the Food Safety Preventive Controls Training Sessions, with one being held in May and another held in August. Some of the participants included Honey Bun, UWI, and Environmental & Maintenance Management Services (EMMS).

### **Donations**

The family of the late Professor Wilfred Chan offered two awards to Natural Products graduate students over the course of the next five years. The first is a travel award to assist a graduate student who is attending an international conference to present a talk on their research. The other is the WRC Award for excellence in natural products research.

Culligan, Jamaica donated and installed a Culligan LC 150 Reverse Osmosis Unit for Distiller Pretreatment to the Sir William Bartley Undergraduate Laboratory.

### **Staff Movements**

During the course of the year, the following staff members bid the Department farewell: Ms. Toni Johnson, Mr. Omroy Shaw, Ms. Tashira Graham, Dr. Dennis Bailey (retired), and Professor Ishenkumba Kahwa (retired). The following persons joined the Department: Mr. Rakeem Martin, Ms. Samara Johns, Mr. Michael Henry, and Mr. Coniel Roye.

Dr. Vaughn Rattray proceeded on Sabbatical leave for the academic year. As a result, Dr. Rosemarie Wilson was engaged to assist with the teaching duties for the Applied Chemistry section.

### **Staff and Student Engagement Activities**

- The Chemistry Department hosted its Christmas Social on Friday December 14th, 2018. As usual, staff got the chance to relax and bond with colleagues. The Department's "Easter Mingle" Social was held in April.
- The Department's annual Labour Day Project initiative was held on May 17th. As usual, staff and graduate students volunteered their time and effort to repair and beautify areas within the Department.
- The UWI Chemical Society (ChemSoc) conducted a fundraising initiative by hosting a play at the Pantry Playhouse. The group netted a profit \$167,700.00, a portion of which was used to fund the startup of the Chemistry Student Assistance Fund to assist students in need.
- Three staff members were honoured at the UWI's annual Long Service awards.

They were Ms. Carleen Watson, Mrs. Mitzie Hibbert Samuels and Dr. Michael Coley. Together they served the University for a total of sixty (60) years.

- Drs. Debbie Ann Gordon-Smith, Michael Coley and three (3) students attended the Caribbean Water and Wastewater Association (CWWA) 27th Annual Conference and Exhibition in October, at the Hilton Rose Hall Resort, Montego Bay, Jamaica.
- Dr. Peter Nelson and his graduate student, Ms. Deneikah Jackson visited the lab of a collaborator (Dr. Irvin Booysen) at the University of Kwazulu Natal Pietermaritzburg Campus in South Africa. The purpose of the visit was to allow in-depth discussions on collaborative research projects. The visit was funded by the National Commission on Science and technology through a bilateral agreement which exists between Jamaica and South Africa.
- Dr. Andrea Goldson Barnaby participated in a Pilot ACS Global Exchange on Development of Student Laboratory Safety Skills via a virtual meeting on April 9 and 23, 2019.
- The Department of Chemistry's Student Chapter of the American Chemical Society (ACS) participated in online Skype sessions with representatives from the Puerto Rico Student Chapter on April 10 and 17, 2019.
- Dr. Andrea Goldson Barnaby and Ms. Debbie Ann Phillips (undergraduate student) attended the American Chemical Society Festival Training Institute, Lima, Peru, in June 2019.
- Dr. Debbie Ann Gordon Smith represented the department/faculty at the Frontiers of Science Meeting, hosted and sponsored by the Royal Society in the UK. The meeting was held in March under the theme "Climate Change and Developmental Biology".
- Dr. Marvadeen Singh-Wilmot, and her PhD Student, Mr. Zeyar Min, were awarded a LAAMP (FAST) (Lightsources for Africa, the Americas, Asia and Middle East Project) award to spend two months at the Brookhaven National Lab. The LAMP project is an IUPAP-IUCr project within the ICSU Grants Programme 2016–2019.
- Dr. Nickeisha Stephenson received the Canada-CARICOM Faculty Leadership Scholarship tenable at the University of Toronto and CAMH (The Centre for Addiction and Mental Health) in Toronto Canada. While there, she worked in the labs of Dr. Neil Vasdev, Director of the Azrieli Centre for Neuro-Radiochemistry.
- Dr Paul Maragh attended the 256th National Meeting of the American Chemical Society, Boston, MA, U.S.A. August 19–23, 2018.
- Dr. Gallimore visited the University of York through a collaborative research project between York and the University of the West Indies. The project sought to



identify possible applications of the invasive Sargassum seaweed. As a part of the research component of the project, graduate students Doleasha Davis and Sanjay Campbell visited the University of York to conduct research work on the project.

### **Department Seminar**

The coordination of the department seminars was again overseen by Dr. Marvadeen Singh-Wilmot. Throughout the academic year she coordinated Twenty (20) engaging and informative seminars covering a wide range of topics, which were delivered by visitors, faculty and postgraduates; seminars delivered by visitors to the department are listed below:

- Professor Ishenkumba Kahwa (Former Deputy Principal, UWI Mona and Chairman of the Hazardous Substances Regulatory Authority), “The Hazardous Substances Regulatory Authority: Nuclear and Radiation Sources and Chemists”.
- Professor Mona Webber (Director, Centre for Marine Sciences and Mr. James S. Moss Solomon Snr. Chair in Environmental Management) “Environmental Stewardship: Addressing the Issue of Plastic and Styrofoam Reduction”
- Professor Domingo Gonzalez-Arjona (Department of Physical Chemistry University of Seville Spain), “QSAR Applications in Chemistry – An Introduction”.
- Miss Karleen Black (Scientific Officer – Earthquake Unit, FST) in collaboration with Mr. Vaughn Brown, Maintenance Supervisor, Chemistry, “Earthquake Preparedness”.
- Mrs. ELECIA MYERS (Resource Mobilisation Coordinator, FST, UWI), “Leveraging Funding Opportunities for Chemistry: The Role of the FST Resource Mobilisation Unit.”
- Dr. Roland Lee (Assistant Professor of Chemistry, Department of Physical Sciences, MacEwan University, Edmonton, Alberta, Canada), “Exploration of Alternative Solvents and Catalysts”.
- Professor Joerg Feldmann (Director, Trace Element Speciation Laboratory (TESLA), University of Aberdeen, Scotland), “Speciation Analysis and Nanoparticles Characterisation Help to Describe Industrial and Biological Processes”.

**Student Enrolment:****Table1:** Number of students reading courses in chemistry 2015–2019

Level	2015-2016 Sem 1/Sem 2	2016-2017 Sem 1/Sem 2	2017-2018 Sem 1/Sem 2	2018-2019 Sem 1/Sem 2
Preliminary	233/197	225/182	220/177	172/141
Introductory	600/534	566/498	573/486	540/485
Advanced	218/188	256/233	246/224	252/205
Postgraduates	66/49	54/28	65/45	37/39

**Book Loan Schemes**

The Department continues with the operation of the book loan scheme for undergraduate students. The demand for the books at the introductory level continues to outnumber those for the preliminary and advance courses.

**Chemistry Honours Society (CHS)**

For semester one, a joint Honors Society Ceremony was held along with the Department of Physics and the Faculty of Engineering. Professor Klaus von Klitzing was the Keynote speaker.

Prof. Klaus von Klitzing, is the Director of the Max Planck Institute for Solid State Research and is a highly decorated scientist, who was the 1985 Nobel Laureate for Physics. He is a member of a host of science academies throughout the world, including the Vatican, and is one of only two living scientists with a physical constant that carries his name (von Klitzing constant, RK).

For semester two, the CHS Ceremony was held on February 21, 2019. Guest Speaker was Dr. Winklet Gallimore. There were eleven (11) awardees, ten (10) of whom were first time awardees and received the Bronze Award, while one (1) student received the Silver Award for qualifying for the CHS in two successive semesters. Special thanks to the team which ensured that the event was successful.

**CAPE Workshop**

During the period 14–18 January, 2019, the Department held another successful series of workshops on Spectroscopy and Chromatography for the Caribbean Advanced Proficiency Examinations (CAPE) in Chemistry. Over one thousand (1000) students and teachers from fifty-two (52) high schools and community colleges across the

island participated. Dr Sadler-McKnight and Mrs. Samuels continue to organize these workshops and their efforts are truly appreciated.

### **Visible Emissions Observer Training**

On January 22, 2019 and July 23, 2019 the Department facilitated the staging of the Biannual Visible Emissions Observer (VEO) Certification Training offered by the National Environment and Planning Agency (NEPA).

### **Research Days**

The Department of Chemistry participated in Research Days 2019 under the theme “70 years of Natural Product Research (1948–2018)” and featured booth displays from Professor Paul Reese’s Organic Chemistry Research group on topics such as Enzyme Modelling, Cell immobilization, Natural Product Chemistry, and Reaction Mechanisms. There were also the usual displays along the “spine way” of the Faculty of Science and Technology.

The Principal’s Research Day Awardees (2019) from the Department were:

- *Dr. Michael Coley – Best Research Publication (Faculty of Science & Technology).*
- *Dr. Andrea Goldson-Barnaby – Best Research Publication (Faculty of Science & Technology).*
- *Dr. Andrea Goldson-Barnaby – Most Outstanding Researcher (Faculty of Science & Technology).*
- *Prof. Mohammed Bakir – Research Project with the greatest Multidisciplinary/Cross Faculty Collaboration (UWI, Mona Campus)*

### **International Year of the Periodic Table**

In celebration of the International Year of the Periodic Table, the Department hosted a Public Lecture in February 2019, as part of the Research Days activities. The lecture was delivered by Professor Emeritus Robert Lancashire on the topic, “The Elements that Changed the Caribbean”.

### **Faculty Award Ceremony**

At the 2019 Annual Faculty Awards Ceremony, Drs. Michael Coley, Andrea Goldson Barnaby, and their collaborators were recognized for respectively being awarded as one of the Principal’s Research Awardees 2018, for best research publication. Dr. Goldson Barnaby was also recognized as one of the Most Outstanding Researchers/Research Activity.

Mr. Daniel Gillings was awarded the Distinguished Worker Award for the MONATS category.

### Academic Visitors to the Department

During the academic year, the following persons visited the Department

- Professor Klaus von Klitzing, Director, Max Planck Institute for Solid State Research
- Professor Joerg Feldmann, Director, and Dr. Eva Krupp, Co-Director of Trace Element Speciation Laboratory (TESLA), at the University of Aberdeen, Scotland.
- Dr. Roland Lee and Dr. Laura Cabral, MacEwan University, Edmonton, Alberta, Canada Prof Melvin Pascall, Ohio State University
- Prof. Domingo Gonzalez-Arjona, Department of Physical Chemistry University of Seville Spain.

### OUTREACH ACTIVITIES

Outreach activities for the year were coordinated by co-chairs Dr. Ainka Brown and Dr. Petrea Facey. The Department continued to engage the public via demonstrations and open day activities. The following are some of the activities that were undertaken:

- UWI Research Days Activities, February 6–8, 2019. This included displays and demonstration by member of Professor Paul Reese's research group. The focus was on Enzyme Modelling, Cell Immobilization, Natural Product Research, and reaction Mechanism.
- Launch of the "*International Year of the Periodic Table*" (IYPT).
- Scavenger Hunt and Chemiluminescence demonstration (Dr. Marvadeen Singh-Wilmot's Research Group)
- Participated in the Jamaica Cancer Society's fundraiser, Relay for Life 2019. There were displays and demonstrations relating to the theme "*Skin Cancer and Sunscreens*".
- Participated in the 2019 staging of Green Expo. Dr. Michael Coley /Ms. Denise Campbell showcased their research on *Biodeisel from waste cooking oils*.
- Participated in the *Meteorological Service* of Jamaica 'Weather, Climate, and Climate Change' quiz for prep and primary schools. There were displays and demonstrations relating to *Measuring pH using Red Cabbage*
- Conducted tours of the Chemistry Department and demonstrations for Belair High School. Fifteen (15) students toured the analytical instrumentation facilities and were given an overview of the uses of the instruments.

- Hosted the Liguanea Chess Club Summer Camp where a group of twenty-one (21), 6–12 year olds were engaged in chemistry experiments.
- Dr. Singh-Wilmot conducted the “Safety in Science” presentation at Ardenne High as they launched their Safety in Science Workshop.
- Dr. Singh-Wilmot facilitated a PEP preparation workshop on Separating Mixtures, with Grade 6 students at the Hopefield Preparatory school. Students received hands on exposure to separating methods such as paper chromatography and separatory funnel, and worked in teams to develop problem solving and critical thinking skills.
- Engaged in the Faculty of Science and Technology Outreach Committee Retreat which was held July 1, 3 & 5, 2019.

### PAPERS PRESENTED

- Annaleise H.L. Aiken, **Ian L. Thompson**, Diptendu Chatterjee, and G. Harvey Anderson. “Producing Valuable Protein Concentrates from the Cassava Crop’s Post Harvest Waste Products”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Poster Presentation).
- Christopher Hossack, Zeyar Min, and **Marvadeen Singh-Wilmot**. “Synthesis, Characterisation, Luminescence and Sensing Capabilities of a New 2-Hydroxyterephthalate Lanthanide MOF”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Poster Presentation).
- **Coley, Michael**. “Policy-directed management of waste cooking oil in small Caribbean economies”. Caribbean Water and Wastewater Association (CWWA) 27th Annual Conference an Exhibition. Montego Bay, Jamaica. October 2018. (Oral Presentation)
- **Coley, Michael**. “The Riverton Landfill Jamaica – Challenges and Opportunities”. Caribbean Water and Wastewater Association (CWWA) 27th Annual Conference an Exhibition. Montego Bay, Jamaica. October 2018. (Oral Presentation)
- Coniel Roye, **Winklet Gallimore**, JeAnn E Watson and Rupika Delgoda. “Characterisation of bioactive compounds found the Jamaican soft coral *Pterogorgia anceps*”. **Biennial Regional Chemistry Conference and Expo 2019**, UWI, St. Augustine, Trinidad, 22–24 May 2019. (Oral Presentation)
- Dwight Messam, **Novelette Sadler McKnight**, **Michael Coley** and Johan Boman. “Characterisation of Trace Elements and Organic Compounds”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Poster Presentation).

- **Gallimore, Winklet.** “Towards the exploitation of the invasive alga *Sargassum* for the benefit of Jamaica”. University of York; July 2019. (Oral Presentation)
- **Goldson Barnaby, A.,** Duffus, K., Virgo, H., Reid, R. “Free radical scavenging activity, total phenolics and metabolites identified in *Rivina humilis* berries”. Caribbean Academy of Sciences (CAS) 21st Biennial Meeting and Conference, Mona Visitor’s Lodge, University of the West Indies. Nov 27–30, 2018. (Oral Presentation).
- **Gordon Smith, Debbie-Ann.** “Assessment of the water resources in the Kingston hydrologic basin, Jamaica, using isotope techniques” (215). Session: Isotopes in groundwater age dating. International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes. Vienna. May 2019. (Oral Presentation)
- **Gordon Smith, Debbie-Ann.** “Stable isotope compositions of surface waters in Jamaica: Case studies from Rio Cobre and the Milk River watersheds” (#58). Session: “Isotopes in the assessment of groundwater systems”. International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes. Vienna. May 2019. (Oral Presentation) <https://multininclude.eu/multininclude-case/harvesting-the-suns-energy-2/>
- Isaac Morrison, JeAnn E. Murray, **Roy Porter** and Rupika Delgoda. “The Potential Chemo-preventive Value of a Prenylated Flavonoid Isolate of Jackfruit”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Oral Presentation).
- Jermaine A. Smith, **Marvadeen A. Singh-Wilmot**, Korey P. Carter and Christopher L. Cahill. “New Rare-Earth Metal-Organic Frameworks”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Oral Presentation).
- Kadane Morris, **Paul Maragh**, Tara Dasgupta and Kamaluddin Abdur-Rashid “The Application of Cationic Rhodium and Ruthenium Complexes to Catalytic Hydrogenation and Allylic Isomerization”. 256th American Chemical Society National Meeting & Exposition. August 19–23, 2018. Boston, MA, U.S.A. (Poster Presentation)
- Kadane Morris, **Paul T. Maragh**, **Tara P. Dasgupta** and Kamaluddin Abdur-Rashid. “Transition-Metal Catalysis for the Production of Active Pharmaceutical Ingredients”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Oral Presentation).
- Kellyann Clarke, **Roy Porter**, **Petrea Facey** and Camille Thoms-Rodriguez. “Essential Oil Composition and Antimicrobial Activity of Cannabis Sativa Grown in Jamaica at Five Stages of Maturity”. The Caribbean Academy of Sciences 21st

- General Meeting and Conference. Kingston, Jamaica. November 2018. (Oral Presentation).
- Littlelet N. Scarlet-Banks, Kamaluddin Abdur-Rashid, **Paul T. Maragh** and **Tara Dasgupta**. “Chiral Ruthenium Aminophosphine and Phosphine Iminopyridine Complexes for Asymmetric Catalytic Transformation”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Oral Presentation).
  - M Bakir. “Adventures in the coordination chemistry of heteroaromatic ketone hydrazonic compounds”. Abstracts of Papers of the American Chemical Society 256. August 2018.
  - Malcolm, M. and **Goldson Barnaby, A.** “Proximate analysis and antioxidant properties of *Samanea saman* seeds.” ACS Spring 2019 National Meeting in Orlando, FL, March 31–April 4, 2019. (Poster Presentation).
  - Marc A. Collins and **Paul B. Reese**. “Calcium alginate immobilized filamentous fungal cells as catalysts for biotransformation reactions”. **Biennial Regional Chemistry Conference and Expo 2019**, UWI, St. Augustine, Trinidad. May 2019. (Oral Presentation)
  - **Marvadeen Singh-Wilmot**. “Lanthanide (III) Containing Materials: From Polynuclear Clusters to Coordination Polymers and Metal Organic Frameworks”. **Biennial Regional Chemistry Conference and Expo 2019**, UWI, St. Augustine, Trinidad. May 2019. (Oral Presentation)
  - **Michael D. Coley**, Denise Campbell and Dale R. Rankine. “Integrated Production of Biodiesel and Purified Glycerol from Waste Cooking Oil”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Oral Presentation).
  - **Patrice C. Peart**, Avril R.M. Chen, Marc A. Collins and **Paul B. Reese**. “Generation of Analogues of Natural Products using Immobilised Fungal Cells”. **Biennial Regional Chemistry Conference and Expo 2019**, UWI, St. Augustine, Trinidad. May 2019. (Oral Presentation)
  - Samantha Brown-Dewar, **Tara P. Dasgupta** and **Paul T. Maragh**. “Residual Levels of Furan in Some Caribbean Foods Using Headspace Gas Chromatograph Mass Spectrometer (HS/GC-MS)”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Oral Presentation).
  - Shannen C. Lorraine, **Paul T. Maragh**, **Tara P. Dasgupta**, Kamaluddin Abdur-Rashid. “Chiral Transition Metal Diphosphine Complexes and Their Applications in Asymmetric Catalysis”. The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Oral Presentation).
  - **Stephenson, Nickeisha** and Dr Saran Stewart. “Harvesting the Sun’s energy:



Measuring Undergraduate Students' Science Confidence, Motivation and Knowledge Gains". Inclusive Education and Curriculum Development. From Theory to Practice, Multinstitute Project, ECHO. (Webinar Presentation).

- Zeyar Min, **Marvadeen Singh-Wilmot** and Richard Taylor. "Crystal Engineering of Lanthanide Metal-Organic Frameworks (Ln-MOFs) Using Conceptual Tertiary Building Units (TBUs)". The Caribbean Academy of Sciences 21st General Meeting and Conference. Kingston, Jamaica. November 2018. (Oral Presentation).

## PUBLICATIONS

- BE Freeman, **WH Mulder**. "Insect Dynamics in Heterogeneous Environments and the Relevance of Retrospective Life Tables and Cyclic Budgets: An Integrated Approach". *Journal of Entomological Science* 54, 4 (2019) 325–344.
- Dahl, K.; Garcia, A.; **Stephenson, N. A.**; and Vasdev, N. "‘In-loop’  $^{18}\text{F}$ -Fluorination: A proof of Concept Study" *Journal of Labelled Compounds and Radiopharmaceuticals* 62, 7 (2019):292–297.
- Deneikah T. Jackson, **Peter N. Nelson**. "Preparation and Properties of Some Ion Selective Membranes: A Review". *Journal of Molecular Structure*, 1182 (2019): 241–259.
- E Faghani, M Kolahi, **A Goldson Barnaby**, B Sohrabi. "Physiological traits and anatomic structures of the seed for two short cotton season genotypes (*Gossypium hirsutum* L.) under water stress". *Journal of Integrative Agriculture* 18,(2019):2–11.
- E Faghani, M Kolahi, B Sohrabi, **A Goldson Barnaby**. "Anatomic features and antioxidant activity of cotton seed (*Gossypium hirsutum* L.) genotypes under different irrigation regimes". *Journal of Plant Growth Regulation* (2019):1–14.
- **Goldson Barnaby, A.**, Clarke, J., Warren, D., Duffus, K.. "Free radical scavenging capacity, carotenoid content and NMR characterization of *Blighia sapida* aril oil". *Journal of Lipids*. (2018)
- J Clarke, **A Goldson Barnaby**, **R Reid**. "Lauric acid composition of *Cocos nucifera* (coconut) oil". *Seed Technology* 39, 1 (2018):73–79.
- Jermaine A. Smith, **Marvadeen A. Singh-Wilmot**, Korey P. Carter, Christopher L. Cahill, and James A. Ridenour. "Lanthanide-2,3,5,6-Tetrabromoterephthalic Acid Metal–Organic Frameworks: Evolution of Halogen...Halogen Interactions across the Lanthanide Series and Their Potential as Selective Bifunctional Sensors for the Detection of  $\text{Fe}^{3+}$ ,  $\text{Cu}^{2+}$ , and Nitroaromatics". *Crystal Growth & Design* 19, 1 (2019):305–319.
- KA Blissett, **A Goldson Barnaby**, M Emanuel. "Biochemical properties of tree ripened and post harvest ripened *Mangifera indica* (cv. East Indian)". *International Journal of Fruit Science*. (2019):1–12.



- Liang, S.H.; Wang, L.; **Stephenson, N. A.**; Rotstein, B. H.; and Vasdev, N. “*Facile 18F labeling of non-activated arenes via a spirocyclic iodonium(III) ylide method and its application in the synthesis of the mGluR5 PET radiopharmaceutical [18F]FPEB*”. *Nature Protocols* 14,5 (2019):1530–1545.
- **M Bakir**, MW Lawrence, P Nelson, MB Yamin. “*Catalytic C–C cross-coupling and hydrogen evolution by two Pd (II)-complexes of di-2-pyridyl ketone benzoyl hydrazones*”. *Journal of Coordination Chemistry* 72, 13 (2019):2261–2278.
- **M Bakir**. “*X-ray crystallographic, spectroscopic and electrochemical properties of a bi-stable di-2-thienyl ketone 2, 4-dinitrophenyl hydrazone (dtkdnph)*”. *Journal of Molecular Structure* 1173, (2018):942–950.
- M Yazdi,, M Kolahi, E Mohajel Kazemic, **A Goldson Barnaby**. “*Study of the contamination rate and change in growth features of lettuce (Lactuca sativa Linn.) in response to cadmium and a survey of its phytochelatin synthase gene*”. *Ecotoxicology and Environmental Safety*. 180, (2019):295–308.
- **Nelson, Peter**. “*1H-indazoles from phenylhydrazenes: A exploratory DFT study of a possible intramolecular evolutionary synthetic route*”. *Journal of Molecular Structure* 1181 (2019): 423–427.
- **Nelson, Peter**. “*A theorethical assessment of the primary hydration shell formation for calcium pyrophosphate*”. *Journal of Molecular Structure*, volume 1190 (2019): 144–147.
- **Nelson, Peter**. “*Spectroscopic, Optical Sensing and RedOx Behaviour of 1, 5-diphenylcarbazon*”. *Journal of Molecular Structure*. Accepted, May 2019.
- Nijole J. Young, **Michael D. Coley**, Anthony M. Greenaway. “*Mineralogical investigations of Jamaican hematite-rich and goethite-rich bauxites using XRD and solid state 27Al and 31P MAS NMR Spectroscopy*”. *Journal of Geochemical Exploration* 200 (2019) 54–76.
- Norda S. Stephenson, Imron R. Miller, and **Novelette P. Sadler-McKnight**. “*Impact of Peer-Led Team Learning and the Science Writing and Workshop Template on the Critical Thinking Skills of First-Year Chemistry Students*”. *Journal of Chemical Education* 96, 5 (2019): 841–849.
- Sharna-kay A. Daley, **Nadale K. Downer-Riley**. “*An Improved Synthesis of Balsaminone A*”. *Synlett* 30,03 (2019): 325–328.

### Book Chapter

- **Downer-Riley, N. K.** “*Synthesis and Functionalization of S heterocycles via CDC Reactions*”. In *Heterocycles via Cross Dehydrogenative Coupling*, Srivastava, A & Jana, C. K. Eds: Springer Nature, 2019, 279–308 (ISBN 9811391440, 9789811391446)

## INCOME GENERATION

- Consultation fees, summer school and other departmental income: \$7,974,636.29
- Dr Winklet Gallimore received a contribution of \$1,500 USD from the Matsumae International Foundation (MIF), Japan, to support research.
- A grant valued at £30,000, to conduct work on possible applications of the invasive Sargassum seaweed was obtained by Dr. Winklet Gallimore through a collaboration with the University of York [Global Challenges Research Fund (GCRF)]. As part of the collaborative project, £5,000 was allocated as a contribution towards laboratory work conducted at the Chemistry Department in Jamaica.
- Dr. Marvadeen Singh-Wilmot received J\$1,600,000.00 from the New Initiative grant for the project “Rare-Earth Metal Organic Frameworks for Sensing Pollutants and Explosives”.
- Professor Paul Reese received £4,000 from the Royal Society of Chemistry Research Fund Grant (RF19-4687) to purchase laboratory glassware for a project entitled “Chemistry of polyketide natural products from *Paraconiothyrium cyclothyrioides*”.
- Dr. Debbie-Ann Gordon-Smith received a travel grant received from the International Atomic Energy Agency (IAEA) (2000 euros). She received JMD\$100,000 from the UWI Research and Publications Grant Fund to present at the International Symposium on Isotope Hydrology: Advancing the Understanding of Water Cycle Processes, May 2019, Vienna.
- Dr. Andrea Goldson Barnaby received a grant from the American Chemical Society Chemistry Festival in the amount of US\$3000.
- The following graduate students received awards from the Mona Campus Committee for Research & Publications and Graduate Awards: Jordan McKenzie and Ricaldo Pryce (US\$4,788.86 and J\$117,499.00); Jermaine Smith (US\$3000); Romario Smith (US\$2448.42).

## PUBLIC SERVICE

### Dr. Donna Minott Kates

- Board Chairman of the Grove Primary and Infant School, Gordon Town, St. Andrew.

### Dr. Andrea Goldson-Barnaby

- Member, National Mirror Committee on Starch, Bureau of Standards Jamaica, May 2019.

- Guest speaker at the Caribbean Academy of Science (CAS) Food Safety Forum, April 2019.

**Dr Vaughn Rattray**

- Member, Board of Directors of the International Centre for Environmental and Nuclear Sciences (ICENS).

**Dr. Novelette Saddler McKnight**

- Coordinated CAPE Chemistry Spectroscopy workshop, January 14–18, 2019.

**Dr. Winklet Gallimore**

- Membership on the Joint Board of Teacher Education (JBTE).
- Participant in the preliminary process of judging in the Scientific Research Council 2019 National Science & Technology Fair.

**Dr. Peter Nelson**

- Member, Bureau of Standards Soap Committee

**Dr. Roy Porter**

- Member, National Commission on Science & Technology (NCST) Hazardous Laboratory Waste Adhoc Committee (HALWAC).

## **STUDENTS**

Graduate student, Mr. Marc Collins was awarded first prize for the best graduate student oral presentation at the Biennial Regional Chemistry Conference and Expo, held in Trinidad.

At the Award Ceremony for the Faculty of Science and Technology held 26th March 2019, the prizes and scholarship for undergraduate students in the chemistry department were awarded to:

Anthony Brown	The Chemistry Department Prize
Odesha Taylor	The Garfield Sadler Award
Rochelle McKenzie	The Pavelich/Honkan Prize
Christopher Hossack	The Cedric Hassall Scholarship
Sarah Barnett	The Leonard J. Haynes Award
Wilbert Buchanan	The Kenneth Magnum prize for Applied Chemistry
Colleen Reid	The Wilfred Chan Award
Annie Roach	The Willard Pinnock Prize



## DEPARTMENT OF COMPUTING

**Dr. Gunjan Mansingh**, BSc (*Bombay University*), MPhil, PhD (*UWI*)  
– Head of Department

### OVERVIEW

The Department of Computing (DoC) continues to offer multiple undergraduate and postgraduate programmes. We regularly revise our undergraduate programmes to keep them in line with international curricula recommendations for computing. Our undergraduate student numbers reflect the worldwide growth in student enrolment in Computing.

The 2018/19 academic year was monumental for the DoC, as this year we had two successful MPhil upgrades to PhD and three (3) PhD students graduating, one with high commendation. Two of the graduates are lecturers in the DoC and the third got a position as an Assistant Professor (research) at the Claremont Graduate University, California, USA. Ten (10) years ago the department had only 2 staff members with PhDs. Since then, with the focus to both build from within and trying to hire persons externally, all our staff members (lecturer scale and above) have PhDs.

Our linkages with industry continue to grow as our student interns are working in various local and international companies like National Commercial Bank and Goldman Sachs. We created postgraduate programmes in Applied Data Science, which were approved this year and are well-aligned to industry needs both locally and internationally.

### PROGRAMMES AND STUDENT NUMBERS

The department continues to offer many undergraduate and postgraduate programmes as shown below.

#### Undergraduate

- BSc General
  - Computer Science major (CS)
  - Software Engineering major (SE)

- BA (Computer Science major)
- BSc Information Technology (IT)
- BSc Computer Systems Engineering – On hold
- BSc Software Engineering – Years 1 and 2 are offered at The UWI and years 3 and 4 in China at GIST.

#### Graduate/Postgraduate

- MSc – Computer Science
- MSc – Information Systems
- Postgraduate Diploma in IT
- M.Phil. and PhD. – Computer Science

The number of students registered in the various programmes in the academic year 2018/19 are displayed in Table 1. The data in Table 1 reflects the number of distinct students who register for courses at each level within the specified academic years. The BSc IT programme is also offered at Mona Western Jamaica Campus (WJC) and we stream advanced levels courses to WJC. In the BSc – Software Engineering programme we stream Year 1 and 2 to Cave Hill. A few courses in Year 1 are also streamed from Cave Hill.

**Table 1:** Student numbers registered in Computing in last five years

Level	2014–2015 Sem 1/Sem 2	2015–2016 Sem 1/Sem 2	2016–2017 Sem 1/Sem 2	2017–2018 Sem 1/ Sem 2	2018–2019 Sem 1/ Sem 2
Introductory	463/433	528/433	521/470	599/538	524/448
Advanced	227/240	282/281	318/299	323/308	367/350
M.Sc. Comp. Sci	63	38	37	26	24
M.Sc. CBMIS	47	53	69	68	73
PGDIT	n/a	17	3	13	3
M.Phil.	15	12	11	16	9
Ph.D.	4	6	4	6	6

**Table 2:** Students graduating across majors in 2018

Major	First Class M/F	Upper Second M/F	Lower Second M/F	Pass M/F	Total M/F
Computer Science (B.Sc.)	2/2	16/11	12/4	6/2	36/19
Computer Science (B.A.)	0/0	2/0	2/0	0/0	4/0
Computer Systems Engineering (B.Sc.)	0/0	0/0	0/0	0/0	0/0
Information Technology (B.Sc.)	0/1	3/6	2/1	2/1	7/9
Software Engineering (B.Sc.)	0/0	1/1	1/1	0/0	2/2
<b>Total</b>	<b>2/3</b>	<b>22/18</b>	<b>17/6</b>	<b>8/3</b>	<b>49/30= 79</b>

## ACCESS

### Students

Up to the 2018/19 year, the department only had one student award – The Karl Robinson Award, that was given to a third year student with the highest GPA in Computing courses across the first and second years. This academic year two new awards for second year students were added at the annual Faculty Awards ceremony on March 26, 2019:

- NCB's Best Student in Computer Science/Software Engineering (Level 2) – Mr. Nathaniel Christie
- NCB Best Student in Information Technology (Level 2) – Mr. David Blackburn

Each award carried a cash prize of \$50,000.00. Both students were also invited to take part in an NCB Summer Internship.

The Local Contest for the ACM-ICPC (Intercollegiate Programming Contest) finals was held on September 22, 2018. This year nine student teams of three students each registered for the contest. This marks an increase in five teams compared to the same contest last year. All the teams present solved at least one problem. The winning team was Skynet, composed of: Andryck Rodgers, Jordan Williams and Cargill Seiveright, and their coach was Professor Daniel Coore.

Students from the department participated in the Developing the Caribbean Open Data Conference & Code Sprint (DevCa2019) held on May 16–19, 2019 at the Regional Headquarters. The theme for the Code sprint was 'Smart Communities,

Smarter People'. The first-place team consisted of second year students from the DOC – Rowan Atkinson, Nathaniel Christie, Nathan Downer, Kayon-Marie Douglas and Zidane Wright. The second-place team comprised of two second year students from the Department (Dominic Henry and Shaun Jennings) and two from the Faculty of Engineering (Kymani Anderson and Jordan Madden).

A team of second-year female students participated in a hackathon to commemorate the International Girls in ICT (GICT) Day 2019 and placed third. The team members were Gabriele Higgins, Stephanie Jones, Jordanne Dale, Kayon-Marie Douglas and Lateefah Smellie, they created a web application "Recycle Go" that tracks points for participants as they recycle plastic bottles. It works in liaison with smart recycle bins.

In the Department, we subscribe to the idea that regular practice is a key factor in how well students learn to read and write computer programs. Frequent assessment in courses based on programming is therefore an important component to our strategy to deliver effective learning to our students. In the past, this ideal was challenged by the need to have enough labour to provide feedback to students soon enough to impact the learning process. Recently, we have begun to use the HackerRank (TM) platform to alleviate this problem. This is an on-line platform that allows us to create programming problems, to which students may submit written programs as their solution. Those submissions are automatically tested and graded, and the students are immediately informed about the suitability (correctness and performance) of their submitted program. Students are also permitted to resubmit solutions, thereby encouraging them to learn from their mistakes. One unintended side-effect of the HackerRank platform is that in some instances, it has increased student engagement through the gamification effect of its leaderboard. Since the platform is built to support coding competitions, each assignment is actually presented as a contest, and therefore automatically presents the performance of all its participants on a leader board, which ranks the students' submissions based on the number of points earned for correctness, and the time taken to solve the problem (used as a tie breaker).

## **WORKSHOPS AND SEMINARS**

At Mona Western Jamaica Campus Mr. Anthony Drummonds gave a presentation on the importance of smart cities, why Jamaica is working towards establishing smart cities, and the different smart city applications that have already been identified. Examples of the latter are NIDS, JamaicaEye, and JPS Smart Streetlight project.

Mr. Drummonds was also interviewed on the topic "Cybercrime and the JamaicaEye" by Power 102 FM, RJR, Jamaica News Network, and The Jamaica Observer. He also conducted a workshop on how to identify phishing websites. 326 participants participated in a quiz for identifying phishing websites.

## LIST OF PUBLICATIONS

### Conference Proceedings – (Peer reviewed)

- L. Rao, M. McNaughton M. and G. Mansingh (2018). An Agile Integrated Methodology for Strategic Business Intelligence, Proceedings: 24th Americas Conference on Information Systems (AMCIS), New Orleans, U.S.A., Aug. 16-18 2018, <http://aisel.aisnet.org/amcis2018/>, 10 pages.
- D. T. Fokum, D. N. Coore, E. Ferguson, G. Mansingh, and C. Beckford, “Student Performance in Computing Courses in the Face of Growing Enrollments” Accepted for 50th ACM Technical Symposium on Computer Science Education, Minneapolis, MN, USA, Feb. 27–Mar. 2, 2019. doi: 10.1145/3287324.3287354.
- D.N. Coore and D. T. Fokum, “Facilitating Course Assessment with a Competitive Programming Platform” Accepted for 50th ACM Technical Symposium on Computer Science Education, Minneapolis, MN, USA, Feb. 27–Mar. 2, 2019.
- D. Coore and D. Fokum, “Facilitating course assessment with a competitive programming platform,” in Proc. of the 50th ACM Technical Symposium on Computer Science Education, (SIGCSE '19). Minneapolis, MN, USA: ACM, 2019, pp. 449–455, acceptance rate: 32%. [Online]. Available: <http://doi.acm.org/10.1145/3287324.3287511>
- D. T. Fokum, D. N. Coore, E. Ferguson, G. Mansingh, and C. Beckford, “Student performance in computing courses in the face of growing enrollments,” in Proc. of the 50th ACM Technical Symposium on Computer Science Education, (SIGCSE '19). Minneapolis, MN, USA: ACM, 2019, pp. 43–48, acceptance rate: 32%. [Online]. Available: <http://doi.acm.org/10.1145/3287324.3287354>
- M. Ormsby, M. and C. Busby-Earle (2019). Scaling a Standardized Procedure to Conceptualizing and Completing User Stories across Scrum Teams and Industries. In Proceedings of the 14th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE 2019), Crete, Greece, May 4-6, pages 127-133, ISBN: 978-989-758-375-9
- D. J. Jones and G. Mansingh 2019. “NLP Powered Use Case for Passive Collective Intelligence: Witness Statement Processing.” In ACM Collective Intelligence, Pittsburgh, USA, June 13–14, 2019.
- S. U. Ewedafe (2019). The Numerical Solution of Heat Equation by the Fourth-Order Iterative Alternating Decomposition Explicit Method with MPI. 8th International Conference on Computer Science & Computational Mathematics, Langkawi, Malaysia, July 4–5. To be published in the proceedings 2019.
- A. Bodley, G. Mansingh and K.-M. Osei-Bryson (2019). Data Mining in Cricket



Team Selection, Proceedings: 25th Americas Conference on Information Systems (AMCIS), Cancun, Mexico, Aug 14–18 2019. 5 pages.

- M. Murray and C. Busby-Earle (2019). “Towards Business Readable Formal Specifications.” In Proceedings of The 19th IEEE International Conference on Software Quality, Reliability and Security. Sofia, Bulgaria. July 22–26.

#### **Edited Book**

- Nana Farika Berhane (Author), Ashley George Hamilton-Taylor (Editor) (2018). *Africa on the Move: Communiqués on the AU Global Diaspora Summit and the OAU/AU 50th anniversary highlighted with Pan African visionary reasoning*. Washington DC: Queen Omega Communications, 2018. ISBN-13: 978-0-9909568-2-2

#### **Journals**

- S. U. Ewedafe and H.S. Rio (2019). Distributed Performance Improvement of Alternating Iterative Methods running on Master-Worker Paradigm with MPI. *International Journal of Emerging Trends & Technology in Computer Science (IJETTCS)*, Volume 8, Issue 2, March – April, pp 17–27, Impact Factor 0.55.

#### **Books Chapters**

- C. Uwaoma and G. Mansingh (2019). A Machine Learning Approach for Delineating Similar Sound Symptoms of Respiratory Conditions on a Smartphone. In: Gusikhin O., Madani K. (eds) *Informatics in Control, Automation and Robotics*. ICINCO 2017. Lecture Notes in Electrical Engineering, vol 495. pp 664-678, Springer, Cham. [https://doi.org/10.1007/978-3-030-11292-9\\_33](https://doi.org/10.1007/978-3-030-11292-9_33)

#### **OUTREACH PROGRAMMES**

**WJC Symposium:** The Mona Western Jamaica Campus (WJC) hosted a Sustainable Cities Symposium on October 11, 2018. Mr. Anthony Drummonds from the DoC served as co-chair for the symposium. Other participants from the DoC included Mr. Alton Bodley, Dr. Ricardo Anderson and Dr. Paul Gaynor, who served as moderators for various sections of the event.

**UCJ:** Daniel Fokum served as an external assessor for the University Council of Jamaica (UCJ). He examined A.Sc. and B.Sc. programmes in Information & Communication Technology at a tertiary institution in November.

**CAPE Workshops:** The DoC participated for the second time in the CAPE workshops put on by the Faculty by hosting two workshops for Computer Science at the Western

Campus. The first workshop covered topics in Unit 1: Internal Assessment, C Programming; Functions, Arrays, Structures, Pointers and File Manipulation. A total of 16 students and their teachers attended from two high schools, Cornwall College and York Castle High. The second workshop covered topics in Unit 2: Internal Assessment and Abstract Data Types. A total of 15 students and their teachers attended from the same schools as those for Unit 1. Both workshops were led by Dr. Ricardo Anderson. The workshops included hands-on labs sessions where the students were able to write and execute programs in the C programming language. The administrative components were handled by Dr. Phillipa Bennett. The workshops were successful, as both teachers and students reported that they benefited greatly from the materials presented.

**UWI Research Days:** For Research Days the DoC coordinated two booths that spanned two projects. The first project was an automated surveillance solution to demonstrate the use of low cost sensors that, if triggered, would send coordinates to an unmanned aerial vehicle (UAV), which would then fly from a base station to the location of interest (without human intervention), perform a patrol, and then return to the base station. Scheduled live demonstrations were provided from an outside booth located on the lawns across from the Assembly Hall. This project was conceptualized and implemented by postgraduate students from Computing, as well as Electronics Engineering, and the booths were manned by the Computing Society. Information on the project was also disseminated via a radio interview on News Talk FM, a televised interview on Jamaica News Network, and in the booth inside the tent.

The second project was a program demonstrating an unsupervised automated video classification strategy. This was also hosted inside the tent.

Professor Daniel Coore was a speaker at a signature seminar event titled “Academic Research and funding the enterprise: a look at key strategies for success” hosted by the Office of Graduate Studies on day 2. His talk covered present “strategies for transferring research results into the marketplace.

The department had four (4) posters on display:

1. An unsupervised automated video classification strategy by Dr. Paul Gaynor.
2. A strategy to apply artificial intelligence in the selection of the West Indies Cricket Team by Mr. Alton Bodley, Dr. Gunjan Mansingh, and Prof. Kweku-Muata Osei-Bryson. Mr. Bodley and Dr. Mansingh were invited to speak about this research on Klas FM, Power 106 FM, and News Talk FM.
3. Cybercrime and the JamaicaEye by Mr. Anthony O. Drummonds and Dr. Deanne Cranford-Wesley\*

\*Dr. Deanne Cranford-Wesley is the Department Chair at the David iTECCenter at Forsyth Technical Community College, Winston-Salem, North Carolina, USA.

4. Towards and Ontology Scheme for Mitigating Malware Attacks in the Internet of Things by Mr. Anthony. O. Drummonds and Dr. Daniel T. Fokum.

Both Drs. Ricardo Anderson and Gunjan Mansingh were featured in the official Research for Development (RD) booklet. Dr. Ricardo Anderson's work on "extracting integrating knowledge into existing information systems" was featured in the booklet under the postgraduate section. He also had a poster in the main display tent that was a summary of the feature from the RD booklet. Dr. Gunjan Mansingh's research on "harnessing data information and knowledge to assist the decision-making process" was featured in under the staff section.

## **ALIGNMENT**

**Internships:** The DoC continues to build relationships with organizations to include them in our internship course. This academic year we added nine (9) more companies to the existing list of 29 companies where our students have been placed as interns. The UWI-NCB *Digital Agile Lab* which the department runs in collaboration with Mona School of Business and Management commenced the second cohort with 15 interns and trained them over a period of 16 weeks. These interns were trained to fill key roles as software developers, customers experience & design experts, and data scientists at NCB. All the 15 interns have been hired by the institution.

This academic year even international companies like Goldman Sachs visited the campus in October 2018 to encourage our students to apply for their internship programme. Representatives from Goldman Sachs gave a presentation to over 30 students from the faculty, primarily from the DoC, to acquaint them with the application process. After a series of technical and behavioural interviews a student from the DoC, Mr. Michael Calloo was selected, and in the summer of 2019, he spent two months at the Technology Division of Goldman Sachs Services (Asia) Limited in Hong Kong. Subsequently he has been offered a full-time job there starting January 2020.

**Programmes:** The department has launched a new programme in Applied Data Science. The programme is offered as a certificate, postgraduate diploma and a MSc. Data science is among the most needed skills of the Fourth Industrial Revolution as Big Data and Machine Learning is playing an integral role in several sectors

**Talks:** Dr. Daniel Fokum and Dr. Gunjan Mansingh visited the Fraud Section of the United States Embassy, Kingston in September 2018. Dr. Fokum made a presentation titled "IP addresses, and address allocation in Jamaica" to the staff members in that section.

Mr. Camir Ricketts, a PhD candidate at Weill Cornell Medicine, gave a talk on Wednesday October 24th, 2018 in the department's seminar series on the topic "A

Computational Biology Guest Lecture: Using large-scale data to drive healthcare”. He also discussed with graduate students the opportunities for UWI students at Weill Cornell Medicine and postdoc opportunities in Computational Biology at Cornell University.

**Jamaica Computer Society’s 2018 Knowledge Forum:** Dr. Gunjan Mansingh was the chair of the conference “TechVolution – Exploring AI, Building Enterprise Security and Delivering Data Privacy”. She organized this two-day conference at Regional Headquarters, UWI on November 7–8, 2018. The conference included multiple talks, workshops and culminated in a panel discussion titled “Data, AI and Society – Charting a way forward for a Digital Jamaica”. The conference was a huge success with 180 persons registering. The organizing committee was able to secure nine sponsors with a contribution of over 2 million dollars.

Mr. Dean Jones of the DoC gave a talk at Knowledge Forum titled “Collective Intelligence – What, How and Why?”. The talk provided a platform for Mr. Jones to present his research to industry.

**Career Fair – Montego Freezone:** On March 22, 2019, the department along with the UWI Marketing team participated in a Career Fair held at the Montego Free-zone in Montego Bay, St. James. The Fair targeted workers in the BPO sector. Anthony Drummonds represented the DoC at the event where we marketed our various programmes on offer especially BSc IT which is at WJC and the new programmes in Applied Data Science. At least 50 persons visited the UWI booth.

**Science for Today Public Lecture:** On March 27th, 2019 the department hosted the 6th Science for Today Public Lecture. The theme for the event was “AI and Automation: Disruption or Opportunity?”.

The presenters were as follows:

- Mr. Howard Mitchell – President of Private Sector of Jamaica (PSOJ)  
*Title: “The Role of Technology in Jamaica’s Development: How do we get from here to there?”*
- Dr. Gunjan Mansingh – HoD, Department of Computing  
*Title: “DeMystifying AI”*
- Prof. Daniel Coore – Professor, Department of Computing  
*Title: “From Blockchain to Smart Machines: The Threats and Opportunities of Automation”*
- Mr. Anthony Drummonds – Graduate Student & Instructor, Western Jamaica Campus, Department of Computing  
*Title: “Smart City Solutions”*

- Moderator – Dr. Maurice McNaughton – Director, Centre for IT enabled Innovation, Mona School of Business and Management.

**Visits:** Peter Harrison from the Palisadoes Foundation visited the DoC in January to discuss mechanisms to encourage more students to participate in the Calico Challenge, in which they work with industry professionals to build open-source software projects.

Mr. Gary Barrow, the Chief Technical Officer and Mr. Vernon Douglas, the Chief Financial Officer from JPS visited the DoC and held preliminary talks with Dr. Mansingh, Professor Coore and Mrs. Elecia Myers on opening an innovation lab on campus.

Four lecturers from the Department of Computer Science, University of Guyana visited the DoC where they met and held discussions with the academic staff. The University of Guyana focuses primarily on undergraduates, hence they are looking to the DoC to guide them and to assist in postgraduate work. It was decided that we would stream the departmental seminars to them and also encourage them to present,

## **AGILITY**

The first cohort of the BSc Software Engineering – UWI-CIIT programme left for China on September 4th 2018, accompanied by Drs. Curtis Busby-Earle and Ezra Mugisa from the DoC. Their primary objectives were to: inspect the newly refurbished dormitory for our students; tour the facilities and resources that are being provided for our students by the Global Institute for Science and Technology (GIST); meet the UWI's Assistant Registrar for the UWI-CIIT in China Mr. Justin Seale; meet the academics that will be delivering our courses to our students and discuss the curriculum; meet the members of GIST's administration and discuss matters related to examination regulations and procedures; ensure all our students arrived safely and were oriented with basic services (public transportation, health facilities, banking, cellular). Drs. Busby-Earle and Mugisa were pleased to report that all objectives were accomplished.

There have been functional issues in running the BSc Software Engineering programme and technical infrastructure needed to ensure effective delivery of lectures to all campuses is lacking.

In January 2019, Dr. A.G. Hamilton-Taylor travelled to Ethiopia to continue the filming of his 3D documentary on Ethiopia, focusing on the sacred traditions of the Ethiopian Orthodox Tewahido church and the art and architecture of their ancient churches.

In 2019, Dr. Mansingh was appointed chairperson of the Universal Service Fund (USF) board, of the Ministry of Science, Energy and Technology (MSET), Government

of Jamaica. The objective of the board is to build a knowledge-based society through universal access to the Internet, digital inclusion.

To improve the learning outcomes several lecturers in the department have been recording their lectures and posting the videos on Ourvle. This has become more critical due to the technical challenges that are faced during streaming of lectures. Though an overhead on staff members this has the potential to attract regional and part time students into our programmes.

We are encouraging our students to participate in international coding contests which increases visibility of UWI and it makes the students better able to access international employment opportunities such as Goldman Sachs, Google, WordPress, Apple and Lyft.

Our undergraduate curricula are compliant with recommendation of the international recognised professional bodies ACM-IEEE. This enables our programmes to articulate readily with international programmes.

# DEPARTMENT OF GEOGRAPHY AND GEOLOGY

Professor Simon F Mitchell, B.Sc. Hull, Ph.D. Liverpool – Head of Department



## WORK OF THE DEPARTMENT

Professor Simon F. Mitchell continued as head of the Department for the 2018-2019 academic year as well as continuing as Acting Head of the Earthquake Unit. Dr Mike Burn went on sabbatical leave and Dr S. Yoshi Maezumi undertook his teaching for the year. Dr David Miller continued as examinations coordinator. Emeritus Professor David Barker was appointed for a year to teach on the Geography program. Mr Kevin Tankoo was employed as an assistant lecturer to teach the course Petroleum Geology on the Geology Programme. Dr Robert Kinlock left the Department and Mr Alex Moulton was appointed for the year to cover his duties. Dr Arpita Mandal resumed her duties as coordinator of Graduate Students. Dr Sherene James-Williamson coordinated outreach, and Dr David Miller and Dr Thomas Stemann were section heads for the Geography and Geology programmes, respectively. Dr Sherene James-Williamson continued in her position as Associate Dean for Outreach in the Faculty of Science and Technology. The Department ran a full set of courses for the year despite having several vacant positions.

Dr Donovan Campbell continued his work as Lead Author for the Sixth Assessment Report for the Intergovernmental Panel on Climate Change (IPCC). He attended the First Lead Author Meeting for the IPCC Sixth Assessment Report in South Africa (21–25 January 2019), and the Fourth Lead Author Meeting for the IPCC in Colombia (11–15 February 2019).

Dr Mike Burn received the Mary Sears Award from Woods Hole Oceanographic Institution in August 2018 which allowed him and his graduate student, Romario Anderson, to visit the Coastal Geosystems Group in the University of Massachusetts at Amherst to develop collaborative links, exchange ideas about long term records of environmental change, and to develop research capacity within the Department. In June 2019 a dendrochronology laboratory was established to enhance capacity in palaeoclimatology within the Department in collaboration with Drs. S. Maezumi

(Amsterdam) and Csank (University of Nevada, Reno) and funded by a National Geographic Grant to Drs. Maezumi and Burn. The Caribbean Environments Research Group (CERG) was established to facilitate and market interdisciplinary research on the broad theme of Environmental Change.

Work continued on various research projects in the Department including: the World Bank Project “Assessment and Economic Valuation of Coastal Protection Services Provided by Mangroves in Jamaica” and the IDB project “Sediment Budget Monitoring of the Upper Rio Minho Basin.”

Staff were involved in various workshops and meetings throughout the year. Dr Arpita Mandal attended and presented at the Caribbean Modellers Meeting, 6-8th August 2018, UWI Dept of Physics. Dr. Sherene James-Williamson was a panelist at the “Virtual Museums in the Caribbean: Experience and Opportunity” at the International Museums Conference on 9th November 2018, and a panelist at the International Museums Conference Roundtable at Cave Hill, Barbados, 9th November 2018.

Various staff members presented at the Brown Bag seminars in the Department, including: Dr. Sherene James-Williamson: “The Musings of a geologist in love with archaeology” on the 21st February 2019; Dr Thera Edwards: “A Diamond in the Rough: the Royal Holloway Aerial Photograph Collection” on 15th March 2018.

The Department had many outreach activities during the year. The Department hosted a mapathon in collaboration with the National Spatial Data Management Division (Ministry of Economic Growth and Job Creation) during GIS Day (14th November 2018) and UWI Research Days (February 7, 2019). During the UWI Research Days (6–8, February 2019) the Department had a research booth manned by students from the UWI Geological and UWI Geographical societies. The UWI Geology Museum saw approximately 600 persons this year from UWI Research Days, GIS Day and School visits.

The Rio Minho sediment project (Arpita Mandal (PI), Simon Mitchell (Research Scientists), David Miller, Donovan Blissett, Rupert Green, Brian Lynch, Melissa Curtis, Kristina Dougherty, Peta-Gay Harris, Denese Francis) received the Principal’s Award for attracting the most money (US\$214,189) at UWI Research Days in February, 2019. Miss Melisa Curtis received the Graduate Scholar Award at ESRI User Conference in San Diego from 8–12, July, 2019. Miss Shaughna-Lee Steel was selected to participate in the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES) Youth Workshop from the 27–28th June 2019 in São Pedro, Brazil.

Professor Edward (Ted) Robinson donated a Table Stereoscope and a Screenscope to the Department.



**PAPERS PRESENTED**

- Mike J. Burn and S. E. Palmer. "Harmonizing marine and terrestrial palaeoclimate archives to reconstruct hurricane activity in the Caribbean." 20th International Union for Quaternary Science (INQUA), Dublin, 25–31st July 2019.
- Mike J. Burn. "Environmental Change in the Caribbean: Insights from the Land of Wood and Water." Invite Lecture, Woods Hole Oceanographic Institution, Woods Hole, MA, USA, und August 2018.
- S. E. Palmer and Mike J. Burn. "A multi proxy analysis of extreme wave deposits in a tropical coastal lagoon in Jamaica, West Indies." 20th International Union for Quaternary Science (INQUA), Dublin, 25–31st July 2019.
- Rupert Green. "Crowdsourcing for hazard mapping: using mobile technology and crowdsourcing to capture hazard data." 2nd International Conference on Disaster Risk Reduction in the Caribbean, 24th July 2019.
- Sherene James-Williamson and Rupert Green. "Using GIS as a tool for selecting suitable sites for museums in the Caribbean for Sustainable development and Disaster Risk Reduction." International Museums Conference "Itinerant Identities: Museum Communities/Community Museums" (Organized in collaboration with EU-LAC-Museums, the University of the West Indies (UWI), and the Barbados Museum & Historical Society), 6–9th November 2018.
- S. Yoshi Maezumi. "Legacies from the Past. An Interdisciplinary Approach to Reconstruct Past Human Land Use." New Frontiers in Anthropocene Archaeology. Jena, Germany, 2019.
- M. Arienzo, S. Yoshi Maezumi, N. Chellman and J. Iriarte. "Evidence of Anthropogenic Modification of the Landscape Through Biomass Burning from an Amazon Lake Sediment Core." 20th International Union for Quaternary Science (INQUA), Dublin, 25–31st July 2019.
- S. Yoshi Maezumi, W. Gosling, C. McMichael, J. Iriarte, R. Smith, F. Mayle, M. J. Power. "Examining the Role of Natural and Anthropogenic Fire Activity on the Biogeographic Distribution of the Amazonian Rainforest Ecotone (ARE)." Invited Speaker. 20th International Union for Quaternary Science (INQUA), Dublin, 25–31st July 2019.
- Arpita Mandal. "Application of ArcGIS and its components for Hydrological Studies in Jamaica." ESRI User Conference, San Diego, 8–12th July 2019.
- ErcanÖzcan, Simon F. Mitchell, György Less, Edward Robinson, Jonathan R. Bryan, Johannes Pignatti and Ali OsmaniYücel. "A revised suprageneric classification of American orthophragminids." (Poster Presentation). European Geological Union (EGU2019), Vienna, Austria, 7–12th April 2019.

- Simon F. Mitchell. “Eocene platform and basin development on the Upper Nicaraguan Rise.” Petroleum geology of Mexico and the northern Caribbean, The Geological Society, Burlington House, London, 14–16 May 2019.

## PUBLICATIONS

### Books and Journals

- David Barker. 2018. *Caribbean Geography*, Volume 23, 76 pages.
- Sherene James-Williamson. 2018. *Caribbean Journal of Earth Science*, Volume 49, 43 pp.
- Sherene James-Williamson. 2019. *Caribbean Journal of Earth Science*, Volume 51, 6 pp. (in progress).

### Refereed Book Chapters and Journal Articles

- Z. Guido, C. Knudson, **Donovan Campbell** and J. Tomlinson. 2019. “Climate information services for adaptation: what does it mean to know the context?” *Climate and Development*, <https://tandfonline.com/doi/abs/10.1080/17565529.2019.1630352>
- J. Gregorio de Souza, M. Robinson, **S. Yoshi Maezumi**, D. Schaan, D. Urrego, F. Mayle, B. Whitney, F. Cruz, V. Novello, D. Alves, J. M. Capriles, S. Rostain, J. Apaestegui, H. Hooghiemstra, J. Hoggarth, M. Power and J. Iriarte. 2019. “Climate change and cultural resilience in late pre-Columbian Amazonia.” *Nature Ecology and Evolution*.
- M. M. Arienzo, **S. Yoshi Maezumi**, N. J. Chellman and J. Iriarte. 2019. “Pre-Columbian Fire Management Linked to Refractory Black Carbon Emissions in the Amazon.” *Fire*.
- **Simon F. Mitchell**. 2018 “The Chalk Group (Upper Cretaceous) of the Northern Province, eastern England – a review.” Proceedings of the Yorkshire Geological Society, 9 August 2018, <https://doi.org/10.1144/pygs2017-010>.
- **Simon F. Mitchell**. 2018. “Comment on Gold et al. “The biostratigraphic record of Cretaceous to Paleogene tectono-eustatic relative sea-level change in Jamaica.”” *Journal of South American Earth Sciences*, doi: 10.1016/j.jsames.2018.06.011
- E. Özcan, **Simon F. Mitchell**, G. Less, E. Robinson, J. R. Bryan, J. Pignattie and A. O. Yücel. 2019. “A revised suprageneric classification of American orthophragminids with emphasis on late Paleocene representatives from Jamaica and Alabama.” *Journal of Systematic Palaeontology*, 29 pp. DOI: 10.1080/14772019.2018.1539778
- P. W. Skelton, E. Gili, T. Steuber, R. W. Scott and **Simon F. Mitchell**. 2019.

“Rudists in the Revised Bivalvia ‘Treatise Online’.” In: M. Boughdiri, B. Bádenas, P. Selden, E. Jaillard, P. Bengtson and B. Granier (Eds.), *Paleobiodiversity and Tectono-Sedimentary Records in the Mediterranean Tethys and Related Eastern Areas. Advances in Science, Technology & Innovation (IEREK Interdisciplinary Series for Sustainable Development)*, Springer, Cham. DOI: 10.1007/978-3-030-01452-0\_6

### Technical Reports

- **Donovan Campbell**, S. Palmer and S. Lee. 2018. “Portland Bight Protected Area (PBPA) Fish Sanctuary Feasibility Assessment.” Caribbean Community Climate Change Centre & Caribbean Coastal Area Management Foundation, Kingston, Jamaica.
- **Donovan Campbell**, G. Poissonnier and S. Lee. 2018. “Creating Economic and Social Opportunities for Fishing Communities.” Deloitte – Inter-American Investment Corporation (IIC), Washington DC, USA.
- J. Eyzaguirre, **Donovan Campbell** and A.-G. Gardiner. 2018. “Toward Climate-Smart Practices across the Fish Value Chain – Knowledge-Attitudes-Practice.” Ministry of Economic Growth & Job Creation. Kingston, Jamaica.

### PUBLIC SERVICE

#### David Barker

- Editor, *Caribbean Geography*
- Convenor, CAPE Geography
- Editorial Committee *CaribXplorer Magazine*
- Editorial Board *Caribbean Quarterly*

#### Mike Burn

- Editorial Board Member for the peer-reviewed journal Scientific Reports, for Springer Nature.

#### Donovan Campbell

- IPCC Lead Author: selected to participate as a lead author for the Intergovernmental Panel on Climate Change (IPCC) for the Sixth Assessment Report (AR6)

#### Taneisha C. P. Edwards

- President, Geological Society of Jamaica

#### Sherene James-Williamson

- Editor – *Caribbean Journal of Earth Science*

- Editor, *Caribbean Museums*
- Honorary Treasurer, Jamaican Historical Society
- Immediate Past President, Museums Association of the Caribbean
- Board Member, Museums Association of the Caribbean
- Chair, Education & Training Committee, Museums Association of the Caribbean
- Committee Member. GIS Enterprise Licence Agreement Management Support & Advisory Committee, National Spatial Data Management Division
- UWI Representative for the EU-LAC Virtual Museums Project
- UWI Representative, Land Information Council of Jamaica, National Spatial Data Management Division
- UWI Representative, National Restoration Committee, Mines and Geology Division
- Committee Member, National Declarations Committee, Jamaica National Heritage Trust

#### **Arpita Mandal**

- Member of the Technical Committee of Global Water Partnership Caribbean (GWP-C)
- President, Geological Society of Jamaica

#### **Simon F. Mitchell**

- Scientific Committee, International Congress on Rudist Bivalves.
- Scientific Committee, Caribbean Geological Conference.
- Editor, *UWI Contributions to Geology*.
- Language Editor, *Carnets de Geology*.
- Chairman, Jamaican Stratigraphic Committee.

#### **Kevin Tankoo**

- AAPG Latin America & Caribbean Region Chapter undergraduate mentor and project advisor.

### **INCOME GENERATION**

- **Michael Burn** and **S. Yoshi Maezumi**, August, 2018. National Geographic Society's Committee for Research and Exploration for the Project 'Jamaica a Last Island Frontier: The Legacy of Natural and Anthropogenic Disturbance in the Caribbean.' Funded value: US\$10,000.
- **Michael Burn**, August 2018. Woods Hole Oceanographic Institution (WHOI)

Mary Sears Visitor Program Award ‘Developing a program of research and teaching with Jamaica’. Grant Number: 27002794, Funded value: US\$7,436.

- **Donovan Campbell**, December 2018–March 2019. Related Ecological and Socio-Economic Impact Assessments and Monitoring System for Dominica, St. Vincent and Jamaica. ESSA – Inter-America Development Bank. Role: Social Science Expert/Regional Coordinator:. Funded value: US\$20,000.

## **STUDENTS**

### **Undergraduate Students: Geography**

Year I	92
Year II	33
Year III	35

### **Undergraduate Students: Geology**

Year I	70
Year II	28
Year III	29

### **Postgraduate Students**

MPhil Geography	6
MPhil Geology	7
PhD Geography	6
PhD Geology	3



## DEPARTMENT OF LIFE SCIENCES

Dr. Dwight Robinson, BSc UWI, PhD – Head of Department

### WORK OF THE DEPARTMENT

**D**uring the 2018–2019 academic year the Department continued its activities towards the achievement of the strategic goals outlined in its 2017–2022 strategic plan, which is fully aligned to the University's Triple A Strategy outlined in its 2017–2022 strategic plan. Focus was placed on improving the experience of our students, increasing access of institutions and communities to the Department, adjusting programmes and research activities to respond to current needs of the society and strengthening existing partnerships with internal and external collaborators while forging partnerships with new collaborators.

### ACCESS

The Department continued its outreach activity that started in the previous academic year. This effort resulted in a 7% increase in the number of students entering the Department at Level 1 in the 2018/19 academic year when compared to the previous year.

**Research and Consultancy Services:** The Department was involved in several special projects and partnerships during the year. Memorandum of Understandings were signed between the Centre for Marine Sciences, and the National Environment and Planning Agency for the UWI-CMS/DBML to assess the current status of the Winn's Morass mangrove stand in Trelawny and its potential for rehabilitation and the Ministry of Industry, Commerce, Agriculture and Fisheries'- Fisheries Division to facilitate the completion of the 2018 Queen Conch Abundance Surveys.

The Herbarium continued to provide assistance in plant identification to the National Environment and Planning Agency, the Scientific Research Council as well as students from the University of Technology, University in Sweden and Berkley University.

**Outreach/In-reach Activities:** The Department through the Biology Students

Association (BSA), Centre for Marine Sciences – Discovery Bay Marine Laboratory and the Port Royal Marine Laboratory were active participants in International Coastal Cleanup Day on September 15, 2018. This activity was done in partnership with the JDF Coast Guard, JMMB Joan Duncan Foundation, Leo Club of Kingston, Tornadoes Swim Club and China Harbour Engineering Company (CHEC).

As part of our in-reach activities the Port Royal Marine Laboratory and the Discovery Bay Marine Laboratory hosted approximately 2500 visitors during the reporting period. The visitors consisted of Jamaican students at the primary, secondary and tertiary levels of the educational system and several students from international universities. Members of the local private and public sector were also hosted as we sought to increase awareness about environmental issues that are affecting the quality of life in Jamaica. In support of the efforts of the Forestry Department to preserve Jamaica's forests, a dendrology workshop for Foresters was hosted by the Department.

In order to increase awareness about the work of the Department, our outreach team participated in Career Rap Sessions and Environment and Science Days in some High Schools.

## **ALIGNMENT**

Work continued on the partnership between the Food and Agriculture Organization of the United Nations ("FAO") and UWI Mona for the provision of services for the promotion of alternatives to highly hazardous pesticides and strengthen pesticides management in the Caribbean.

The Department continued its partnership with the Zika AIRS Project, which started the previous year, to develop local capacity to conduct research and other activities towards the management of mosquitoes and mosquito borne diseases.

The Centre for Marine Sciences accepted an invitation to partner with the Association of Commonwealth Universities to conduct an audit of research and innovation capacity in marine plastics across universities of the Commonwealth and the United Kingdom's National Oceanography Centre on a Coastal Risk Information Service (C-RISe) project on coastal applications of satellite data in the area of coastal assessment and rehabilitation.

## **AGILITY**

Several staff members participated in national, regional and international meetings and workshops. Some of the meetings attended by our faculty included the meeting of the Crop Science Society of America, Jamaica Clearing House Mechanism, Frontier of Science, the Third WECAFC/OSPESCA/CRFM/CFMC regional meeting on the management of Queen Conch resources and the Urban Development Corporation

and National Environment and Planning Agency's Great Goat Island Stakeholder. Workshops included an IUCN Redlist Assessor Training Workshop in The Bahamas, Global Biodiversity Information Facility (GBIF) Biodiversity Information for Development (BID) Data use workshop in Suriname and Monitoring, the Modelling for Coastal Zone Management Conference and Technical Workshop in Grenada, and the Workshop on Collaborations for innovative technology solutions: a capacity building seminar for technologists and decision makers, part of the Workshop on Science, Technology and Innovations for SDGs co-organized by UN DESA, ESCAP, UNCTAD in Bangkok, Thailand. Conferences included the international conference 'Climate change: Impacts on food and nutrition security' in Trinidad and Tobago, 21st General Meeting and Conference of the Caribbean Academy of Science in Jamaica, the 10th Conference on Island Sustainability in Guam and the 71st Gulf and Caribbean Fisheries Institute conference in Colombia. The Department in partnership with the International Iguana Foundation co-hosted the 4th meeting of the Caribbean Partners in Amphibian and Reptile Conservation (PARC) in January 2019.

The Department had reason to congratulate Professor Mona Webber who was recognised as one of the UWI's 70+ Outstanding Women as part of the UWI 70th Anniversary initiative. Two staff members were recognized at the Principal's Research Award 2019; Professor Nouredine Benkeblia, most outstanding researcher and Dr. Karl Aiken for public policy.

## PUBLICATIONS

### Books, Book chapters & Monographs

- **Benkeblia, N.** (2019). *Climate Change and Crop Production: Foundations for Agroecosystem Resilience*. CRC Press, Boca Raton (FL), 191 p.
- **Webber, M., Henry, W., and T. Christian.** April 2019. *Clean Kingston Harbour: Pipe Dream or Pot of Gold?* Grace Kennedy Foundation Lecture 2019. Grace Kennedy Foundation, ISBN978-976-8041-40-1. 134 p.
- **Benkeblia, N., Schattman, R.E., Wiener, S. and Roesch-McNally, G.** (2019). Climate change and crop production: Set the stage for resilience. In: *Climate change and crop production: Foundations for agrosystem resilience*. N. Benkeblia (Ed.), CRC Press, Boca Raton (FL), pp. 1–18.
- **Benkeblia, N. and Francis, C. A.** (2019). Crop species responses and adaptation to rise in carbon dioxide and temperature. In: *Climate change and crop production: Foundations for agrosystem resilience*. N. Benkeblia (Ed.), CRC Press, Boca Raton (FL), pp. 19–34.
- **Benkeblia, N.** (2019). Wild relative species and genetic engineering: Improving crops in response to climate change. In: *Climate Changes and Crops Production:*



*From Genome to Ecosystem*. N. Benkeblia (Ed.), CRC Press, Boca Raton (FL), pp. 71–82.

- **Benkeblia, N.**, McHenry, M., Crips, J. and Roudier, P. (2019). Tropical crops and resilience to climate change. In: *Climate change and crop production: Foundations for agrosystem resilience*. N. Benkeblia (Ed.), CRC Press, Boca Raton (FL), pp. 83–04
- **Benkeblia, N.**, Radeva, D. (2019). Climate change and resilience of agroecosystems: Mitigation through agroforestry, permaculture, and perennial polycultures. In: *Climate change and crop production: Foundations for agrosystem resilience*. N. Benkeblia (Ed.), CRC Press, Boca Raton (FL), pp. 105–130.
- Fermin F, **Tennant P**, Mazumdar-Leighton S (2018) Transgenic Virus-Resistant Papaya: Current Status and Future Trends. In: B Patil (ed) *Genes, genetics and transgenics for virus resistance in plants*. Caister Academic Press. pp 141–158.
- Greenaway AG, Grizzle EL, Hollon RE, Kahwa I, Lowe L, Riley C, **Robinson RD**, Senior K, Tucker, C. & Xavier DK (2017). *Associate and Bachelor's Degrees: Standards for the Natural Sciences and Mathematics*. ©University Council of Jamaica. ISBN 978-976-8281-09-8.

#### PAPERS PRESENTED AT CONFERENCES

- **Steen, S.S.**, Mellado-Mojica, E., Lopez, M.G. and **Benkeblia, N.** 2018. Metabolomics profiling of carbohydrates reveals coordinated balance of translocated photosynthates saccharides and short-chain fructooligosaccharides to sink of onion (*Allium cepa*) during development and bulbing. Annual Meeting of the Crop Science Society of America, 4–7 November, Baltimore, MD, USA.
- **Sybron, A.**, Hossain, M.B. Vaidya, K., Rai, D.K. and **Benkeblia, N.** 2018. Metabolomic profiling reveals coordinated switches in secondary phenolics metabolism in ackee fruit (*Blighia sapida* Koenig) during opening and maturation. Annual Meeting of the Crop Science Society of America, 4–7 November, Baltimore, MD, USA.
- **Smith, T.A.**, Mellado-Mojica, E., **Vaidya, K.**, Lopez, M.G. and **Benkeblia, N.** 2018. Metabolome profiling of monosaccharides pool reveals active pentose pathway in Otaheite (*Syzygium malaccense*) fruit during ripening. Annual Meeting of the Crop Science Society of America, 4–7 November, Baltimore, MD, USA.
- **Machel Emanuel, Nadia McDonald and Dwight Robinson.** The efficacy of alternative (Biorational) insecticides in suppressing damage caused by insect pests affecting Callaloo (*Amaranth xanthosoma*) and Pak Choy (*Brassica rapa*) production in Jamaica. Climate Change: Impacts on Food and Nutrition Security, 12–16th November 2018, Port-of-Spain Trinidad.

- **Desireina D.S. Delancy, Tannice A. Hall and Eric Garraway.** An Assessment of Host-plant Preference of *Aphis gossypii* in Jamaica. The 21st General Meeting and Conference of the Caribbean Academy of Science, Mona, Kingston Jamaica, 27–30 November 2018. Oral.
- **Fradian V.N. Murray, Jane E. Cohen and L. Myers-Morgan.** Rapid Propagation of Improved Cassava Varieties Using the Multiple Shoot Removal Technique. The 21st General Meeting and Conference of the Caribbean Academy of Science, Mona, Kingston Jamaica, 27–30 November 2018. Oral.
- **Taneisha A. Barrett, Eric Garraway, Catherine Murphy, and Tannice Hall.** Duration of life cycle stages of four species of Blowflies (Diptera: Calliphoridae). The 21st General Meeting and Conference of the Caribbean Academy of Science, Mona, Kingston Jamaica, 27–30 November 2018. Oral.
- **Burton, Saskia D., Jane E. Cohen, and Fradian V. N. Murray.** 2019. Shoot morphological characteristics of six Colombian varieties of cassava (*Manihot esculenta* Crantz) grown in Jamaica. 55th Annual Meeting Caribbean Food Crops Society, July 8 to 12, 2019, Dominican Republic.
- **Dale Rankine, Jane Cohen, Michael Taylor, Tannecia Stephenson, and Andre Coy.** 2019. Towards a Methodology for Modeling Climate Impacts on Caribbean Agriculture – the Case of Jamaica. 55th Annual Meeting Caribbean Food Crops Society, July 8 to 12, 2019, Dominican Republic.
- **Rochelle S.H. Daley, Eric Garraway, and Catherine Murphy.** Morphology of Third Instar Larvae of Three Species of Flies (Family: Sarcophagidae) of Potential Forensic Importance in Jamaica. The 21st General Meeting and Conference of the Caribbean Academy of Science, Mona, Kingston Jamaica, 27–30 November 2018. Poster.
- **Ameka N. Myrie and Dwight E. Robinson.** Coffee crop phenology and infestation by the Coffee Berry Borer, *Hypothenemus hampei* (Ferrari) (Coleoptera: Curculionidae) in the High-lands and Blue Mountains of Jamaica. The 21st General Meeting and Conference of the Caribbean Academy of Science, Mona, Kingston Jamaica, 27–30 November 2018. Poster.
- **Gavin Campbell and Eric Hyslop.** The ecology of temporary tropical ponds at the University of the West Indies, Mona, Jamaica. The 2nd International Conference on Community Ecology. University of Bologna in Bologna, Italy, June 4-6, 2019. DOI: 10.13140/RG.2.2.29731.09762/1.
- **Palmer, S.E. Campbell, D., Hay, D.B., Lee, S., Lang, J.C.** Ecological and socio-economic indicators of fishing pressure on coral reefs: Portland Bight Protected Area, Jamaica. Association of Marine Laboratories of the Caribbean 39th Scientific Conference, Punta Cana, Dominican Republic. May 2019. Oral.

- **Coore, K., Palmer, S.E.** The Importance of Water Quality in the Coral Reef Health Assessment of the Port Royal Cays, Jamaica. Association of Marine Laboratories of the Caribbean 39th Scientific Conference, Punta Cana, Dominican Republic. May 2019. Oral.
- **Green, C., Small, H., Palmer, S.E.** Usage and Disposal Patterns of Visitors to the UWI Port Royal Marine Laboratory, Jamaica. Association of Marine Laboratories of the Caribbean 39th Scientific Conference, Punta Cana, Dominican Republic. May 2019. Poster.
- **Palmer, S.E., Burn, M.J. & Holmes, J.** A multi proxy analysis of extreme wave deposits in a tropical coastal lagoon in Jamaica, West Indies. 20th INQUA Congress, Dublin, Ireland. August 2019. Oral.
- **Burn, M.J. and Palmer, S.E.** Harmonizing marine and terrestrial palaeoclimate archives to reconstruct hurricane activity in the Caribbean. 20th INQUA Congress, Dublin, Ireland. August 2019. Oral.

#### **Refereed Journal Articles**

- **Commock T, PE Rose, KC Campbell, B Jestrow, J Francisco-Ortega.** Jamaica's endemic plant genera: updates in research, taxonomic knowledge, phytogeography and conservation. *Webbia* 73:2, 247–268.
- **Webber, M. & Aiken, K.** 2018. Sargassum, the problematic seaweed. *Jamaica Journal*, Vol. 37, Nos. 1–2 :98–105.
- **Rose, D. and Webber, M.** 2019. Characterization of microplastics in the surface waters of Kingston Harbour, Jamaica. *Science of the Total Environment* 664: 753–760.
- **M.A. Emanuel, P.F. Tennant, J.K. Brecht and D.J. Huber.** Effect of BreatheWay® microporous membrane on gaseous atmosphere and shelf life of ackee fruit. *Acta Hort.* 1225. ISHS 2018. DOI 10.17660/ ActaHortic. 2018.1225.23, Proc. III All Africa Horticultural Congress p173–181.
- **Sanderson, D., Voutchkov, M. and Benkeblia, N.** (2019). Bioaccumulation of cadmium in potato tuber grown on naturally high levels cadmium soils in Jamaica. *Science of the Total Environment* 649: 909–915.
- **Benkeblia, N.** 2019. Variation of reducing and total sugars starch, total phenolic contents in unripe and ripe jackfruit (*Artocarpus heterophyllus*) and West Indian locust (*Hymenaea courbaril*) fruits. *International Journal of Plant Science and Horticulture* 1: 49–55.
- **Kimberley A. Blissett, Machel Emanuel & Andrea Goldson Barnaby** (2019): Biochemical properties of tree ripened and post harvest ripened *Mangifera indica*

(cv. East Indian), *International Journal of Fruit Science*, DOI: 10.1080/15538362.2019.1596866

- **McLaren, K.**, D. Luke, P. Bellingham, E.J.V. Tanner and J. R. Healey (2019). Reconstructing the effects of hurricanes over 155 years on tropical rain forest structure and tree diversity. *Agricultural and Forest Meteorology*, 276, 107621.
- **McLaren, K.**, McIntyre, K., and **K. Prospere** (2019). Using the random forest algorithm to integrate hydroacoustic data with satellite images to improve the mapping of shallow nearshore benthic features in a marine protected area in Jamaica. *GIScience & Remote Sensing*. doi: 10.1080/15481603.2019.1613803
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- **Stephenson, K.A.**, T.S. Stephenson, and A. Centella-Artola. 2019. Advancing Climate Science and Response for Caribbean Islands. EOS Meeting Report.

### PUBLIC SERVICE

#### Dr. Karl Aiken

- Board Member & Chair of Fish Sanctuaries, Sub-committee Fisheries Advisory Board of Ministry of Agriculture & Fisheries
- Member, Aquaculture Industry Advisory Board, Ministry of Agriculture & Fisheries.
- Member, Board of Directors of the Caribbean Coastal Area Management Foundation (CCAMF)

- Member, CITES Scientific Authority of Jamaica – NEPA

**Professor Nouredine Benkeblia**

- Associate Editor, *Canadian Journal of Plant Science*
- Member of the Canadian Society of Plant Science
- Member of the Canadian Society of Agronomy
- Member of the Crop Science Society of America
- Member, Agricultural Science, University Council of Jamaica (UCJ)
- Editor/Reviewer of the International Panel on Climate Change (IPCC)
- Appointed Assessor of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (IPBES).

**Dr. Frederick Boyd**

- Liaison for Department of Life Sciences / Nature Preservation Foundation partnership
- Member, Board of Education, East Jamaica Conference of SDA
- Member, Research & Development and Seed Production Subcommittee, National Organic Agriculture Steering Committee (NOASC)
- External Examiner, Joint Board of Teacher Education (JBTE)
- Member - Standards Subcommittee, Jamaica Organic Agricultural Association (JOAM)
- Member, Accreditation Panel (Biological Sciences), University Council of Jamaica
- Member, American Society of Plant Biologists

**Dr. Jane Cohen**

- Member and Vice-chair, CITES Scientific Authority of Jamaica
- Member, Jamaica Organic Agriculture Movement
- Member, Jamaican Society for Agricultural Sciences
- Member, Natural History Society of Jamaica
- Member, Plant Conservation Group, National Environment and Planning Agency (NEPA)
- Member, Plantwise National Steering Committee, CABI & Ministry of Industry, Commerce, Agriculture & Fisheries, Jamaica
- Member, Soil Health Technical Working Group, Ministry of Industry, Commerce, Agriculture & Fisheries

**Dr. Machel Emanuel**

- Member, International Society for Horticultural Sciences
- Member, American Society for Horticultural Sciences
- Member, International Technical Committee for development of standards for cannabis in Jamaica

**Mrs. Marcia Ford**

- Chairperson, National Biodiversity Clearing House Mechanism Steering Committee
- Member, The Jamaica Statistical Society
- Member, Global Coral Reef Monitoring Network – Caribbean Steering Committee
- Member, International Society for Reef Studies Member
- Member, Caribbean Academy of Sciences
- Member, Technical Advisory Committee for Component 3 of the Pilot Program for Climate Resilience
- Council Member, Jamaica Institute of Environmental Professionals (JIEP)
- Reviewer, *The International Journal of Tropical Biology and Conservation* (Revista de Biología Tropical).

**Mr. Peter Gayle**

- Chairman, Association of Marine Laboratories of the Caribbean (AMLC) Planning Subcommittee
- Member, Diving sub-group of the working group on Fisheries Management and related matters of the National Council on Oceans and Coastal Zone Management
- Member, Jamaica Institute of Environmental Professionals (JIEP)
- Member, National Fish Sanctuaries Network
- Reviewer, Revista de Biología Tropical & Wildlife Biology in Practice

**Dr. Eric Garraway**

- Advisor, Vincentian Students Association
- Member, Advisory Board, National History Division, Institute of Jamaica
- Member, Association of Tropical Lepidoptera
- Member, Natural History Society of Jamaica
- Member, Jamaican Iguana Working Group, NEPA

**Dr. Tannice Hall**

- Member, Natural History Society of Jamaica

**Dr. Eric Hyslop**

- Jamaica Clearing-House Mechanism Steering Committee, Institute of Jamaica
- Member, CSEC Subject panel in Biology
- Member, NEPA Endangered Animals Recovery working group
- Member, Jamaican Iguana Working Group, NEPA.

**Dr. Kurt McLaren**

- Member, National Invasive Species Working Group, NEPA

**Dr. Suzanne Palmer**

- Member, Association of Marine Laboratories of the Caribbean (AMLC)
- Member, International Society for Reef Studies (ISRS)
- Board Member, Association of Marine Laboratories in the Caribbean.

**Dr. Dwight Robinson**

- Director, Caribbean Academy of Sciences, Jamaica Chapter
- Director, College of Agriculture Science and Education
- Deputy Chair, Protection of Plant Genetic Resources for Food and Agriculture Management Authority
- Chair, Pesticides Control Authority Pesticides Review Committee
- External Assessor for the Registration of Pesticides by the Pesticides Control Authority.

**Professor Ralph Robinson**

- Board of Directors, Jamaica Agricultural Development Foundation
- Scientific Member, The National Bioethics Committee of Jamaica
- Member, Bioethics Society of the English-Speaking Caribbean
- Member, Standards Advisory Committee, The University Council of Jamaica.
- Justice of the Peace, St. Andrew, Jamaica
- Member, Justices of the Peace and Lay-Magistrates' Association of St Andrew, Jamaica
- Member, American Society of Parasitologists
- Member, Training Advisory Committee for UWI/The University at Buffalo's D43 application (Global Infectious Diseases Research Training Program) to the Fogarty International Center, National Institutes of Health, USA.

**Dr. Philip Rose**

- Member, National Invasive Species Working Group, NEPA
- Member, American Society of Plant Taxonomists (ASPT)
- Member, Jamaica Institute of Environmental Professionals (JIEP)
- Member of the Scientific Authority (NEPA/MEGJC).

**Dr. Kimberly Stephenson**

- Member, Jamaican Iguana Recovery Group
- Member, Ja REEACH II Project Advisory Committee
- Member, State of the Environment (SOE) 2017 Report Project Steering Committee Meeting, NEPA
- Co-editor, Special Issue of Caribbean Quarterly on 'Climate Change and Education for Sustainable Development' 2018.

**Professor Paula Tennant**

- Member, American Phytopathological Society
- Member, Caribbean Academy of Sciences, Jamaica Chapter
- Member, Jamaica Society of Scientists and Technologists.

**Mr. Camilo Trench**

- Coordinator/Member, Alloa Fisherman's Cooperative: Discovery Bay Special Fisheries Conservation Area Steering Committee
- Member, National Fish Sanctuaries Network
- UWI's representative- National Marine Parks Advisory Board.

**Professor Mona Webber**

- Member, National Council on Ocean and Coastal Zone Management (NCOCZM)
- Chair, Diving Sub-Group, NCOCZM
- Member of the Board, Association of Marine Laboratories of the Caribbean
- Member, CITES, NEPA-Scientific Authority of Jamaica
- Member, NEPA Technical Review Committee (TRC)
- Member, Jamaica Conservation Partners (C.B. Facey Foundation)
- Member, Science and Technology Advisory Committee of the Jamaica National Commission for UNESCO
- Associate, Sustainable Adaptive Gradients for Coastal Environments (SAGE).



**Professor Byron Wilson**

- Member, IUCN SSC Amphibian Specialist Group
- Member, IUCN SSC Boa and Python Specialist Group
- Member, IUCN SSC Iguana Specialist Group
- Associate Editor: *Caribbean Naturalist*.



## DEPARTMENT OF MATHEMATICS

**Dr. Nagarani Ponakala, M.Sc, M.Phil & Ph.D (India) – Head of Department**

### WORK OF THE DEPARTMENT

#### Staff Updates

**D**r. Mahesha Narayana joined the Department as a senior lecturer effective February 2019. Two administrative staff members, Mrs. Greta Everett – Senior Secretary and Ms Cassandra Brown Administrative Assistant were retired and Mrs. Kiwana Johnson-Robinson, Clerical Assistant had resigned effective November 2018. With the continuous recruitment process, the Senior Secretary position was filled effective June 2019 by Mrs. Marsha Jack and the other two are temporarily occupied by Ms. Tashika Roach and Ms. Kathlene Gardner, respectively.

#### Mathematics Bridging Programme

The Mathematics Bridging Programme has been a feature of the Mathematics Department since 2009. Over the past few years this programme (runs for 12 weeks in Semester I) has been coordinated by Mr Ajani Ausaru with support of highly qualified tutors, sets out to prepare students for the rigors of university level mathematics by reinforcing their basic mathematical skills. For the academic year 2018–19, a decline was seen, however, the participating students appreciated the classes and showed keen interest.

#### Annual Career fair

Our 6th Annual Career Fair was held on November 16, 2018, in the Assembly Hall. The Department of Mathematics Annual Career Fair is aimed at facilitating the engagement of the corporate sector in a mutually beneficial interaction with our students. The companies that were in attendance were: Victoria Mutual Building Society (VMBS), Bank of Nova Scotia (BNS), Sagikor Life Jamaica Limited (SLJ), Financial Services Commission (FSC), International Organization for Migration Kingston (IOM), Digicel Jamaica (DJ), Kryss Global (KG), Duggan Consulting

Limited (DCL), Bank of Jamaica (BOJ). Fifty-one (51) advanced students registered, however, only thirty-one (31) were in attendance. Mrs. Sharon Redwood, Career Banker, Scotia Bank Jamaica, was invited to give a talk to students entitled “Interview Dress for Success”, a week prior to the fair, which was well received.

### **Industry Advisory Board**

The Department held its first Industry Advisory Board meeting for this academic year on Friday, April 5, 2019 chaired by Mr. W. St. Elmo Whyte. It was well supported by Mathematics Faculty members, and included a Student Faculty Representative – Ms. Jo-Gianna Hall, the Dean of the Faculty – Professor Michael Taylor, as well as the Head of the Department of Economics – Dr. Nadine McCloud-Rose. Members from the Industry included: Ms. Camille Witter – Sagicor Bank; Mr. Dave Spiler – Concord Advice; Messrs. Geoffery Romans & Layne Aikinson – Total Rewards & Evaluations, Scotia Bank; Ms. Dayna Bishop – Grace Kennedy; Mr. Kirk Brown – Heart Trust and Ms. Angela Beckford – Financial Services. Dr. McCloud-Rose, in her final comments commended the Department for the excellent initiative taken.

### **Outreach Activities**

The Department of Mathematics has been active in organizing several outreach and internal activities throughout the year. The department organized a special orientation for Mathematics students in the second week of teaching. Mrs. Orinthia Fisher-Howe participated in an Information Session at Campion College, October 9, 2018, in which students were informed of the various programmes offered by the department. The Department participated in a faculty initiative to host sixth formers in workshops led by Mr. Omar Forrest, from which 5 schools participated. Our annual CAPE Workshop was held on January 11th and 17th 2019. Dr. Kirk Morgan led Mathematics clinic on January 25, 2018, at the Mona Western Jamaica Campus for high school students. The University’s Research Day Activities were led by Drs. Morgan and Behera February 6–8, 2019 with support from our undergraduate students.

The Mathematics Olympiad organised by the department had a successful run this year, and Dr. Raymond McEachin has been the coordinator of the programme since 2008. The participation by both the High and Junior schools increased this year. The competition had 4 rounds for both Junior and High School, including the qualifying round. The participated number of schools and the students were:

Round	Date	# Students	# Schools
Qualifying	November 30, 2018	1,736	49
First	March 9, 2019	727	45
Semifinal	March 20, 2019	419	42
Final	May 4, 2019	126	26

The Mathematics Olympiad Award Ceremony was held on Wednesday, June 12, 2019, in the Assembly Hall, UWI, where over 50 students from both High and Primary Schools from across the island were recognized. Four of the top students in the Mathematics Olympiad High School Competition were chosen to represent Jamaica at the International competition held in The Dominican Republic, June 14–22, 2019 from which two of the students won Honorable Mentions for producing perfect solutions to one of the six examination questions. This programme was supported by various sponsors such as The Office of the Principal, the Dean's Office, FST, The Caribbean Actuarial Association, The Grace Kennedy Foundation (through Professor Mona Webber), Insurance Association of Jamaica, Mr. Willard Brown, Actman International, Advanced Integrated Systems, Ms. Tamrah Brown, plus two others.

### Summer Internship Programme

The Department of Mathematics has a formal Summer Internship Programme which was piloted in the 2011/12 academic year. The programme placed suitable students with qualified employers in various institutions. 25 students were in attendance at the orientation exercise held May 20, 2019, where Ms. Monique French, (CFASJ representative) was the guest speaker. The department received 31 applications from which 21 students were placed. Companies who facilitated the students are: Financial Services Commission (FSC) (5); Port Authority (4); Grace Kennedy (4); Sagicor (2); Scotia Bank (1); Business Intelligence Holdings (BIH) (3); UWI MITS (2).

### Visitors

In keeping with the University's mandate for quality assurance, the department brought in the appointed External Examiner - Professor G. Serojamma to the island on October 9–15 to review several courses.

## PAPERS PRESENTED

### Invited Talks

- **Alexandra Rodkina** – “*Preserving Positivity in Solution of Stochastic Delay Difference Equations*”, Invited lecture at the International conference: Mathematics and Art, Aplimat 2019, BratiSLAVA in collaboration with DIBLÍK Josef and ŠMARDÁ Zdeněk, Feb 5–7, 2019.
- **Alexandra Rodkina** – “*Stability shaped by noise in difference equations*”, Department of Mathematics, Masaryk University Brno, February 25, 2019.
- **Alexandra Rodkina** – “*Stability shaped by noise in difference equations*”, Institute for Stochastics, Johannes Kepler University Linz, Austria, March 5, 2019.

- **Alexandra Rodkina**, “*Stability shaped by noise in difference equations*”, Johannes Kepler University, Linz, Austria, March 6, 2019
- **Alexandra Rodkina**, “*How the noise shapes the world*”, Department of Mathematics, Technical University Brno, March 15, 2019
- **Nagarani Ponakala**, “*Mathematical Modelling in Physiological Fluid Dynamics*” at the Faculty of Science and Technology, The University of the West Indies, St. Augustine, Trinidad, West Indies, September 19, 2019
- **Nagarani Ponakala**, “*Effect of wall movement on unsteady convective diffusion in Casson fluid flow in an annulus*” International Conference on Applications of Fluid Dynamics, December 13–15, 2018, Vellore Institute of Technology (VIT), Vellore, Tamilnadu, India
- **Nagarani Ponakala**: “*Peristaltic Transport of an Ellis Fluid in an Inclined Channel*”, International Symposium of Mathematical Modelling of nanofluid flows, VIT Amaravati, Andhra Pradesh, India, December 17, 2018
- **Nagarani Ponakala**: “*Dispersion of a solute in Casson fluid flow under the influence of external body acceleration*”, 63rd Congress of Indian Society of Theoretical and Applied Mechanics (ISTAM) at Dayanand Sagar University, Bangalore, India during 20–23, December, 2018
- **Nagarani Ponakala**, “*Mathematical Modelling in Physiological Fluid Dynamics*”, Department of Mathematics, Indian Institute of Technology (IIT), Khargapur from January 3–7, 2019.

## CONFERENCE PRESENTATIONS

- Andre Small , M. Narahari and **Nagarani Ponakala** – “*Peristaltic Transport of an Ellis Fluid in an Inclined Channel*” The Caribbean Academy of Sciences, November 27–30, 2018.
- **Diptiranjana Behera** – “*Response Analysis of Fuzzy Fractionally Damped Mechanical Spring-Mass*” The Caribbean Academy of Sciences, November 27–30, 2018
- **Ajani Ausaru** and **Nagarani Ponakala** – “*Dispersion of a Solute in Casson Fluid Flow under the Influence of External Body Acceleration*” The Caribbean Academy of Sciences, November 27–30, 2018.
- **Kirk Morgan** attended a conference entitled “An Introductory Workshop: Hamiltonian systems, from topology to applications through analysis”, August 20–24, 2018, Mathematical Sciences Research Institute, Berkeley, California
- **Ajani Ausaru** attended 63rd Congress of The Indian Society of Theoretical and Applied Mechanics in Bangalore, India, December 20–23, 2018.

### Department Seminars

- **Diptiranjana Behera** – “*Uncertainty analysis of imprecisely defined structures using fuzzy and interval based approach*” October 2018
- **G. Sarojamma** – “*Mathematical Modelling of Heat Transfer in a Jeffrey Nanofluid*”, October 12, 2018
- **Nordia Thomas** – Title of the Talk: “*Benchmark Rigging in Wholesale Capital Markets*” 15 March 15, 2019.

### Public Lecture

- **H. Hines, N. Thomas, B. Hay, N. Asnani, FST** – Science for Today, “Risk is Opportunity”, April 25, 2019.

## PUBLICATIONS

### Journal Papers

- E. Braverman and **A. Rodkina**, Stochastic control stabilizing unstable or chaotic maps, published on-line in *Journal of Difference Equations and Applications*, December 2018. DOI: 10.1080/10236198.2018.1561882
- Binil Thomas Sebastian and **P. Nagarani**, Convection-diffusion in unsteady non-Newtonian fluid flow in an annulus with wall absorption, *Korea-Australia Rheology Journal*, November 2018, Volume 30, Issue 4, pp 261–271.

### Book chapters

- Baccas R., Kelly C., **Rodkina A.** (2019) On Cubic Difference Equations with Variable Coefficients and Fading Stochastic Perturbations. In: Elaydi S., Pötzsche C., Sasu A. (eds) *Difference Equations, Discrete Dynamical Systems and Applications*. ICDEA 2017. *Springer Proceedings in Mathematics & Statistics*, vol 287. Springer, Cham. Pp. 171–197. DOI: 10.1007/978-3-030-20016-9-6

### Conference proceedings

- **DIBLÍK Josef (CZ), RODKINA, Alexandra (CZ), (JAM), ŠMARDÁ Zdeněk (CZ)** Preserving positivity in solution of stochastic delay difference equations. Proceedings of APLIMAT 2019, Slovak University of Technology, Bratislava, February 2019, Pg. 233–242.

**INCOME GENERATION**

**Summer School**

The department offered 25 courses for summer 2018/19, many of which were mainly 3rd year courses that offered as exams only to facilitate students who were expected to graduate at the end of the school year. This year the earnings were marginal.

**PUBLIC SERVICE**

**Nagarani Ponakala**

- Served as an external examiner for a Ph.D thesis from St. Augustine Campus, Trinidad.
- Member of organizing committee of 21st general meeting and conference of Caribbean academy of Sciences, November 27–30, 2018.
- Reviewed articles for the journals: *International Journal of Computer Mathematics*, *International Journal of Applied and Computational Mathematics*.

**Diptiranjana Behera**

- Reviewed research papers for the journals; *Complex and Intelligent Systems Journal* (Springer), *International Journal of Fuzzy Systems* (IJFS) (Springer)
- Program committee member of 2019 International Conference on Quality, Reliability, Risk Maintenance, and Safety Engineering (QR2MSE 2019), August 6–9, 2019, Zhangjiajie, Hunan, China.
- Member of organizing committee of 21st general meeting and conference of Caribbean academy of Sciences, November 27–30, 2018.

**STUDENTS**

The department has graduated an average of 71 B.Sc. students per year with a Major or Minor in Mathematics; Majors in Mathematics and Economics, Actuarial Science, Mathematics with Education Studies, Mathematics & Modelling Processes, along with our two new Majors: Statistical Science, and Mathematics of Finance.

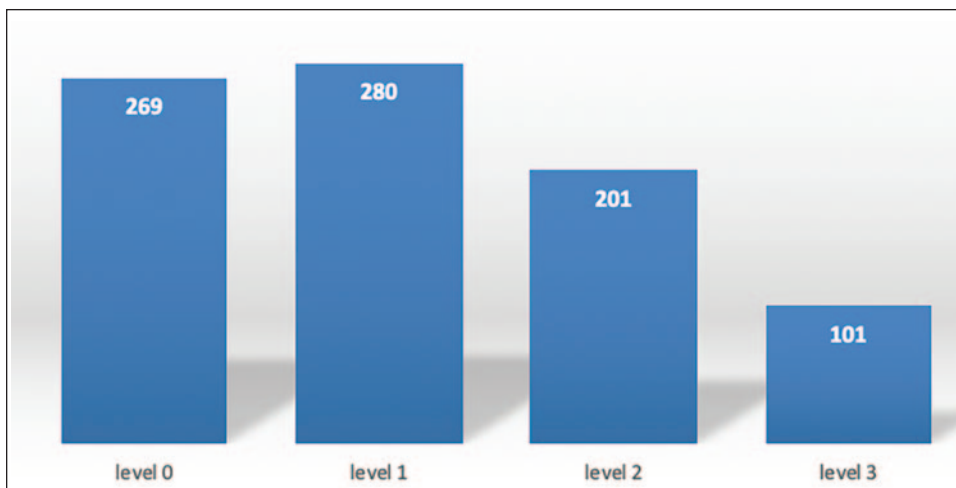
For the past five years, a total of 375 students graduated from the department. This is broken down as follows:

2014	2015	2016	2017	2018
74	69	86	60	86

In November 2018, a total of 86 students graduated of which 10 received First Class Honours.

## Registration

For the year 2018/19 a total of 801 students registered for courses in the department. Within the Faculty there is a significant demand for level I Math courses as they are core courses for most, if not all, degree programmes. Registration based on Levels as shown in Figure 1 below:



**Figure 1:** Students Registration

## AWARDS AND RECOGNITIONS

- **Akeem Campbell, BSc. Actuarial Science** – *“The new Jamaica Flour Mills Foundation Scholarship – October 2018.*
- **Chevano Baker, BSc. Actuarial Science** – *“Jamaica Rhodes Scholar 2019” – Nov 2018.*
- **Kemari Ewen (Actuarial Student)** won the Songs of the UK in Jamaica competition in February of this year.
- Past Actuarial student **Nikhil Asnani, FSA FRM**, who is presently at Guardian Life Limited as Assistant Vice President (Actuarial) was the keynote speaker at the *Annual Faculty Awards Ceremony.*
- Recipients of the undergraduate Department awards for 2018–19, that were recognized at the Faculty award ceremony on 26th March 2019 are:  
 BASS, Xavier-Jon Mario Dyllon – Merville Campbell Prize (Level I)  
 HARRIS, Aston Emanuel – Department of Mathematics Prize (Level I)  
 KENNEDY, Morgan Brittany – Merville Campbell Prize (Level II)



NOTICE, Danielle Abigail – Henry-Aub Prize

POWELL, Kareem Maleke – Henry-Aub Prize

PRENDERGAST, Avaughn Dario – Merville Campbell Prize (Level II)

- Recipient of the MSc Bursary for outstanding academic work for 2018/19 academic year was Konor Peters.

### **Scholarships**

Two scholarships were established in 2018-19 for Actuarial students entitled “*JN Life Scholarship*”. These awards will be offered to two Actuarial Science students for 2019/2020. Additionally, a past student of the department Mr. Andrew Long has contributed a scholarship in his name entitled the “*Long Scholarship*” valued at US\$2,000 as well. Mr. Howard Hines, Director of Actuarial Science, was instrumental in both.

### **Club Activities**

The UWI Actuarial Society Club held their annual Dinner and Awards Ceremony on the 30th March 2019. There were presentations of awards for several categories such as, Top Year 1 performers, Top Year 2 performers, Top Year 3 performers, First Class Honours, Actuarial Exam Passes, Caribbean Actuarial Scholarships, club Involvement Awards, Active First Year Members, Mentors of the Year, Members of the Year.

### **Final year students meeting**

On April 17, 2019, the Department hosted a “*Final Year Students*” meeting where they were briefed on the requirements to matriculate for graduation. They also heard from Mr. Chevano Baker (2019 Rhode Scholar and former Actuarial Science student) who presented a talk entitled “*What to expect after Graduation*”. They were given opportunities to pose questions/comments that were relevant to improve the service given by the Department. The feedback received was positive.

## **GRADUATE PROGRAMMES**

### **MSc Enterprise Risk Management (ERM)**

The ERM Programme in collaboration with Mona School of Business & Management now has 9 registered students for (cohort 8) and has seen a little more for the previous years. The programme is now running smoother, as expected.

**MSc Mathematics**

As this programme is offered alternate years, a new cohort of 5 students was admitted. This year 1 student is expected to graduate with Distinction.

*MPhil and PhD*

For the academic year 2017/18, 7 students registered for the MPhil and PhD programmes as follows:

MPhil	6
PhD	1

During this year, three students Omar Forrest, Ricardo Baccas and Dominic Mills-Howell submitted their MPhil theses for examination.

**M.Phil Seminars**

- **Ricardo Baccas**, On cubic difference equations with variable coefficients and fading stochastic perturbations, September 28, 2018.
- **Omar Forrest**, Applications of the Lagrangian Method to Heun and Confluent Heun Equations, September 7, 2018.
- **Andre Small** – “Peristaltic Transport of an Ellis Fluid in an Inclined Channel” November 23, 2018.

**Conference Participation**

- Davide Batic, **Omar A. Forrest** and Marek Nowakowskic – “*Applications of the Lagrangian Method to Heun Function*” The Caribbean Academy of Sciences, November 27–30, 2018.

# DEPARTMENT OF PHYSICS

Dr. Tannecia Stephenson, BSc, PhD UWI, – Head of Department



## OVERVIEW

The 2018–2019 academic year was characterized with the development of new programmes and giving attention to upgrading some of the infrastructure within the Department. Five new programmes were approved along with two new courses. Emphasis was also placed on increasing the publication output of the Department and forging new partnerships with external institutions to advance their mandates as well as to facilitate integration of students in their operations.

## UNDERGRADUATE CURRICULUM AND STUDENT EXPERIENCE

New Bachelor of Science Degrees in Biomedical Instrumentation; Climate Science and Electronic Systems and Electronics and Alternative Energy Systems were approved by the Board for Undergraduate Studies for commencement of offer in 2019–2020. Speech and Language Technology (COMP3350/ELET3211) and Speech Processing (COMP2350/ELET2210) were approved by the Academic Quality Assurance Committee. ELET2210 will be on offer in Semester 2, 2019–2020. An undergraduate Minor in Renewable Energy Management and the Postgraduate Diploma in Renewable Energy Management were also approved for commencement in 2019–2020.

Approximately 30 students completed the requirements for majors/minors in the Department. Five students will graduate with First Class Honours. The Physics Honours Society (PHS) continues to acknowledge the exceptional performance of outstanding undergraduate students. Forty-five students across Levels 1–3 were recognized. The second of two PHS events was held at the Digicel Head Office.

## UNDERGRADUATE STUDENT AWARDS

Approximately 13 students were recipients of scholarships and bursaries.

## STAFF

Dr. Andre Coy went on sabbatical for the 2018–2019 academic year. Dr. Masaō Ashine resigned his position as Lecturer in Renewable Energy at the end of the academic year. Miss Natalie McLean was seconded to the Faculty Office for Semester 2 2018–2019. Miss Sherica Hall assumed her responsibilities as Instrument Technologist. Mr. Phillip Logan resigned his position as the Laboratory Technologist for the Virtual Lab. Mr Kriston Kong was appointed to assume these duties for Semester 2 2018–2019.

Dr. Michael Neville McMorris, former Head of Department and former Dean of the Faculty of Science and Technology passed away on Friday, October 13, 2018.

## RESEARCH AND GRADUATE ACTIVITIES

There are five (5) active Research Groups that continue to attract research grants and consultancies and to publish in their respective disciplines. Research areas include Statistical and Dynamic Downscaling of Climate Data, Evaluation of Renewable Energy Technologies and Modelling Renewable Energy Resources, Examination of the effect of wireless devices used on human health in realistic environments, Compact Stars in General Relativity and Astrophysics. BioGlass, Novel Application of Optics, Human Speech Recognition, the Detection of Trace Elements in BioSamples and Characterization of Materials post a fire event and Satellite Prototype Development.

Graduate Enrolment was 39 postgraduate research students and 28 M.Sc. students (9 students in Renewable Energy Management; 19 students in Medical Physics). Graduate students participate in local and international workshops, conferences and overseas exchanges. There were 5 graduates for the Master of Science in Medical Physics.

The Department produced twenty (20) publications. Nine of the publications were co-authored by postgraduate research students.

## RESEARCH AND GRADUATE AWARDS

Recipients of Research Days Awards on February 8, 2019 are noted on page 342 below:

The Office of Graduate Studies and Research hosted an Awards Ceremony recognizing Graduate Research Excellence on June 4, 2019. Mr. Jayaka Campbell was recognized for his role as co-author in a publication that attracted one of the Research Days Best Publication Awards. Other Graduate Scholars who were recognized were: Candice Charlton, Delando Grant, Deron Maitland, Da-Vaugh Sanderson and Theodore Wynter.

### Recipients of Research Days Awards

Best Research Publication:	Dr. Leonardo Clarke, Professor Michael Taylor, Dr. Tannecia Stephenson and Mr. Jayaka Campbell	Article: “Future Caribbean Climate in a World of Rising Temperatures: The 1.5 vs. 2.0 Dilemma”
Most Outstanding Researcher:	Dr. Marhoun Ferhat	Five publications
Research Project with the Greatest Business/Economic/ Development Impact	Climate Studies Group Mona	Caribbean 1.5 Project
Research Project with the greatest Multidisciplinary/Cross Faculty Collaboration	Dr. Marhoun Ferhat	Other Departments/Centres represented on the team were Chemistry, Basic Medical Sciences and Biotechnology Centre.

### TRAINING AND INTERNSHIPS

Three students successfully completed the Physics in Practice Internship (PHYS3400). Miss Kaycilee Wright and Mr. Jhamali Vassell were among the 10 Jamaican students participating in the 2-week Huawei Internship Programme hosted in China October 2018. Miss Sharmoy Findley and Mr. Vijay Gregory participated in a 2 week course of study offered by Sophia University in Japan in January 2019. Mr. Matthew Williams, Final year Energy and Environmental Student worked as an intern in the Meteorological Service in Trinidad and Tobago as part of the Caribbean Catastrophe Risk Insurance Facility (CCRIF) Internship Programme. The Climate Studies Group Mona hosted Miss Abigail Jones, an intern in the CCRIF Internship Programme for 8 weeks.

Two undergraduate students participated in the Photovoltaic Associate Training & System Inspectors Course (NABCEP Training) hosted by Green Solutions International in partnership with the Department of Physics and the Faculty of Engineering held December 10–14, 2018.

### Partnerships

A Memorandum of Understanding (MOU) was signed between the University of the West Indies through its Energy Management Unit/Faculty of Engineering and the Alternative Energy Research Group and the Bureau of Standards Jamaica on June 20, 2019. The Spectrum Management Authority commenced a partnership with the Physics Department for the development of a wireless device/EMC test lab at The

UWI. A Team from SMA visited The UWI Mona Campus on May 9, 2019 to view the space for setting up the lab.

### **Academic Visits**

Dr. Tanya Kerr participated in a training and research visit to the University of Waterloo, Ontario, Canada to do modelling of Compartment fire dynamics in 2018. Dr. Louis-Ray Harris attended a January 2019 training workshop at the International Centre for Theoretical Physics (ICTP), Trieste, Italy on Rapid Prototyping of Internet of Things (IoT) Solutions for Science. Dr. Paulette Bynoe, former Dean of the Faculty of Earth and Environmental Sciences at the University of Guyana was hosted in the Department of Physics on a 6-month consultancy under the Pilot Programme for Climate Resilience (PPCR). Mr. Cicero Lallo, a retired Senior Lecturer at The University of the West Indies St. Augustine Campus was hosted in the Department of Physics on a 6-month consultancy under the PPCR. Professor Kezia Page from Colgate University along with her students were hosted in the Department of Physics for Semester 2, 2018–2019.

Mr. Karlus Redway, a postgraduate student was the recipient of a UWI Postgraduate Research Grant to enable his visit to the Khalifa University of Science, Technology and Research in Abu Dhabi in January 2019. Mr. Dawin Morna, postgraduate student in Materials Science visited the Columbia University on a 6-week research exchange from July 2019. His research objective was to use existing techniques to mechanically exfoliate and characterize monolayer transition metal dichalcogenides, so that we can stack them and twist them to study interlayer charge transfer excitons as a function of twist angle.

### **Marketing and Outreach**

CAPE Workshops were held January 7–11, 2019 (Kingston) and January 15–16, 2019 (Montego Bay). Seven Hundred and Ninety-Five students participated. Three follow-up CAPE Physics Sessions were hosted on February 15, March 16 and April 13, 2019. Sessions were facilitated by the Alumni of the Department and supported by Postgraduate Students.

Dr. Michael Ponnambalam, a former lecturer in Physics hosted a Fifth Form Physics Workshop from January 31–March 1, 2019. The aim was to give Fifth Form students an opportunity to discover, experience and enjoy the beauty and fun in the subject of Physics, through the use of lively and interactive demonstrations, computer simulations and experiments, all related to their syllabus. Over 150 CSEC students were engaged in this exercise. Dr. Ponnambalam was supported by member of staff and postgraduate and undergraduate students in Physics.

Mr. Leaford Henderson through the Astronomical Association of Jamaica organized a local version of the International Night of Astronomy, “Yuri’s Night”. The event commemorates the first human spaceflight in 1961 and is celebrated annually worldwide on April 12. The Jamaican event was open to the general public and saw twenty (20) attendees participating in discussion of topics related to space and astronomy, interspersed with documentaries and “stargazing” through telescopes in the Department.

### **Public Forums**

The Alternative Energy Research Group (AERG) hosted a renewable energy forum entitled *100% Clean: The Why and How of Jamaica’s Transition from Imported Fossil Fuels to Natural Resources* on September 6, 2018. The Mona Fire Research Environment together with the Jamaica Fire Brigade hosted a Science for Today Public Lecture on *A Burning Issue: Jamaica’s Fire Building Code and You* on October 25, 2019. The AERG hosted a panel discussion on *The Built Environment and Energy Efficiency* on February 28, 2019.

### **WORKSHOPS AND CONFERENCES HOSTED**

The Climate Studies Group Mona (CSGM) hosted a Validation Workshop on March 6-7 2019 in the Department of Physics in relation to the State of the Caribbean Climate 2017: Information for Resilience Building Document that is being compiled. The Document addresses the state of knowledge on Caribbean climate variability and change and their impacts on different sectors. A second validation workshop was hosted by the CSGM in St. Lucia May 2–3, 2019. SOCC activities are funded by the Caribbean Development Bank. A Caribbean Climate Modelling Consortium Meeting was held in the Department of Physics August 7-8, 2019 under the Inter-American Bank Pilot Programme for Climate Resilience (PPCR). The 15th International Conference on Intelligent Tutoring Systems was hosted in the Faculty of Science and Technology June 3–7, 2019. Dr. Andre Coy was a member of the Planning Committee.

### **INFRASTRUCTURE UPGRADE**

The level 1 Physics Lab was renovated with the laying of new tiles, installation of electricals and painting. The Tutorial Room 2 (Glass House) was renovated with installation of new solid glass frames, refurbishing of furniture and painting of room. The board frame on the ceiling along the corridor was removed and the ceiling was painted and new LED lights installed. The railing in front of the Glass House was polished and the grills were painted.

## **PRE-LABOUR DAY PROJECT**

The Department undertook a Pre-Labour Day Project on May 17, 2019 which included the addition of plants to the Physics Quadrangle and paving of the walkway through the Quadrangle.

## **AWARDS**

Yekini Wallen-Bryan was featured prominently in the National Innovation Awards 2018 and was awarded for his concept “WatchDawg” – a device to help farmers combat praedial larceny whilst also providing an affordable security alternative to the everyday consumer. Additionally on November 2, 2018 at the Climate Innovation Summit Mr. Wallen-Bryan and his company, PreeLabs Limited, were invited to pitch WatchDawg in a competition with 5 other entrepreneurs from across the Caribbean. Mr. Wallen-Bryan placed 2nd and received grant funding courtesy of the World Bank, Government of Canada and the CCIC to accelerate the development of the project and get it to market.

The Organization of American States (OAS) in partnership with the Inter-American Committee against Terrorism (CICTE) staged the Diplohack Student Challenge 2019. The Jamaican team who placed second comprised five (5) UWI students including two from FST – Toni-Ann Willis (Computer Science) and Gisellé Hall (Physics major and Geology minor student). Other members of the team were Sayeed Bernard (Law), Chavel Ford (Social Sciences), and Kyle Glegg (Medicine) as well as the team’s mentor Dr. Lisa Vasciannie (Government).

The Robotics Team placed third in the Open Competition of the annual IEEE SoutheastCon 2019 Student Hardware Competition held in Huntsville, Alabama in the United States April 11–14, 2019. In addition to Yekini Wallen-Bryan, coach and student advisor, the team comprised Brandon Campbell; software team member, Jhamali Vassell; hardware captain, Shane Smith and vice-captain, Jourdan Dunkley; and hardware team members: Galen Hare, Justine Shaw, Jordon Hayles and Danelle Julal.

## **RECOGNITION AND AWARDS**

Mrs. Rosalene Simmonds was the recipient of a Distinguished Worker Award (MONATS) for Excellence in the performance of Administrative Duties at the Faculty of Science and Technology Awards Ceremony.

Dr. Phylicia Ricketts was awarded the 2018 Prime Minister’s Youth Award for Excellence in the category of Innovation Science and Technology on Sunday November 25, 2018. Dr. Ricketts was awarded for her outstanding work in Medical Physics.



Professor Michael Taylor was named a Fellow of the Caribbean Academy of Science Thursday, November 29, 2018 in recognition of his remarkable work in Climate Science.

## DEPARTMENTAL STATISTICS

### Total Undergraduate Students Registration

	Semester 1		Semester 2	
	2018-2019	2017-2018	2018-2019	2017-2018
Preliminary	84	77	79	56
Introductory Physics	132	146	91	102
Year 2	177	106	183	94
Year 3	61	57	86	72
<b>Totals</b>	<b>454</b>	<b>386</b>	<b>439</b>	<b>324</b>

### Prizes Awarded

Recipients of undergraduate departmental awards for 2018–2019 are:

- Dayna-Leigh Plummer – The Professor John Lodenquai Prize for Introductory to Physics
- Vijay Gregory & Rickardo Anderson. – Level II Physics Bursaries
- Jarvis Hayman – Michael Tharmanathan Physics Bursary

## SIGNIFICANT FUNDING

Dr. Phylcia Ricketts participated in the United States Embassy Women's History Month Grant Pitch competition held on March 27, 2019. A pitch on behalf of a non-governmental organization called ACLaS (A Classy Lady of Science). This initiative is geared towards empowering young girls to pursue STEM-related fields. Dr. Ricketts received \$1000 USD for project start up.

Mr. Leaford Henderson, Postgraduate Student participated in the Democratizing Innovation in the Americas (DIA) Labs Innovation Retreat and Pitch Competition on April 6–8, 2019. The project proposal for a low cost, user friendly soil quality testing system, was awarded fourth place in the competition, along with \$100,000 JMD start-up capital.

## PUBLICATIONS

## Refereed Journal Articles

- **W. Marlтан, P. Venkateswara Rao**, H.O. Tekin, M.I. Sayyed, R. Klement, D. Galusek, G. Lakshminarayana, P. Syam Prasad, N. Veeraiah (2019). Analysis of Red mud doped  $\text{Bi}_2\text{O}_3\text{B}_2\text{O}_3\text{-BaO}$  glasses for application as glass solder in radiation shield repair using MCNPX simulation. *Ceramics International*, DOI: <https://doi.org/10.1016/j.ceramint.2019.01.058>. IF 3.057
- **K. Stephenson, T. Stephenson** and A. Centella-Artola (2019). Advancing Climate Science and Response for Caribbean Islands, *Eos*, 100, <https://doi.org/10.1029/2019EO114415>.
- **P. Venkateswara Rao**, G. Naga Raju, P. Syam Prasad, T. Satyanarayana, L. Srinivasa Rao, F. Goumeidane, M. Iezid, **W. Marlтан**, G. Sahaya Baskaran, N. Veeraiah (2018). Role of molybdenum ions in lead zinc phosphate glass system by means of dielectric studies. *Materials Science-Poland*, DOI: 10.2478/msp-2018-0074. IF 0.854
- M. Vetter, J. Gonzalez-Rodriguez, E. Nahau, **T. Kerr** (2019). The use of Raman Spectroscopy to monitor phase changes in concrete following high temperature exposure. Accepted. *Construction and Building Materials*. IF:3.485
- **A. Fevrier-Paul**, A.K. Soyibo, S. Mitchell, **M. Voutchkov** (2018). Role of Toxic Elements in Chronic Kidney Disease. *J Health Pollut.* 8(20):181202. doi:10.5696/2156-9614-8.20.181202
- N. A. Mahammedi and **M. Ferhat** (2019). “Investigation of the Structural, Electronic and Mechanical Properties of Type-VIII  $\text{Ba}_8\text{Si}_{46}$  Clathrate under High-Pressure through First-Principles” *Silicon*, vol: 11, n: 45, 2019, <https://doi.org/10.1007/s12633-019-00145-1> IF:1.246
- Shaik Meera Saheb, **P. Venkateswara Rao**, R. Vijay, P. Ramesh Babu, Ch. Chandrakala, P. Syam Prasad, G. Naga Raju: “Spectroscopic and electrical investigations of copper ions in  $\text{PbO-GeO}_2$  glasses” *Results in Physics* 11 (2018) 880-786, ISSN. 211-3797, IF: 2.147.
- **W. Marlтан, P. Venkateswara Rao**, R. Klement, D. Galusek, M.I.Sayyed, H.O. Tekin, P. Syam Prasad, N. Veeraiah: “Spectroscopic and thermal analysis of lead-free multipurpose radiation shielding glasses” DOI: <https://doi.org/10.1016/j.ceramint.2018.11.231> *Ceramics International*, ISSN: 0272-8842, IF: 3.057
- **D. Sanderson, M. Voutchkov** and N. Benkeblia (2019). Bioaccumulation of cadmium in potato tuber grown on naturally high levels cadmium soils in Jamaica. *Science of the Total Environment* 649: 909-915. IF 5.589

- T. Sambasiva Rao, D.V. Krishna Reddy, SK Taherunnisa, A. Siva Sesha Reddy, **P. Venkateswara Rao**, N. Veeraiah, M. Rami Reddy (2019). "Studies on structural characterization and near white light emission through energy transfer between  $Ce^{3+}$  and  $Tb^{3+}$  in barium gallium borosilicate glasses doi.org/10.1016/j.molstruc.2019.04.065 IF: 2.011
- **T. S. Stephenson**, **M. A. Taylor**, A. R. Trotman, C. J. Van Meerbeeck, **J. D. Campbell**, **A. Brown** and J. Spence (2019). [Regional Climates] Caribbean [in State of the Climate in 2018]. Accepted to Bull. *Amer. Meteor. Soc.* IF 7.804
- G. Lakshminarayana, U. Caldiño, A.N. Meza-Rocha, A. Lira, **P. Venkateswara Rao**, Vijay Singh, Dong-Eun Lee, Jonghun Yoon, Taejoon Park (2019). Fluorescence features of  $Tm^{3+}$ -doped multicomponent borosilicate and borotellurite glasses for blue laser and S-band optical amplifier applications Optical Materials, IF: 2.687
- Satyanarayana Talama, Rambabu Busi, Nagarjuna Gunnam, P. Syam Prasad, **Venkateswara Rao Penugonda** (2019). Preparation and structural characterization of  $P_2O_5$ -  $CaO$ - $Na_2O$ :  $CuO$  glasses *Journal Of Optoelectronics and Advanced Materials*, IF: 0.588
- **R. Stennett-Brown**, **T. S. Stephenson** and **M. A. Taylor** (2019): Caribbean Climate Change Vulnerability: Lessons from an aggregate index approach. Accepted to *Plos One*. IF 2.776
- T. Rogers, **M. Ashtine**, **R. Koon Koon**, and M. Atherley-Ikechi. 2019. Onshore wind energy potential for small island developing states: Findings and recommendations from Barbados. *Energy for Sustainable Development*, I.F. 3.307
- D. Batic, N. G. Kelkar, M. Nowakowski, and **K. Redway** (2019) *Perturbing microscopic black holes inspired by noncommutativity*. Eur. Phys. J. C 79: 581, DOI: 10.1140/epjc/s10052-019-7084-x. IF 5.172
- D. Batic, M. Nowakowski, and **K. Redway** (2019) *Reply to "Comment on 'Some exact quasi-normal frequencies of a massless scalar field in the Schwarzschild space-time'"*. Phys. Rev. D, Vol. 99, 088502, DOI: 10.1103/PhysRevD.99.088502. IF 4.368
- **L. P. Brown**, J. Charlery and **M. Voutchkov** (2019). Investigating the apparent link between Cosmic-ray Muon Flux, Sudden Stratospheric Warmings and dry season rainfall over Jamaica. Accepted to Atmospheric and Climate Sciences. IF 1.09

#### Peer-reviewed Conference Proceedings

- **M. Ashtine**, **R. Koon Koon**, **G. Delando** and A. Maharaj, 2018: Advancing the Caribbean Energy Landscape – A Comprehensive Review of Electric Vehicles and Storage. Proceedings of Caribbean Academy of Science Conference.

- L.Srinivasa Rao,, V. Ravi Kumar, P. Naresh, **P. Venkateswara Rao**, N. Veeraiah (2018). Optical absorption and photoluminescence properties of vanadium ions in ‘lithium-tungsten-borate’ oxide glasses. *Materials Today: Proceedings* 5 (2018) 26290–26297.
- **Kaycilee S. Wright, Brandon O. Campbell, Louis-Ray O. Harris**. A Cost-effective Virtual Reality Headset for Immersive Interactive Learning in Developing Nations. *Proceedings of The Caribbean Academy of Sciences (CAS-2018) – 21st General Meeting and Conference, CAS-031*, pp. 147–153, November 2018.
- **Brandon O. Campbell, Kaycilee S. Wright, Louis-Ray O. Harris**. An Environmentally Friendly Solution to Realising ICT Sector Growth in Developing Countries. *Proceedings of The Caribbean Academy of Sciences (CAS-2018) – 21st General Meeting and Conference, CAS-031*, pp. 118–124, November 2018.
- **Vijay Gregory and Louis-Ray Harris**. Evaluation of Magnetic Field Strength Induced by 50-Hz Power Lines in Kingston, Jamaica. *9th Annual National Health Research Conference*, November 22–23, 2018.

#### Research Grants

- Leonardo Clarke, Michael Taylor, Jayaka Campbell and Tannecia Stephenson (2018–2020): Assessing the Effects of Solar Radiation Management on Future Caribbean Climate. Developing Country Impacts Modelling Analysis for SRM (DECIMALS) Project. The World Academy of Sciences (TWAS). USD\$10,000.
- Leonardo Clarke, Michael Taylor, Jayaka Campbell and Tannecia Stephenson (2018–2020): Assessing the Effects of Solar Radiation Management on Future Caribbean Climate. Developing Country Impacts Modelling Analysis for SRM (DECIMALS) Project. United Nations Educational, Scientific and Cultural Organization (UNESCO). USD 51,000
- Michael Taylor and Tannecia Stephenson (2018–2019). Resilience Strengthening to Climate Change Impacts through Youth Education in Primary Schools. The UNDP Global Environment Facility (GEF) Small Grants Programme. USD \$93,000. Project Managers: Kimberly Stephenson and Dale Rankine.

#### PUBLIC SERVICE

##### Dr. Masao Ashtine

- Member of the Energy and Environment Committee of the Private Sector Organization of Jamaica.

##### Dr. Andre Coy

- Convener, Physics Panel for Caribbean Examination Council

- Reviewer Journals, IEEE Transactions on Audio, Speech and Language Processing, Computer Speech and Language, Instrumentation Science & Technology
- Member IEEE Signal Processing Society
- Member IEEE Communications Society
- Member STEM Integration Committee – Ministry of Education
- Advisor to the Ministry of Education – Core Curriculum Unit.

**Dr. Victor Douse**

- Chairman, Cement Technical Committee, Bureau of Standards
- Technical Assessor, Jamaica National Agency for Accreditation (JANAAC)
- Chairman, Aggregates Technical Committee
- Vice Chairman, Building and Associated Materials Committee.

**Dr. Tanya Kerr**

- Member of the International Association of Fire Safety Science (IAFSS).

**Dr. Leary Myers**

- Member of Hazardous Substances Regulatory Authority.

**Dr. Venkateswara Penugonda**

- Editorial Board Member for the *Journal of Engineering Publication House*
- Life member in Luminescence Society of India (LSI).

**Dr. Tannecia Stephenson**

- Member of Coordinated Regional Climate Downscaling Experiment Science Advisory Team (CORDEX SAT)
- Member, Steering Committee, Pilot Programme for Climate Resilience (Caribbean)
- Member of the Task Team on Guide to Climatological Practices (TT-GCP) of the World Meteorological Organization Fifth Open Panel of the Commission for Climatology (CCI) Experts (OPACE 5)
- Member of the World Meteorological Organization Extremes Committee
- Lead Author of the Intergovernmental Panel on Climate Change Sixth Assessment Report.

**Professor Michael Taylor**

- Member, Board, Water Resources Authority;
- Member, Climate Change Advisory Board, Ministry of Land, Water, Environment and Climate Change

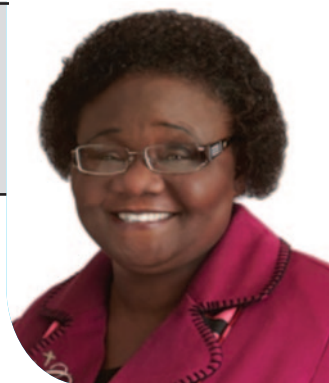
- Member, International Science Panel of VAMOS/CLIVAR
- Member, Steering Committee, Pilot Programme for Climate Resilience (Caribbean);
- Reviewer Journals: *Journal of Geophysical Research*, *International Journal of Climatology*, *Journal of Climate*, *Climate Dynamics*, *Theoretical and Applied Climatology*, *Tellus A*.
- Coordinating Lead Author of the Intergovernmental Panel on Climate Change Special Report on Global Warming of 1.5°C.

**Professor Mitko Voutchkov**

- Member of the Board of Directors of International Centre for Environmental and Nuclear Sciences
- Member of the Editorial Board of the *West Indies Medical Journal*
- Member, Jamaica's Energy Council, Ministry of Science, Technology, Energy and Mining
- Life Member, International Society of Environmental Geochemistry and Health
- Chairman, Technical Advisory Committee "In-situ Methods for Characterization of Contaminated Sites", International Atomic Energy Agency (IAEA)
- IAEA Technical Co-operation Expert in Nuclear Physics.

# THE BIOTECHNOLOGY CENTRE

**Professor Helen Asemota**, BSc, Univ. of Benin, Nigeria, MSc, Ahmadu Bello University, Nigeria, PhD, Univ. of Benin/Frankfurt, Germany – **Director**



## INTRODUCTION

The Centre started the 2018/2019 academic year with international outreach showcasing the Centre's key efforts at producing *the distinctive student* and becoming *more world-acclaimed*. More communities were reached, internationally and locally, with research and outcomes.

The year started with the visit of Professor Helen Asemota along with two postgraduate students, Ms. Tamara Grant and Mr. Orville Byfield, to the Research Centre for Food and Development (CIAD), Hermoshillo, Mexico, from August 19 to September 3, 2018. At the middle of the year, the Centre hosted Dr. Wesley Gray, Professor of Environmental Toxicology at Southern University of Baton Rouge (SUBR), Louisiana, USA on sabbatical leave from October 2018 to January 2019. During the period, Dr. Gray and Professor Asemota proposed the initiative for a possible 2+2 Biotechnology programme between UWI Biotechnology Centre and SUBR in order to augment the approved M.Sc. Biotechnology programme, when it comes on stream. At the end of the year, from July 22–31, 2019, the Centre effected a national training workshop entitled “Basic Biotechnology Skills Training Workshop – Train the Trainers”, for High School Teachers.

The Centre also hosted High School Students' Summer Internship Programme in Biotechnology. Over the internship period, the interns learnt how to use the Centre's laboratory instruments, prepare reagents for protein analysis, conduct DNA extraction and carry out Gel electrophoresis with the guidance of Prof Asemota along with Research Assistants and postgraduate students of the Centre.

## BIOTECHNOLOGY CENTRE STAFF

The Academic Staff at the Centre are:

1. Professor Helen Asemota (Executive Director) – Professor of Biochemistry and

Molecular Biology at the Basic Medical Sciences of the Faculty of Medical Sciences (FMS) – Yam Biotechnology & Biomedical Research Group Leader.

2. Professor Paula Tennant, Professor of Virology at the Life Sciences Department of the Faculty of Science & Technology – FST, Molecular Virology Research Group Leader.
3. Professor Marcia Roye, Associate Dean of Graduate Studies, FST - Geminivirus Research Group Leader).
4. Dr. Sylvia Mitchell (Senior Lecturer & Medicinal Plants Research Group Leader).
5. Professor Nouredine Benkeblia (Professor at the Life Sciences Department of FST, Tree Crops & Metabolomics Research Group Leader).
6. Professor Wesley Gray (Professor of Environmental Toxicology from SUBR, LA) served within the Yam Research Group, during his sabbatical leave at the Centre from October 2018 to January 2019.

All of the Centre's Academics taught courses at the Basic Medical Sciences or Life Sciences Department or within the Faculty of Science and Technology foundation programmes, during the year.

**The Support Staff** of the Centre in the period were:

1. Mrs. Sonal Gupte (Research Assistant to Prof. Asemota),
2. Ms. Deiondra Robinson (Research Assistant to Prof. Roye),
3. Mr. Carlton Barrows (Senior Laboratory Technologist),
4. Mrs. Karen Stewart (Senior Administrative Assistant II),
5. Ms. Elizabeth Mills (Yam Project Field Assistant),
6. Mr. Roy Dwyer (Handyman), and Ms. Shernette Banks-Ashman (Laboratory Attendant).

## TEACHING & RESEARCH

### Postgraduate Students

The following twenty two (22) post-graduate students at the Centre, received training in the year, towards their PhD or MPhil degree programmes. They are: **Kimberly Foster, Chantal Marriott, Princess Bell, Nikashae Scott, Lowen Williams, Chenielle Delahaye-McKenzie, Fabian Miller, Cheryl Green, Nikolai Lutas, Tamara Grant, Vanessa Williams, Chevaughn Witter, Deiondra Robinson, Daniel Perry, Racquel Wright, Julian Bailey, Orville Byfield, Bayode Bamikole, Donella Dawkins, Jordan Freeman, Jesse Clarke and Antoni Comrie.**

The Centre also catered for some students registered in other departments but



conduct their research at the Centre, namely: **Keaton Logan, Melissa Williams, Sasha-Gay Williams and Kenroy Wallace** of the Department of Basic Medical Sciences; and **Lloyd Johnson, Damion Neath and Aliza Lindo** of the Department of Life Sciences. The students were attached to various research groups of the Centre depending on their research supervisors.

### **Research Areas of the Centre**

The research areas in the period under review, were mainly agro-focused and biomedical. The various research groups (with the group leaders) were:

- **Yam Biotechnology & Biomedical Research Group** – led by Professor H. Asemota (the Director), operated in partnership with the Basic Medical Sciences Department. The bio-interdisciplinary research areas include: improvement of production, storage and utilization of Yam as food, as medicine and as industrial raw materials, inclusive of value-chain expansion studies, and innovation of value-added products with a theme of “From Farm to Finished Products”. Tools used are from biotechnology, biochemistry, molecular genetics, and nanobiotechnology. Work includes analyses of yams, coco yams and dasheens biodiversity, DNA profiling; studies on Yam Starch quality and applications for commercial purposes, bioengineering of yam biomaterials; biochemical studies on bioactivity of plants’ extracts and associated metabolic mechanisms of action of secondary metabolites/natural products/supplements in normal and diseased states in selected non-communicable diseases, experimental diabetes, hypercholesterolemia, cancer and drug abuse; Studies of Glycemic indices and applications (in collaboration with the SRC) and Coffee rust disease (in partnership with the SRC and IICA). Other research areas of the group are: Moringa phytochemistry and Moringa-based nutritional products derivation; Biomagnetic Therapy and associated metabolic effects in diabetes mellitus. Collaborates with researchers in Department of Surgery, TMRU, Community Health, Physics, Chemistry and Chemical Pathology. The group also embraced Cannabis-based principles and exploitation for technology derivation; antibodies production against agents of Yam diseases; Yam Anthracnose research and biosensor fabrication and field testing (in an NSF BREAD PHENO Project in collaboration with SUNY) as part of the development of low-cost technology to aid smallholder farmers in developing countries. The group extensively collaborates and networks with various former students of the group serving in other Government institutions or UWI departments and with various local and foreign experts/institutions. 12 postgraduate students currently study within this group, in various aspects the research areas.
- **Molecular Virology Research Group** – led by Professor M. Roye. Research on Geminiviruses. The group has identified over 22 geminiviruses infecting crops and weeds in Jamaica. This has helped to develop disease management strategies for

the associated crops. Research on HIV has shown that antiretroviral drug resistance is associated with children and adults infected with HIV in Jamaica. This information can be used to develop individual treatment plans. Current students Deiondra Robinson and Jesse Clarke are presently working on characterizing geminiviruses infecting papaya and ornamentals in Jamaica respectively. Undergraduate research student Shannique Clarke during September 2017–May 2018 carried out research work under the topic “The Utilization of Molecular Techniques to Identify Various Symptomatic Plant Species as Hosts of Geminiviruses in Jamaica.”

- **Molecular Plant Virology Research Group** – led by Professor P. Tennant (in partnership with Life Sciences Department). Using a number of advanced scientific techniques over 20 viruses were detected in food crops such as papaya, pumpkin, citrus and sweet potato. Knowledge of this distribution has led to an understanding of the effect of virus and viroid diseases on agricultural production. Other projects involved (i) the characterization of armyworms in Jamaica, the findings of which should lay the foundation for studies in the area of pest control and (ii) the characterization of cocoa germplasm in Jamaica which has provided some insight into where new materials should be introduced, so as to increase diversity and address production factors related to disease resistance.
- **Medicinal Plant Biotechnology Research Group** – led by Dr. Sylvia Mitchel, Senior Lecturer. This group has developed advanced propagation protocols for approximately 30 medicinal and economically important plants. Through this group, the Centre produced and distributed to farmers various tissue cultured crop/plants such as ginger, turmeric, sarsaparilla, chainy root, sugar loaf, cowboy pineapple, sweet potato, yellow yam, negro yam, sweet yam, Lucea, St. Vincent, yampie, cassava and Guinea hen weed. Present research includes studying the antibacterial and antifungal activity of bottlebrush and Smilax varieties; DNA fingerprinting of Smilacaceae, raspberry plants and bamboo; biochemical and DNA analysis of turmeric, developing propagation methods for bamboo, biochar studies, and field studies of medicinal and economically important plants. The group collaborates with the UHWI microbiology lab for anti-microbial tests and the Bureau of Standards for the development of standards in the nursery, plantation and making of biochar from bamboo, while the Group also conducts field studies. Post-graduate students are also encouraged to develop businesses around what they learn during their studies. The group motto is “Harness the potential of our plants for health and wealth”.
- **Tree Crops Research Group** – led by Professor Nouredine Benkeblia (in partnership with Life Sciences). The research group aims to investigate the application of modern agronomic technologies, particularly metabolomics, considering various aspects of specific tree and aromatic local and regional crops such as onion, pimento, ribena, soursop, custard apple with a primary objective to

introducing them as profitable venture, and new products in the local and regional value chain, at first instance. The outcomes of the laboratory will contribute by increasing the productivity, the quality attributes, storability and potential by-products of these crops, aiming to develop the agro-processing sector, contribute to the self-sufficiency in some of these commodities (particularly onion which is mostly imported) food security and rural development and prosperity in Jamaica. The group collaborates with many local, Caribbean and overseas laboratories in the Caribbean, USA, Mexico, Brazil, France, UK Ireland and Japan among other laboratories. The main research areas are tree and aromatic crops physiology and metabolomics, focusing on fructans (primary metabolites) and phenolics metabolism (secondary metabolites) and their relationship with maturation and ripening of fruits. The main goals of these research activities are to understand the physiological, biochemical and metabolite responses of crops to biotic and abiotic stresses. Recently, Professor N. Benkeblia focused part of his research on the response of crops to climate change, and this work is part of his activities with IPCC (International Panel on Climate Change).

## TEACHING

In addition to the research training and supervision of post graduate research students, the academic members of the Centre, were involved in teaching at both undergraduate and postgraduate levels during this period at other departments and/or in the Faculty Foundation programmes.

**Undergraduate courses taught:** were within the Department of Basic Medical Sciences (BMS) of the Faculty of Medical Sciences (FMS) and the Department of Life Sciences of the Faculty of Science and Technology (FST). The courses included: Biotechnology I, Biotechnology II, Molecular Biology I, Molecular Biology II, Introduction to Microbiology and Molecular Biology, Food Microbiology and Biotechnology, Virology, Principles of Plant Biotechnology, Plant Biotechnology Molecular Biology & Genetics, Science Medicine and Technology, Biochemistry for Physical Therapy Students, Biochemistry Laboratory Research Project, and Plant Biochemistry & Physiology, along with their associated lab classes.

**Postgraduate courses taught:** Members of Biotechnology Centre's staff also taught in the following postgraduate courses: "Standards and Risk Management in Agricultural Production Systems", one of the courses in the MSc in Agricultural Entrepreneurship Programme in the FST. Other courses taught by Centre staff were the FMS: Pharmacogenomics and Toxicogenomics postgraduate course on Natural Remedies and Treatments, to students of the UWI School of Nursing. The Centre's approved MSc. Programme, coordinated by Dr. Sylvia Mitchell and facilitated by Professor Roye is still expected to start soon.

## ACTIVITIES OF THE CENTRE

### Staging of Training Workshops

#### ***Basic Biotechnology Skills Workshop – Train The Trainers***

The Biotechnology Centre, Faculty of Science & Technology (FST), Mona, organized the “Basic Skills Biotechnology Training Workshop – Train the Trainers”, in collaboration with the Faculty of Humanity and Education, School of Education, facilitated by the Caribbean Examination Council, to enhance the teaching of Biotechnology in High Schools through acquainting teachers with the skills to teach biotechnology laboratory aspects at the CAPE level. The Workshop series were developed by Professor Helen Asemota and her research team at the Biotechnology Centre, and organized from July 22–31, 2019 as Summer Training Workshop in collaboration with Dr. Aldrin Sweeney and team of the UWI-Faculty of Humanity & Education, School of Education, and the Caribbean Exam Council (Mrs. Alsian Perry)

The Workshop series was presented at three levels namely:

1. Foundational Basic Biotechnology Laboratory skills 22 July–23 July, 2019
2. Basic Biotechnology laboratory skills for 24 July–26 July 2019
3. Basic Application Skills in Biotechnology for 29 July–31 July, 2019.

#### **CAPE WORKSHOP**

The ‘Concepts in Biotechnology & Genetic Engineering CAPE laboratory workshop on recombinant DNA technology’ was hosted on December 20, 2018, at the Faculty of Medical Science Research and Teaching Facility in the North lab. A total of 83 students participated in this year’s workshop, from four High schools, Campion College, Mannings High, St. Andrew High and Mona High, along with two final year students from the University of Technology.

The Workshop involved a registration process, commencing at 8:30 am. The students were then introduced to use of the micropipettes, nature of plasmids and the methodology of the experiment by Professor Roye. At about 10 am, students started the first half of the experiment, which included the extraction of plasmid DNA from one of two *E. coli* cultures containing either plasmids pCR 2.1 or pTRC99A.

Following an hour long lunch break, the students returned to the lab to conduct the second and final part of the experiment. Students were again first briefed on restriction digest analysis and gel electrophoresis. Professor Roye used interactive videos during this presentation to further illustrate the concepts. The students were then allowed to load their undigested and digested DNA samples onto the electrophoresis gels. This concluded the day’s experiments.

## **UWI MONA RESEARCH DAYS 2019**

The Biotechnology Centre participated in UWI Research Days, 2019 with activities involving staff and students. The Centre attracted students and visitors by performing the following activities at both Research village and the Centre.

- Centre tour and lab demonstrations: The Biotechnology Centre conducted tours of the facility with special talks and lab experiments to visitor's and students from various schools. Staff members and students from the Biotechnology Centre demonstrated the following lab activities – Simple DNA extractions, tissue culture and products development, Visitors were lead on a tour of the botanical garden and shown various medicinal plants.
- Jamaican Yam Biodiversity Quiz: Professor Asemota and her Research Group also conducted a Yam Taxonomy Biodiversity Quiz at the main tent and presented certificates to eighty (80) participants. This activity was a means of highlighting the extensive research being conducted on yams by the Yam Research group at the Biotechnology Centre. The yam taxonomy Quiz facilitated interaction with many primary, secondary and tertiary level students, as well other individuals from secular and public sector. This undertaking, for Research Days 2018, through the interest that it sparked can be considered as successful in exhibiting research and outreach prospects at the Biotechnology Centre which was the principal goal.
- Products Display & Sampling: The Biotechnology Centre displayed finished products at the booth in the Main Exhibition Tent, with a theme of 'From Farm to Finished Products'. The Centre rolled out a wide array of products that were designed to accommodate the current global trend, 'Going Natural'. There were a variety of products from the various research groups. These products included candles, soaps, tissue culture plants and organic pesticides and also food products. The food products included Wine from different local fruits, food products from Yam and Moringa that comprised Yam Cookies, Yam biscuits, Yamie chin chin, Yam spread, Yam Pudding, and Moringa Bites and Bars.
- Dr. Mitchell's, Research Group Leader at the Centre and PhD student Mrs Chenielle Delahaye-McKenzie displayed the various oils that can be made from local herbs such as lemon grass and neem among other plants and crops. There was also a display of activities under the Bamboo project including potted bamboo plants.

## **OUTREACH ACTIVITIES**

### **Biotechnology Centre Participation in Open Day Event in Montego Bay Freezone**

On March 22, 2019, The UWI, Mona was among several organizations that set up booths at an Open Day event put on by the Montego Bay Freezone Co. Ltd. in

Montego Bay, St James. It was a celebratory occasion that was marked by the workforce in the Freezone exceeding 10, 000 employees. Three postgraduate students from the Biotechnology Centre, namely, Ms. Tamara Grant, Mr. Chevaughn Witter and Ms. Donella Dawkins were stationed at the UWI booth and assisted with informing visitors of UWI Biotechnology Research programmes to ginger their interest in the Discipline. The visitors were also provided with flyers that outlined the prerequisites of the programmes. Many interested individuals filled out forms to facilitate later contact by UWI.

The UWI Marketing Department, led by Mrs. Marjorie Bolero-Haughton, coordinated the manning and setting up of the booth. Yam samples being researched at the Biotechnology Centre were on display.

### **SUMMER INTERNSHIP 2019**

Three multifaceted student interns complemented the workforce of the Biotechnology Centre during the June–July period of 2019. Trichel O'Connor began her internship at the Centre on June 4, 2019 whereas Zara Ranglin and Breanna Barrett started July 8th and July 10th respectively and the internship ended on July 31st.

The interns were supervised by Prof. Helen Asemota, Mrs. Sonal Gupte the Research Assistant to Professor Asemota, Ms. Tamara Grant (MPhil candidate of Professor Asemota/Dr. Riley) and Mr. Nikolai Lutas (MPhil candidate of Dr. Riley/H. Asemota).

During the internship, Ms. Oconnor, Ms. Ranglin and Ms. Barrett got insight into how the Centre functions. In addition, they were involved in preparing for and demonstrating in the 2019 Basic Biotechnology Lab-skills Training Workshop. Over the internship period, the interns learnt how to use the Centre's laboratory instruments, prepare reagents for protein analysis, do DNA extraction and carry out Gel electrophoresis. They also gathered useful knowledge on an enzyme purification procedure, DNA fingerprinting and Tissue Culture.

The interns expressed that they highly value their work experience at the Biotechnology Centre and the supervisors considered performance of the interns to be exceptional. In the period, Trichel Oconnor, conducted Laboratory Research Project on Biochemistry of Yam Acclimatization, with Professor Asemota's team.

### **UWI INFORMATION DAY**

The Biotechnology Centre participated in UWI Information Day on Saturday, November 24, 2018 organized by the Registry – Marketing Recruitment & Communication. The Centre was represented by four postgraduate students.

**CONFERENCES/WORKSHOPS/EVENTS ATTENDED BY BIOTECH STAFF/STUDENTS:**

- Three postgraduate students under the supervision of Professor Helen Asemota, namely, Mr. Nikolai Lutas, Ms. Tamara Grant and Mr. Keaton Logan received training in Phytopathological Techniques for Selecting Disease-resistant Sweet Yam and Ginger. The training took place at the Scientific Research Council. Certificates were awarded for participation.
  - Professor Helen Asemota along with four postgraduate students attended the twenty-fifth University Diabetes Outreach Conference on April 25th, 2019. The students in attendance were Mr. Keaton Logan, Mr. Lowen Williams, Ms. Tamara Grant and Ms. Davia Peddie. Two of the postgraduate students, namely, Mr. Logan and Mr. Williams each had a poster on display at the Conference. Mr. Logan received an award for his presentation.
  - Professor Benkeblia attended the Annual Meeting of the Crop Science Society of America (CSSA), in Baltimore, USA.
  - Professor Asemota attended Project MILEAGE Microelements in Life Expectancy and Ageing (Midterm Workshop on Microelements in Cardiovascular); April 8 & 9, 2019 at the UHWI. She made an oral presentation on “Minerals composition and biofortification of tuber crops.” She also attended the annual STEM Women of Color Concave in Washington DC, for which she is a Founding member, in June 2019. She visited the Biotechnology Laboratories of the North Carolina Central University in Durham also in June 2019, to negotiate collaboration/partnership in research.
  - Dr. Sylvia Mitchell attended Workshop on ABS Contract Templates, Advancing the Nagoya Protocol in Countries in the Caribbean Region, January 8th and 10th 2019, Jamaica. Hosted by IUCN-ORMACC in corporation with UN Environment. Dr. Sylvia Mitchell; Advancing the Nagoya Protocol in Countries in the Caribbean Region Workshop on ABS Contract Templates; January 8 and 10, 2019 in Jamaica; and January 29 and 30, 2019 in Trinidad. Presentation topics were as follows:
    - Reviewing Existing Institutional Capacity – ABS and Caribbean Institutions
    - ABS Medicinal Plants – The case of Medicinal Marijuana
    - Reviewing Existing Institutional Capacity – ABS and Caribbean Institutions – Take home messages & way forward.
- Dr. Sylvia Mitchell also attended the Caribbean Access and Benefit Sharing Week, Hosted by IUCN in association with UN Environment, From Global Goals to Local Implementation, January 29–31, 2019, Port of Spain, Trinidad and the Ninth Meeting of the Jamaica-Mexico Binational Commission.



- Ms. Tamara Grant, a postgraduate student at the Biotechnology Centre and Mrs. Sonal Gupte the Research Assistant to Professor Helen Asemota, attended The Second Preparatory Meeting for the Ninth Meeting of Jamaica-Mexico Binational Commission on June 13, 2019. This meeting was convened primarily to facilitate discussions on the project proposals that were submitted for consideration by Mexican Authorities. A delegation from Mexico was engaged in the meeting through video-conferencing. It was conveyed that the project proposal submitted by the Biotechnology Centre by Professor Asemota & Tamara Grant, was approved. This proposed project was considered to be a continuation of the project entitled: 'Bioengineering of Yams & other selected Caribbean roots and tuber crops biomaterials for value-chain expansion & pre-commercialization analyses'. Ms. Tamara Grant represented Professor Helen Asemota at the Ninth Meeting of the Jamaica-Mexico Binational Commission on June 19, 2019. Meeting agenda items were: 1. Political Affairs. 2. Economic, Trade and Financial Matters. 3. Technical, Scientific, Educational and Cultural Cooperation. Ms. Tamara Grant made a presentation entitled: "Research: Innovation and Commercialization", on behalf of Professor Helen Asemota.

- Participation in NCU IAD Conference – March 27–30, 2019

Three postgraduate students of the Biotechnology Centre made presentations at the 3rd Inter-American Division Research Conference at Northern Caribbean University on March 27, 2019. Ms. Donella Dawkins' and Ms. Tamara Grant's presentations were made in the Microbiology Session while Mr. Nikolai Lutas made his presentation during the Agriculture and Environmental Issues Session. All students received positive feedback from the audience.

The titles of their presentations were as follows:

- Donella Dawkins – "Exploiting Toxin Antitoxin Systems in Vancomycin Resistant Enterococci and High Level Aminoglycoside Resistant Enterococci isolates from the Caribbean as Potential Antibacterial Strategy"
- Tamara Grant – "An Investigation into the Use of Nanoparticles against the Yam Anthracnose Disease"
- Nikolai Lutas – "The Fight against Coffee Leaf Rust in Jamaica: An Overview of the current state of the disease in Jamaica."
- Professor Benkeblia attended the Annual Meeting of the Crop Science Society of America (CSSA), in Baltimore, USA during November 4–7, 2018 and made an oral presentation and exhibited 2 posters.
- Ms. Melisa Williams (associate student of Professor Helen Asemota) made an oral presentation at the Scientific Session of the 7th Annual Conference held by the Society for Scientific Advancement (SOSA) on Friday, November 16, 2018 at Mona Visitors' Lodge, UWI, Mona.



**VISITORS TO THE BIOTECHNOLOGY CENTRE**

- On April 15th, 2019, thirteen students and two teachers from St. Ann's Bay Primary visited Professor Asemota's laboratory at the Biotechnology Centre. Ms. Tamara Grant gave a presentation that outlined yam cultivation practices, Jamaican yam biodiversity and research carried out on yams at the Biotechnology Centre. The students were tested on the knowledge that they garnered after the presentation and each was given a certificate of participation which they were delighted to receive.
- Professor Ajaguanna Ibrahim and Professor Matthew Ilari of the Caribbean Maritime University (CMU) visited the Biotechnology Centre on March 29, 2019. The meeting was to discuss MOU between the Biotechnology Centre and CMU re Biotechnology laboratory training with Prof. Asemota.
- The Biotechnology Centre had the following visitors on March 1, 2019: Dr Andrew Lamm, Dr. Richard Lambie and Dr Cecelia Waugh Hall. The meeting was to discuss co-financing for an upcoming project under the United Nations Development programme.
- Twenty students from the University of Technology, Jamaica visited the Biotechnology Centre on November 13, 2018. The purpose of the visit was to allow students to see real life applications of the concepts they have been introduced to in their Biotechnology course. They got the opportunity to acquaint themselves with the research being conducted at the Centre. From this experience, they will be able to see local scientists making discoveries and solving problems in the Jamaican context.
- Visitors' to the Biotechnology Centre were Professor A. Bradley from the University of Surrey and Dr. Charles Grant, General Director of International Centre for Environmental and Nuclear Sciences (ICENS) on October 3, 2018.
- Dr. Shelly McFohae from The Caribbean Institute for Health Research (CAIHR) also visited on October 3, 2018.
- The 2018 class of BIOT3113 students visited the Biotechnology Centre on Friday October 26, 2018. The class comprised of 40 final year students. Professor Roye made a presentation on her work on Geminiviruses and HIV drug resistance research in Lab 2. Ms. Deiondra Robinson introduced students to past work in Lab 1, including Professor Tennant's work on genetically modified papaya, Damion Neath's work with army worms, Lamar Thomas work on fungi and RNA viruses in cucurbits and Aliza Lindo's work on the Jamaican Cocoa. Ms. Tamara Grant presented on research work done on Yam and Mr. Nikolai Lutas explained his research on Coffee Leaf Rust Disease and other research activities of Lab 4, Professor Asemota's lab. Students were asked to write an essay on the topic "From

Farm to Finish Products” when they toured Yam Group Lab 4. Mr. Antoni Comrie also made a presentation on tissue cultured plant in Lab 5 (lab of Dr. Mitchell) as well as the Centre’s Growth Room.

- Professor Gray of the Southern University of Baton Rouge (SUBR) visited the Biotechnology Centre on sabbatical leave from October 2018 to January 2019, and also in July 2019.

## COLLABORATIONS AND MOUS

The Centre continues to collaborate with various departments within the FST and FMS for research and co-supervising of postgraduate students, with neighbouring universities and research institutions as well as with foreign institutions for partnership/networking. We also collaborate with local yam farmers. Our current list of international and local collaborators include: Morehouse School of Medicine, USA; School of Pharmacy, Roosevelt University, USA; SUNY Binghamton, USA; University of Toronto, Mississauga, Canada; Albany State University, USA; University of Salento, Italy; Cordoba University, Colombia; Redeemers University, Nigeria; Trees that Feed Foundation, Illinois, USA; University of California, Davis (US-Davis); The Bamboo Project, Government of Jamaica; Bureau of Standards, Jamaica; JAMPRO; The National Environment and Planning Agency (NEPA); OAS; The 4H Club, Jamaica; Agro Systems Consultants, Jamaica; Grace Kennedy Limited; National Committee on Science and Technology; Northern Caribbean University (NCU); Southern Trelawny Environmental Agency (STEA); Scientific Research Council (SRC); MSET; Peckham Development Council, Pan-American University, Aguascalientes, Mexico, CICY and CIAD, Mexico, IICA, CARDI, CMU, UTECH, Southern University of Baton Rouge (SUBR), SUNY Binghamton.

- MOUs with: King Mongkut’s University of Technology North Bangkok (Thailand), Chinese Academy of Science (China), Wallenford Company (Jamaica).
- MOU with SUNY, Binghamton renewed within the year.
- MOU with CIAD, Mexico signed within the year in question.
- Research Grants/partnership

A Grant submission was made to National Institutes of Health (NIH) by Professor Helen Asemota’s group along with Dr. Wesley Gray visiting Professor from Southern University of Baton Rouge (SUBR), and Professor O. Sadik of SUNY.

The Centre has an NSF Grant for Yam Research with SUNY, USA.

Bamboo Project Grant with the Government of Jamaica.

## SPECIAL PROJECTS

### **UWI-SUNY NSF Yam BREAD Pheno Project – “Development and Field Testing of Paper-Based Biosensors to Increase Productivity of Small Holder Agricultural in Developing Countries”**

This is a National Science Foundation (NSF) sponsored project, under the BREAD PHENO program and it is in collaboration with the State University of New York (SUNY) at Binghamton. Professor O. Sadik of SUNY is the PI and Professor H. Asemota of UWI is co-PI. Local collaborators in the project are Northern Caribbean University (NCU) and the Southern Trelawny Environmental Agency (STEA), as well as selected local farmers. This project seeks to revolutionize yam production in Jamaica through the development and field testing of low cost genotyping and phenotyping biosensors and molecular genetic tools. UWI works with small holder yam farmers in Jamaica with the help of NCU in Manchester and STEA Trelawny and Extension Officers. The project operates under a sub award agreement between SUNY and UWI.

Researchers from the Biotechnology Centre and NCU visited Yam Farms in Bilby and Grove place, Manchester. The main purpose of the field trips was to apply nanoparticles that were supplied by SUNY researchers to the infected sweet yam plants. Observations were made in order to determine if the nano particles applied can suppress the anthracnose disease on Sweet Yam selected plants.

The partnering institutions established an experimental Sweet yam plot infected with yam anthracnose disease. This plot incorporated four groups of treatments. The first type of treatment constituted the application of nanoparticles. The tubers were reaped on November 15, 2018. The yield of tubers and fungal infection of each group of treatments are being analysed to determine if the nanoparticles used can potentially serve to control. Investigations are ongoing.

### **Jamaica-Mexico Bilateral Cooperation Project” – “Bioengineering of Yams & Other Selected Caribbean Roots and Tuber Crops Biomaterials for Value-Chain Expansion & Pre-Commercialization Analyses”**

This Jamaica–Mexico Bilateral Commission Project is the Phase iv of investigations which started in 1999 involving collaboration with Mexican Scientists. The project focuses on bioengineering biomaterials from selected crops for value-chain expansion & pre-commercialization analyses. The project has been renewed for Phase v in the 2020–2021 bilateral period. The project will facilitate boosting of the agro industry via expansion of value chain of Yams. For this new project, Professor Helen Asemota is working in collaboration with UTECH, through Orville Byfield, who accompanied

the UWI researchers last year to Mexico CIAD to visit Dr. Jesus Fernando Ayala Zavala of CIAD in Hermosillo. A research group from the Biotechnology Centre comprised of Professor Helen Asemota, Mr. Orville Byfield and Ms. Tamara Grant visited the Centro de Investigacion en Alimentacion y Desarrollo (CIAD) in Hermosillo, Mexico from August 19 to September 1, 2018. The visit was to carry out tests on samples that were taken to Mexico, to explore the facilities at CIAD to identify the possibilities for additional research. Also, the researchers met with faculty at CIAD to benefit from their expertise for the effective execution of the project as well as to showcase the Biosports products to get ideas on how their commercialization can be expedited. Mr Orville Byfield and Ms. Tamara Grant made presentations of their research work to postgraduate students and professors at CIAD.

A report was submitted in May 2019 to the Mexican Embassy on the academic visit of Prof. Helen Asemota and two of her postgraduate students to Hermosillo, Mexico over the period August 20–31, 2018. The institutions visited were: the Research Centre for Food and Development (CIAD) and the University of Sonora. During the visit the team from the Biotechnology Centre were exposed to state of the art facilities, and research was advanced within the scope of the Project: ‘Bioengineering of Yams & other selected Caribbean roots and tuber crops biomaterials for value-chain expansion & pre-commercialization analyses’. Also, the Jamaican researchers had productive meetings with faculty from CIAD and the University of Sonora. In addition, the postgraduate students learned valuable techniques.

## **BAMBOO GOVERNMENT PROJECT**

OAS and PIOJ representatives visited the Biotechnology Centre on August 1, 2018. According to Dr. Mitchell, they were happy with the work of the Biotechnology Centre in the Bamboo project.

## **ABS**

Dr Sylvia Mitchell during the period under review assisted with IUCN ABS project along with other Caribbean colleagues entitled “*Advancing the Nagoya Protocol in Countries of the Caribbean Region: ABS – Bio-prospecting in the Caribbean Region.*” In addition, Dr Mitchell assisted Jamaica ABS group with preparations to Jamaica signing of the Nagoya Protocol for monitoring Access and Benefit sharing of Jamaica’s Biodiversity and Traditional Knowledge.

## **PUBLICATIONS**

### **Referred Journal Publications**

## 2019

- Sanderson, D., Voutchkov, M. and **Benkeblia, N.** (2019). Bioaccumulation of cadmium in potato tuber grown on naturally high levels cadmium soils in Jamaica. *Science of the Total Environment* 649: 909–915.
- **Benkeblia, N.** 2019. Variation of reducing and total sugars starch, total phenolic contents in unripe and ripe jackfruit (*Artocarpus heterophyllus*) and West Indian locust (*Hymenaea courbaril*) fruits. *International Journal of Plant Science and Horticulture* 1: 49–55.
- **Francis, R.D.,** Bahado-Singh P.S., Wheatley A.O., Smith A.M. and **Asemota H.N.** (2019) Glycemic index of selected foods in Jamaica. *Pharmacovigil and Pharmacoeppi* 2: 13–16.
- **Francis, R.D.,** Bahado-Singh P.S., Wheatley A.O., Smith A.M. and **Asemota H.N.** (2019) Glycemic index of selected foods in Jamaica. *Pharmacovigil and Pharmacoeppi* 2: 13–16.

## 2018

- Fevrier, Adwalia, AK Soyibo, **SA Mitchell**, M Voutchkov (2018) Role of toxic elements in chronic kidney disease. *Journal of Health & Pollution*, December, 2018. Vol 8(20): 1-6. Doi: 10.5696/2156-9614-8.20.181202.
- Vandebroek Ina, David Picking, Stacey Aiken, Patrick Albert Lewis, Andreas Oberli, **Sylvia Mitchell** and Brian Boom (2018) A review of coralilla (*Antigonon leptopus*): An invasive and popular urban bush medicine in Jamaica. *Economic Biology*, 71: 1–17.
- **Francis, R.,** Rodgers, Y., Salmon, C., Junior, G., Bahado-Singh, P. S., Smith, A., Wheatley, A. O., & **Asemota, H. A.** (2018). Glycemic index in the development of functional beverage. *European Journal of Experimental Biology*, 8(2), 1–4.
- **Francis, R.,** Bahado-Singh, P. S., Smith, A., Wheatley, A. O., & **Asemota, H. A.** (2018). Glycemic index of traditional foods in Jamaica. *European Journal of Experimental Biology*, 8(3), 1–5.
- **Francis, R.,** Rodgers, Y., Salmon, C., Junior, G., Bahado-Singh, P. S., Smith, A., Wheatley, A. O., & **Asemota, H. A.** (2018). Glycemic index in the development of functional beverage. *European Journal of Experimental Biology*, 8(2), 1–4.
- **Francis, R.,** Bahado-Singh, P. S., Smith, A., Wheatley, A. O., & **Asemota, H. A.** (2018). Glycemic index of traditional foods in Jamaica. *European Journal of Experimental Biology*, 8(3), 1–5.
- Vandebroek Ina, David Picking, Stacey Aiken, Patrick Albert Lewis, Andreas Oberli, **Sylvia Mitchell** and Brian Boom (2018) *A review of coralilla (Antigonon leptopus): An invasive and popular urban bush medicine in Jamaica. Economic*

*Biology*, 71: 1–17.

## TECHNICAL REPORTS/SCIENTIFIC REPORTS/WHITE PAPERS

- Asemota, H.N. and Grant, T. C. (2019). A Work Programme for the Jamaica-Mexico Bilateral Technical Cooperation Project: “Bioengineering of Yams & other selected Caribbean roots and tuber crops biomaterials for value-chain expansion & pre-commercialization analyses” was sent to Mr. Marlon Roberts, Foreign Service Officer in the Bilateral Relations Department of The Ministry of Foreign Affairs and Foreign Trade. This programme incorporated project related activities that were carried out over the 2017–2018 period and proposed activities for the 2019 Project year.
- Mitchell SA, K Lindsay, A Richards (2018) Bio-prospecting in the Caribbean region: Caribbean ABS Traditional Knowledge Stocktaking Traditional Knowledge in the Caribbean Region, IUCN, 103pgs. <http://www.abscaribbean.com/resources/documents>.
- Mitchell SA, A Richards, K Lindsay (2018) Bio-prospecting in the Caribbean region: Standardized methodology for creation of Caribbean national registers of their marine and terrestrial biological resources, IUCN, 45 pages. <http://www.abscaribbean.com/resources/documents>.

## CONFERENCES PROCEEDINGS

- Lutas, N., Riley, C.K., Johnson, E., Asemota, H.N (2019, March) The Fight Against Coffee Leaf Rust in Jamaica: An Overview of the current state of the disease in Jamaica. 3rd Inter-American Division Research Conference, March 27–30th, 2019 (Research: Meeting Human Needs). Northern Caribbean University, Jamaica. (Oral Presentation).
- Dawkins, D., Thomas-Rodriquez, C., Hyslop, E., Asemota, H.N., Smikle, M. (2019, March) Exploiting Toxin Antitoxin Systems in Vancomycin Resistant Enterococci and High Level Aminoglycoside Resistant Enterococci Isolates from the Caribbean as Potential Antibacterial Strategy. 3rd Inter-American Division Research Conference, March 27–30th, 2019 (Research: Meeting Human Needs). Northern Caribbean University, Jamaica. (Oral Presentation).
- Mitchell, SA (2019) ABS and Medicinal Plants – the case of Medicinal Marijuana – Cannabis in the Caribbean. Caribbean Access and Benefit Sharing Week, Hosted by IUCN in association with UN Environment, From Global Goals to Local Implementation, January 29–31, 2019, Port of Spain, Trinidad.
- Mitchell, SA (2019) Reviewing Institutions and Experts in the Caribbean – ABS, Nagoya Protocol and Caribbean Institutions. Caribbean Access and Benefit Sharing Week, Hosted by IUCN in association with UN Environment, From

Global Goals to Local Implementation, January 29–31, 2019, Port of Spain, Trinidad.

- **Grant, T.C., Asemota, H.N.,** Dondapati, S., Riley, C.K., Bazuaye-Alonge, P.E., Wright, V.F., Miller, R.M., Sadik, O.A. (2019, March) An Investigation into the Use of Nanoparticles against the Yam Anthracnose Disease. 3rd Inter-American Division Research Conference, March 27–30th, 2019 (Research: Meeting Human Needs). Northern Caribbean University, Jamaica. (Oral Presentation).
- **Lutas, N., Riley, C.K., Johnson, E., Asemota, H.N** (2019, March) The Fight against Coffee Leaf Rust in Jamaica: An Overview of the current state of the disease in Jamaica. 3rd Inter-American Division Research Conference, March 27–30th, 2019 (Research: Meeting Human Needs). Northern Caribbean University, Jamaica. (Oral Presentation)
- **Dawkins, D.,** Thomas-Rodriquez, C., Hyslop, E., **Asemota, H.N.,** Smikle, M. (2019, March) Exploiting Toxin Antitoxin Systems in Vancomycin Resistant Enterococci and High Level Aminoglycoside Resistant Enterococci Isolates from the Caribbean as Potential Antibacterial Strategy. 3rd Inter-American Division Research Conference, March 27–30th, 2019 (Research: Meeting Human Needs).
- **S. Wright, W Aiken, H Asemota** (2018). Biomedical Engineering of Jamaican Yam tuber for Drug Targeted Therapy in Prostate Cancer and its Potential Use in Green Nanotechnology Formulation The 40th The Jamaica Institute of Engineers & The Canadian Society of Civil Engineers, “Engineering Week”; Theme” Engineering Our Future Through Celebrating Our Heritage.” *September 2018*, University of the West Indies, Mona Campus, St. Andrew, Jamaica.
- Adwalia Fevrier-Paul, Adedamola Soyibo, Nimal DeSilva, **Sylvia Mitchell**, Mitko Voutchkov Evaluation of Whole Blood Elemental Trends in End Stage Renal Disease Patients in Jamaica. 11th FST Conference 2018. Poster.
- **M. Williams, C. Nwokocha, M. Voutchkov, D. McGrowder, E. Williams, H. Asemota.** Biomagnetic Therapy and Type II Diabetes. UDOP Conference 2018. Poster.
- **Sasha-Gay Wright, William Aiken, Helen Asemota.** Comparison of cytotoxicity of the RLY2 Extract in Androgen Sensitive and Insensitive Prostate Cancer cell lines. 11th FST Conference 2018. Poster.
- Kenroy Wallace, Wesley Gray, **Helen Asemota.** The Effect of Extracted bioactive material from *Dioscorea alata* cv. White Yam tuber on Prostate and Breast Cancer cells. 11th FST Conference 2018. Poster.
- **Racquel Wright, Lee Ken, Hyacinth Hyacinth, Jacqueline Hibberts, Marvin Reid, Andrew Wheatley, Helen Asemota.** Phytochemical analysis of Jamaican



Moringa oleifera leaf extracts and possible implications for treatment of oxidative stress conditions. 11th FST Conference 2018. Poster.

- **Lowen Williams**, Mohammed Bakir, Donovan McGrowder, and **Helen Asemota**. The use of metallic semicarbazone complexes in the management of type 2 diabetes. 11th FST Conference 2018. Poster.
- Melisa Williams, Chukwuemeka Nwokocha, Mitko Voutchkov, Donovan McGrowder, Elvira Williams, **Helen Asemota**. The biochemical effects of biomagnetic therapy on type II diabetic rats. 11th FST Conference 2018. Poster.
- **Robinson, D.**, Holness, S., **Roye M.** The use of small RNA next generation sequencing to identify viruses affecting tomato, sweet pepper and scotch bonnet pepper in Jamaica. 11th FST Conference 2018. Poster.
- **Robinson, D.**, Holness, S., **Tennant, P.**, **Roye, M.** (2018). Identification and Molecular Characterization of Viruses infecting Tomato, Scotch Bonnet Pepper and Sweet Pepper Using small-RNA Next Generation Sequencing. 11th FST Conference, UWI, Mona. April 25–27, 2018. (Poster Presentation)
- **Logan K.A.**, **Wright S.A.**, **Wright R.J.**, Lawrence M.A., Bakir M., Nwokocha C.R., and **Asemota H.N.** Potential action of semicarbazones in the management of diabetes and its complications. UDOP Conference 2018. Poster.
- **S. Wright, R.**, **K. Logan**, **W. Aiken**, **H. Asemota**. The Versatility of Jamaican Medicinal Plants for the Management of Type 2 Diabetes and other Non-Communicable Diseases. UDOP Conference 2018. Poster.
- **M. Williams**, C. Nwokocha, M. Voutchkov, D. McGrowder, E. Williams, **H. Asemota**. Biomagnetic Therapy and Type II Diabetes. UDOP Conference 2018. Poster.
- **Sadik.O.**, **Dondapati, S.**, **Asemota. H.** Development and Field Testing of Paper-based biosensors to increase productivity of small holder agriculture in developing countries. The UWI, Mona Research Days 2018. Poster.
- **Mitchell, Sylvia Adjoa** (2018) Bamboo tissue culture, propagation, cultivation and harvesting research ‘catalyzing the process’, Caribbean International Bamboo Conference, November 28th, Jamaica Conference Centre, Kingston, Jamaica.
- **Williams L**, Bakir M, McGrowder D, Nwokocha C, **Asemota H** (2019 April) The Use of Metallic Semicarbazone Complexes in the Management of type 2 Diabetic Rats. The 25th Annual International Diabetes Conference, April 25–27, 2019, Jewel Runaway Bay Beach & Golf Resort, Jamaica. (Conference Poster)
- **Logan K.A.**, Lawrence M.A., Bakir M., Nwokocha C.R., and **Asemota H.N.** (2019 April) the Potential Therapeutic Effects of Metallic Semicarbazone Complexes in L-NAME Induced Hypertension Model. The 25th Annual International



Diabetes Conference, April 25–27, 2019, Jewel Runaway Bay Beach & Golf.

### BOOK & BOOK CHAPTER

- Tennant P, Fermin G, Foster J (2018) *Viruses: Molecular Biology, Host Interactions and Applications to Biotechnology*. Academic Press. 392 pp.
- Benkeblia, N. (2018). Harnessing the nutritional and commercial benefits of jackfruit (*Artocarpus heterophyllus*) in the tropics and subtropics. In: *Agriculture, Food, and Food Security: Some Contemporary Global Issues*. C. L. Beckford (Ed.). Nova Science Publisher, Hauppauge (NY), pp. 1–28.
- Benkeblia, N. (2018). Unlocking the full potential of carambola (*Averrhoa carambola*) as a food source: botany, growing, physiology and postharvest technology. In: *Agriculture, Food, and Food Security: Some Contemporary Global Issues*. C. L. Beckford (Ed.). Nova Science Publisher, Hauppauge (NY), pp. 131–158.
- Tennant, P., Gubba, A., Roye, M. Gustavo, F. Viruses as Pathogens: Plant Viruses. In: Tennant, P., Gustavo, F, Foster, J.E. (Eds) *Viruses Molecular Biology, Host Interactions, and Applications to Biotechnology*. Elsevier Academic Press, USA. 2018. pp. 137–156.

### INCOME GENERATION

The Basic Skills Biotechnology Training Workshop – “Train the Trainers” generated an overall amount of \$ 405,000.00 JMD.

### PUBLIC SERVICE

#### Professor Helen Asemota

- Ordained Minister (Reverend) with the Holiness Christian Church of Jamaica
- Chairman of Board – International Centre for Environmental and Nuclear Sciences (ICENS)
- Member, PSOJ Innovative Committee
- Member, NHMIJ Board, JIS
- Chairman and Co-Founder, Imade Asemota Foundation for Sickle Cell Research and Patients’ Welfare (IAF), North Carolina, USA
- Director, Biotechnology Centre (FST, Mona)
- Country Representative, International Measurement Convention (IMEKO) Rep.

in Jamaica

- STEM Women of Science Concave (SWOC), USA. Founding Member
- Conveyor, the 2016 United Nations University Biotechnology Programme for Latin American and Caribbean countries (UNUBIOLAC) Activities
- General Co-chair, the 2017 IMEKO TC19 International Symposium in Aguascalientes, Mexico.

#### **Dr. Sylvia Mitchell**

- Member, Technical Working Group, Cannabis Licensing Authority, 2016 to Present
- Member, Health and Wellness Network Committee, Linkages Council, Ministry of Tourism, 2016 to Present
- Member, Ginger working group, Ministry of Industry, Commerce, Agriculture and Fisheries, 2017
- Member, ABS working group meeting, MEGJC
- Technical Secretary, Bamboo and Indigenous Material Products Standards Technical Committee (BIMPSTC), Bureau of Standards Jamaica, 2016–2018
- Founding Member, Bamboo Industry Association of Jamaica, 2016 to Present
- Bureau of Standards Jamaica, Pension Trustee, 2013 to Present.
- Biology (SIVB), 2009 to Present
- Member, Organization for Women in Science for the Developing World (OSWD).
- Convenor, Working Group, Bamboo Charcoal, TC296, ISO, 2017–2018
- Member, Working Group, Bamboo Terminology, TC296, ISO, 2017 to Present
- Member of Organising Committee, Caribbean Bamboo Conference in November 2018. Will be presenting a paper on the work done under this project.
- Convenor of ISO Bamboo standard working group on bamboo charcoal for 2017. Sent document for ISO meeting in Indonesia in 2–24th August, 2017.
- Co-editor of In Vitro Reports (posted on their website every three months), Society of In Vitro Biology (SIVB), 2009 to Present
- Member, Society of In Vitro Biology (SIVB), 2003 to Present.
- Member, Organization for Women in Science for the Developing World (OSWD).
- Convenor, Working Group, Bamboo Charcoal, TC296, ISO. Organizer first meeting of the WG1, Indonesia, held August 23, 2017.

#### **Professor Marcia Roye**

- Member of the Advisory Board of the National Compliance Regulatory Authority of the Bureau of Standards, Jamaica.
- Volunteer Cape Biology Teacher at Wolmer's Boys' School and St Andrew High School for Girls. Topic: Genetic engineering.

**Professor Nouredine Benkeblia**

- Scientific Activities Appointed “*Associate Editor*”, *Canadian Journal of Plant Science*
- Member of the *Canadian Society of Plant Science* International Symposia
- Member of the Organizing Committee of the 2nd Asian Horticultural Congress, 26–28 September, 2017, Chengdu, China.
- Member of the Organizing Committee of the International Conference on Food Technology and Nutritional Science, 26–27 June, 2017, Baltimore, MD, USA.

**Professor Paula Tennant**

- Member, American Phytopathological Society
- Member, Caribbean Academy of Sciences, Jamaica Chapter
- Member, Jamaica Society of Scientists and Technologists

**AWARDS & NOTATIONS**

- Dr. Mitchell was given an award for being the IAPB (International Association for Plant Biotechnology) Country Representative for Jamaica, Awarded at IAPB meeting in 2018, and IAPB PIC 7.
- The Biotechnology Centre was honoured recently when its two full-time academic staff, Prof Marcia Roye and Dr Sylvia Mitchell were chosen as part of the 70+ UWI Women of Distinction. As part of the 70th anniversary celebrations of The UWI (1948-2018), The Institute for Gender and Development Studies, Regional Coordinating Office (IGDS, RCO), in association with the Office of the Vice Chancellor, The University of the West Indies (The UWI) conceived a regional project entitled Celebrating UWI Women. The project is geared at highlighting the significant contribution and outstanding achievements of women who have graduated from the various campuses of The UWI since its inception.
- Mr. Jordon Freeman post graduate in the MPhil in Biotechnology received the Youth Innovator Award 2018 for his product “Healthy Sugar” (sugar lower in calories) at the 2018 National Medal for Science and Technology and Innovation awards ceremony held at The Jamaica Pegasus hotel in New Kingston on Wednesday November 21, 2018.

- Mr. Freeman also won the 2018/2019 'Startupper of the Year' Total Challenge. Jordon was among several young entrepreneurs rewarded by Total Jamaica and are now being positioned to further implement their ideas for greater economic success. Jordon entered his company JA Bioplastic Limited and emerged as the first-place winner.
- Ms. Sasha Gay Wright, post graduate student of Professor Helen Asemota and associate student of the Biotechnology Centre was featured in the *Jamaica Observer* – All Woman for her ground-breaking cancer research.
- Ms. Wright's research has so far been focused heavily on the anti-cancer properties of the Jamaican round leaf yellow yam. Ms. Wright aims for her research is to do more that write a paper on her findings. She wants to use the extract that she found in cancer treatment through nutraceuticals (foods that have medical benefits). Web Link: Jamaica Observer [https://www.jamaicaobserver.com/all-woman/sasha-gay-wright-s-ground-breaking-cancer-research\\_162010](https://www.jamaicaobserver.com/all-woman/sasha-gay-wright-s-ground-breaking-cancer-research_162010).
- Ms. Deiondra Robinson received the Outstanding Student Scientist Award at the Faculty of Science and Sport (FOSS) 5th International Scientific Conference held at the University of Technology, Jamaica (UTech, Ja.).

# THE NATURAL PRODUCTS INSTITUTE

**Dr. Rupika Delgoda, D.Phil. (Oxon), B.Sc. (Hons.) – Executive Director**



## WORK OF THE INSTITUTE

This academic year saw staff and students of NPI distinguishing themselves in various spheres of research. Dr. Sheena Francis was seconded by the USAID funded Zika AIRS project, ZAP as an entomology manager for garnering island-wide data on insecticidal resistance of *Aedes Aegypti* mosquitoes. Much effort was spent on building the Mosquito Control and Research Unit (MCRU) on campus (both raising funds and drawing operational documents), which is a collaboration between UWI and Ministry of Health and Wellness. Dr. Picking commenced chairman duties for organizing the 2020 international conference on Society for Economic Botany (SEB) and he also joined Professor Delgoda to work on the Food and Drug Act amendment to include a natural health product with the National Commission of Science and Technology (via the National Nutraceutical Industry subcommittee). At the same time, research projects focused on the development of traditional medicines and natural products with cytotoxic value continued with on-going international collaborations.

This year also saw the initiation of a partnership between NPI and Field Trip Ventures, Canada. This unique academia-industry venture is a first of its kind for NPI, the Faculty and indeed the Mona campus, and we look forward to its fruition and the research benefits that it promises to bring.

## PAPERS PRESENTED

- **Delgoda R.**, Health and wellness from Jamaica's biodiversity, National Biodiversity Conference, Kingston Jamaica, October 17, 2018.
- **Wauchope S.**, Wooten J., Mavingire N., Campbell P., **Watson J.**, Brantley E., Gossell-Williams M. & **Delgoda R.**, The Impact of dibenzyl trisulfide on breast cancer cell lines derived from African American patients and on cytochrome P450 1 enzymes, 21st CAS Conference, Kingston Jamaica, November 27–30, 2018.

- **Morrison S., Watson, J., Porter R., & Delgoda R.** The potential chemo-preventive value of a prenylated flavonoid isolate of Jackfruit, 21st CAS Conference, Kingston Jamaica, November 27–30, 2018.
- **Picking D.,** The value of medicinal plants. Jamaican Horticultural Society, Kingston Jamaica, September 29, 2018.
- **Picking, D.,** Vandebroek, I., Medicinal plant knowledge in Portland and Kingston, Jamaica: An historic comparison. 60th Annual Meeting of the Society for Economic Botany: The Future of Forests. University of Cincinnati, Ohio USA, June 2–6, 2019.

### Other Presentations

- **Wauchope S,** “Evaluating the effect of fresh *Petiveria alliacea* L. on the viability of African American derived breast cancer cell lines and the mRNA expression of Cytochrome P450 enzymes”. Departmental Seminar, Basic Medical Sciences, October 4, 2018.
- **Foster K,** “Traditional use of *Annona muricata* among cancer patients in Jamaica and its anticancer potential”. Departmental Seminar, Basic Medical Sciences, October 11, 2018.
- **Morrison I,** “Characterizing the interaction of Artocarpin, an isolate of *Artocarpus heterophyllus* (Jackfruit) with CYP1 Enzymes”. Departmental Seminar, Basic Medical Sciences, October 18, 2018.
- **Picking D,** “Jamaican Traditional Medicine” Refuge Apostolic Temple, Maxfield Avenue, Kingston, Jamaica, November 29, 2018.
- **Picking D.,** Rose P., “Proposed plans for 2020 Joint conference in Kingston Jamaica to be held May 31– June, 2020” Committees of the Society of Economic Botany and the International Society of Ethnobiology, University of Cincinnati, Ohio USA, June 2–6, 2019.
- **Gutierrez C.,** López Mejía K., Nuñez Sandino I., Murrillo E., Orellana G., Chanquin S., **Francis S.,** & Alzate G., “Practical Manual for the Operation of an Insectary: *Aedes aegypti* Rearing Procedures and Basic Principles of Biosafety”. Zika AIRS Project – ZAP. Abt Associates, Rockville, Maryland USA. Document presented to Ministries of Health in the Caribbean and Latin American Region, as part of USAID funding to reduce mosquito diseases in the region, 2019.
- **Wauchope S.,** “Evaluating the Possible Anticancer and Chemopreventive Potential of *Petiveria alliacea* L. in Breast Cancer” PhD Transfer, Department of Biochemistry. February 14, 2019.
- **Delgoda, R.,** “Natural Products Institute, UWI”, Emerging Leaders Canada Dialogues’, Duke of Edinburgh, Canada, March 28, 2019.

- **Attallah O.**, “Secondary Metabolites Profiling of Governor Plum (*Flacourtia indica*) and their Potential Anti-Oxidant and Anti-Proliferative Properties”, Department of Basic Medical Sciences, March 21, 2019.

#### **Public Seminar Organized**

- “Minimizing Mosquito Mayhem Science and Solution” hosted by the Natural Products Institute & the Department of Life Sciences, Science for Today free public forum, Faculty of Science and Technology UWI, February 28, 2019.

#### **PUBLICATIONS**

- **Picking, D.**, Chambers, B., Barker, J., Shah, I., Porter, R., Naughton, D., & **Delgoda, R.** (2018). Inhibition of cytochrome P450 activities by extracts of *Hyptis verticillata* Jacq.: Assessment for potential Herb-drug interactions. *Molecules*, 23(2), 430.
- McNeil, M. J., Porter, R. B., Rainford, L., Dunbar, O., **Francis, S.**, Laurieri, N., & **Delgoda, R.** (2018). Chemical composition and biological activities of the essential oil from *Cleome rutidosperma* DC. *Fitoterapia*, 129, 191–197.
- Vandebroek, I., **Picking, D.**, Aiken, S., Lewis, P. A., Oberli, A., Mitchell, S., & Boom, B. (2018). A Review of Coralilla (*Antigonon leptopus*): An Invasive and Popular Urban Bush Medicine in Jamaica. *Economic botany*, 72(2), 229–245.
- Nwokocha, M., Romero, C.A., Holder, C., Whyllie, N., Wong, H., Lietch, J., Wilks, R., Hosang, M., **Francis, S.**, Brown, P.D. & Paul, T., 2019. Blood Pressure Screening Campaign in Jamaica: May Measurement Month 2017. *American journal of hypertension*. <https://doi.org/10.1093/ajh/hpz117>.
- **Picking D., Delgoda R., & Vandebroek I.**. “*Traditional knowledge systems and the role of traditional medicine in Jamaica.*” CAB Reviews (accepted for publication 31st July 2019).

#### **Technical Reports**

- **Delgoda R., Robinson D., & Lindo J.** Mosquito Control and Research Unit (Terms of Reference) in collaboration with Ministry of Health, 2019.
- **Delgoda R. & Picking D.** Food and Drug Act led by the National Commission of Science and Technology, Subcommittee in National Nutraceutical Industry, 2019 – amendments on-going.

## INCOME GENERATION

### Grants

- Morrison I., Wauchope S., Foster K & Delgoda R, “Investigating anti-cancer and chemopreventive properties of seven Jamaican natural extracts and phytochemicals”, Ministry of Health Research Grant Awards (J\$1.5M), 2018–2019.

### Other Awards

- Francis S. & Delgoda R., equipment and reagents for the UWI Insectary, USAID/ZIKA project (US\$30,000), 2019.

## PUBLIC SERVICE

### Rupika Delgoda

- Deputy Chair, Natural History Museum of Jamaica
- Member, Steering Committee, National Nutraceutical Industry, Jamaica
- Board member, Jamaica Conservation Partners
- Member, Cannabis Research and Development Evaluation and Monitoring Committee
- Member, African Caribbean Cancer Consortium
- Secretary, International Society for the Development of Natural Products
- Member, International Society for Study of Xenobiotics
- Member, American Society for Pharmacognosy

### Sheena Francis

- Board Member, Caribbean Diaspora for Science, Technology and Innovation (CADSTI)
- Organiser for Sagicor Visionaries Competition
- Member, American Society of Tropical Medicine and Health
- Member, Caribbean Academy of Sciences
- Member, Jamaica Organic Agriculture Movement
- Jamaican Young Scientist Forum
- Member, Caribbean Coastal Area Management Foundation



**David Picking**

- Chair, FST Cannabis Research Group
- Chair, organising committee, joint conference of Society of Economic Botany (SEB) and International Society of Ethnobiology (ISE) to be hosted by UWI 31st May–4th June 2020
- Member of the campus wide working group (TWG) for Diversity, Equity and Inclusion
- Contributing Member, Steering Committee, National Nutraceutical Industry, Jamaica
- Board of Directors, Perishables Jamaica
- Board member, UJIMA Natural Farmers Market
- Shareholder, South Manchester Herbs and Spices Multi-purpose Cooperative Society
- Member, Society for Economic Botany
- Member, Society for Medicinal Plant and Natural Products Research (GA)
- Collaborator, New York Botanical Garden (NYBG).

**Trevor H. Yee (Retired, honorary member)**

- Treasurer, the International Society for the Development of Natural Products (ISDNP)
- Executive Committee, the Natural History Society of Jamaica (NHSJ).

# FACULTY OF SOCIAL SCIENCES

## Mona

Year ending July 31, 2019



**PROFESSOR DAVID TENNANT**  
**B.Sc. UWI, MA, Ph.D. *Manchester***  
**DEAN**

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# *Dean's Overview*

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## **LEADERSHIP CHANGES**

**T**his academic year, 2018–19, the Faculty of Social Sciences welcomed Professor David Tennant as the new Dean, after saying farewell to Professor Ian Boxill who served as Dean for two years. Professor Tennant had previously served as Head of the Department of Economics for two years, and was succeeded temporarily in Semester 1 by Dr Marie Freckleton and more permanently, in Semester 2, by Dr Nadine McCloud Rose.

## **POSITIONING THE FACULTY IN 2018–19**

The Faculty began the 2018–19 academic year with its Annual Faculty Day under the theme “Dive In”, with the main goal being to foster a singleness of purpose in all aspects of faculty operations and to build team spirit. The Dean presented an approach to the operations of the Faculty guided by: principled professionalism; practicing what we teach; and practical partnerships. He also committed to strategic medium and long-term planning guided by institutional research.

Consultations following Faculty Day led to the formulation and adoption of a three-year faculty-level strategic plan with the overarching goal to improve the student experience, research, advocacy and staff morale in the Faculty of Social Sciences. This plan aims at fulfilling AC3 by improving the student experience through improved physical facilities, increased responsiveness to students’ needs, and increasing the work and life-readiness of FSS graduates. It also addresses AG4 by improving the psychosocial and physical working conditions for staff, and by designing and implementing continuous improvement and strategic planning in the Faculty. Further, to fulfil AC4 and AL1, the plan addresses support for research and advocacy by supporting research aligned to the Triple A strategy, active engagement in public discourse on matters of national and regional importance to demonstrate the relevance of the FSS and to enhance its reputation as a premier producer of research, and providing case-specific guidance to the public and private sectors in areas related to the social sciences. As the year progressed, the plan led to the formulation of approximately 30 initiatives primarily addressing AC3, AC4, AL1 and AG4. The Faculty initiated its monitoring

and evaluation mechanism prototype in February 2019, and continued testing the methodology throughout the year.

Commencing in Semester 2, 2018–19, the Faculty of Social Sciences conceptualized its FSS-REACH Vision, and launched several additional initiatives. The acronym REACH represents the following: R – Realizing impact through research; E- Exceeding the expectations of our students and other stakeholders; A – Actively advocating for inclusive, sustainable development; C – Committed to being caring professionals; H – Harnessing our skills through continuous improvement and empowerment. On February 14, 2019, the Dean, in adopting a bottom up approach met with all FSS Administrative Technical and Service (ATS) Staff members with the aim to receive feedback and build momentum towards unity around an agreed set of ideals and processes for change. The vision was also presented to and accepted by academic staff members at a Faculty Board meeting in May 2019. While the strategic plan outlines the Faculty's plans and presents specific initiative drivers, the FSS-REACH Vision is intended to focus on the 'how', which is the renewed approach to be taken towards the work in the Social Sciences. The FSS-REACH Concept Note outlined the 4-Pronged Strategy to achieve FSS-REACH, hinging on initiatives for People, Performance, Processes and Planning, as well as 12 sub-goals and 37 initiatives. These initiatives were examined and supported at a Standing Committee Retreat, held in June 2019.

## **PROMOTIONS**

The Faculty congratulated Dr Eris Schoburgh and Dr Lloyd Waller who were promoted to the rank of Professor.

## **ACCESS**

## **STUDENTS**

### **AC1: To be a university for all**

#### **Student intake and throughput**

The FSS continues to attract numerous applicants annually. This year, the undergraduate student intake was just over 2,800 students. Due to the large demand for its programmes, and a physical plant that has not changed significantly over the past ten years, the FSS faced severe physical space constraints. This led to active consideration of capping the undergraduate student intake for 2019–20. The number of graduate students admitted into FSS programmes declined from 853 to 672, partially due to a few programmes not being offered this academic year. Overall, the FSS admitted 3,512 students into its programmes.

Throughput remains good, with 1,093 students graduating with BSc degrees and 391 students graduating with higher degrees. Six students successfully defended their doctoral theses during the academic year (four DBAs and two PhDs), with two being recommended for the award of high commendation. A significant number of our undergraduate students also achieved very high standards of performance, with 288 students being included on the Dean's list in semester 1, and 386 in semester 2.

### **International exchanges**

The Faculty facilitates several opportunities for exchange, both for students and staff. These opportunities increase reciprocal exposure in the international marketplace for higher education.

Dr Hauwa Mahdi, a Nigerian-Swede scholar at the University of Gothenburg visited the Department of Sociology Psychology and Social Work (DSPSW) in semester 1, and made presentations at various classes. Her work focuses on gender, development and human rights. As part of the ongoing programme, Dr Jorgen Hellman, Swedish anthropologist at the University of Gothenburg, visited DSPSW in March, 2019.

The Mona School of Business and Management (MSBM) also hosted a group of 13 students from Clayton State University, as part of the Study Abroad component of their programme. The students were accompanied by Professor Alphonso Ogbuehi, and they participated in lectures, site visits and cultural experiences. Further dialogue will be had with Clayton State University with a view to extending this partnership. In a similar vein, a team of faculty members from the MSBM visited the Florida Atlantic University (FAU) College of Business to explore an opportunity to form a collaborative partnership in areas of faculty exchanges, research collaboration, and study abroad programmes.

One professor and 8 students from University College of Utrecht were hosted by the Psychology Unit in collaboration with the Department of Community Health on October 19–28, 2018. The unit is collaborating with the College to formalize the exchange in a course, and to possibly allow UWI students to visit Utrecht. Further, the Psychology Unit hosted Dr Darrell Hull of the University of North Texas, as the recipient of the International Faculty of J. William, Fulbright Foreign Scholarship. Dr Hull joined the department for one semester, and supported research productivity efforts through workshops and projects. He was accompanied by two of his final year PhD students, who, in addition to attending the workshops, offered statistical assistance to researchers in the Behavioural Sciences cluster.

Two undergraduate students in the Social Work Unit, Ms Nageorgeia Campbell and Ms Anna Kay McIntosh, had the opportunity to travel with Dr Claudette Crawford-Brown to the University of Applied Sciences, Utrecht, in the Netherlands to interact

with social work student leaders on a 'Netherlands Project' which examined Human Trafficking in Jamaica.

### **AC3: IMPROVING THE QUALITY OF TEACHING AND LEARNING AND STUDENT DEVELOPMENT**

#### **Orientation Innovations**

Enhancements were made to the Dean's welcome ceremony for undergraduate students through live streaming technology, accommodating over 600 students. In addition, there was streaming on the YouTube platform and FSS Social Media platforms. There was also heightened attention on the departmental orientation sessions and on individual and small group academic advising sessions, which were well received by the students. The Faculty launched an essay competition on the topic "The UWI at 70: The Relevance of a University Education in the 21st Century Workplace". Ms. Maia Labastide, the competition winner, presented her paper at the Dean's welcome ceremony.

For research students, the Dean along with the Associate Dean and Heads/Directors, hosted a meet-and-greet session under the theme "Research challenges? Let's hear from you", aimed at engaging students in discussion about the research process and how it may be improved. This session was well-received and resulted in the development of a Research Refresher Seminar Series offered in 2018-19 to support students in their research process. The series consisted of six seminars namely: Designing the study; What it takes to do original research; Success Stories; Qualitative research: Can anything be data; Writing a successful ethics proposal; Structural Equation Modelling: the basics. Feedback also led the Faculty to share supervisory guidelines for doctoral candidates with all supervisors and students in research programmes. That meeting also resulted in a quiet space for working on theses called the "FSS Writing Room" being made available to all FSS research students on Tuesdays 9:00am to 4:00pm and on Saturdays from 9:00am to 4:00 pm. Communication with this student group significantly increased this year, with the use of an e-mailing list; students were kept abreast of faculty seminars and other campus-wide events. Further, some of these students benefited from OGSF sponsorship to attend an Item Response Theory Workshop offered by DSPSW.

#### **Improved Physical facilities to enhance course and programme delivery**

Efforts to improve the FSS student experience also saw the Faculty making significant strides in renovating some of its learning spaces, including Blocks F and G of the Alister McIntyre Complex (AMC), Aqueduct Flats A, installing a standby generator to prevent disruptions to work, purchasing 60 additional computers for FSS student

computer labs, roof repairs to SR4, and purchasing of multimedia equipment for lecture rooms. FSS has also completed an accessibility audit and initiated efforts to increase accessibility for persons with disabilities.

Note however, that while undergraduate enrollment in the FSS has increased by 45% over the past ten years, the physical plant of the Faculty has not increased over that period, and has actually declined, with the loss of some space due to the issues in the AMC. This has forced us to rely on the goodwill of other faculties and departments in utilizing spaces outside of the FSS, resulting in the offerings of the faculty being highly scattered. Even with these efforts, the physical capacity of the FSS is severely strained. It was previously agreed that the only viable solution to this problem is the construction of a new FSS building. In the previous academic year, plans for such a building were prepared. The estimated cost was, however, viewed as infeasible.

In this academic year, the FSS worked with the Campus Projects Office to have a space audit completed. This thorough audit considered current and projected student and staff numbers to accurately determine the space needs of the faculty. Based on the results of the audit, new, preliminary plans for an FSS building have been proposed. The rough estimates for construction of this building are significantly lower than those previously projected, with the design allowing for a phased approach to construction. This proposal will be presented to the Campus in 2019–20, with a view to seeking the necessary funding.

### **New and revised programmes and courses**

To better serve our students with relevant products, a Diploma in Hospitality Management was newly offered in 2018–19 by the Center for Hotel and Tourism Management. The Master in Business Administration (MBA) Programme was revised and restructured with a view to maintain consistency with global best practices and to ensure the Mona School of Business and Management's (MSBM) continued accreditation from the Association of MBAs (AMBA). The revision process considered recommendations from the AMBA, as well as from a benchmarking exercise. Additionally, SALISES began the process of converting the MSc Development Studies to online delivery.

The MSBM signed an MOU with the Human Resource Management Association of Jamaica (HRMAJ). The purpose of the MOU is for the two entities to collaborate on certification of professional developmental courses, which are aligned to internationally recognized standards. It is also hoped that this collaboration will lead to further research in human resource management. The Faculty also supported the Mona School of Business and Management (MSBM) in their joint venture with the Department of Physics to propose and establish a minor in Renewable Energy Management. This minor will be available to students in Semester I, 2019–20. The

programme objectives are to explore areas of marketing, economics and business in relation to energy management. It is intended to equip students across a variety of disciplines with knowledge and skillsets to be able to evaluate renewable energy.

The Faculty, through the Department of Economics, approved the adoption of four Economics courses which were already on offer at the St Augustine Campus. The four courses are: Urban and Regional Economics; Energy Economics; Health Economics: Theory and Policy; and Labour Economics. These courses will be offered at Mona in the 2019–20 academic year. The rationale for including these courses in the Department of Economics' offering is to bring a wider and more practical application to the study of economics.

The Faculty also approved three courses which were developed by the Centre for Disability Studies. The courses are: DBST 1000 – Understanding Persons with Disabilities; DBST 2000- Disability, Law and Society; and DBST 3000 – Disability and Development. The courses were designed for students to be able to: explore fundamental issues faced by persons with disabilities; gain insights regarding the development of legislation and treaties and how they impact the lives of persons with disabilities; and, to explore the development and role of modern technology in the empowerment of persons with disabilities. These courses will be on offer in 2019–20.

### **Work-readiness of graduates**

FSS has also launched initiatives to improve the work-readiness of its graduates, including a seminar entitled *Dollars and Cents – Rising above Financial Hardship* which was held on March 14, 2019. It aimed to equip students with the necessary financial information to make wise decisions while at the UWI and in their lives after university.

The Department of Government incorporated a number of guest lectures in three of their courses to increase exposure of students to industry players: GOVT 1008 – Introduction to International Relations; GOVT 3048 – Contemporary International Relations of the Caribbean and GOVT 3070 – Good Governance and Global Corruption. Notable among these were guest lectures by Mr Andrei Bennett, Attorney at Law, who lectured on “Public Procurement and Financial Management as an important anti-corruption mechanism”, and, Mr Dalton Myers, Sports Administrator, on “Corruption in Sports”. DGOV also launched its Society of Future Policy Leaders (SFPL) in March, 2019. Further, His Excellency Asif Ahmad, British High Commissioner to Jamaica, hosted 10 students of International Relations in March 2019 for a discussion on UK-Jamaica relations and British Foreign Policy. The students also learned about diplomacy and reported that this was an engaging activity and an immersive way of connecting theories studied in class with practical experience of foreign policy formulation and analysis.



Many students benefited from exposure to scholarly work through participating in conferences. For instance, eight psychology students accompanied by their lecturers, Dr Gillian Mason and Dr Tracy McFarlane, attended the Caribbean Alliance of Psychological Associations (CANPA) Conference held in Kingston, November 13–16, 2018 under the theme “Transforming Psychology: Embracing Caribbean Realities”. The students successfully presented papers which were well received.

The MSBM continues to lead teams in the UWI Vincent HoSang Venture Competition (UWIVC). Five teams represented UWI at the National Business Model Competition (NBMC) – Ja Bio Plastics, Pree Labs, Carib Voxx, Align and ReRoute – at the final round of the competition on March 22, 2019. The MSBM provides the teams with mentorship, training and support. These students competed against 13 other teams across four universities – UWI, Northern Caribbean University, University of Technology Jamaica and Edna Manley College of the Visual and Performing Arts. The UWI placed 1st and 3rd in the competition, with two of the five student-entrepreneur teams securing a combined cash prize of J\$2.5 million. The 1st place prize went to Team JA Bio Plastics. This is the 2nd consecutive year that UWI has won the Competition.

### **Student query process improvements**

The Social Sciences Faculty Office engaged in numerous activities designed to improve responsiveness to student queries. This included the documentation and mapping of the processes adhered to when such queries are received. The plan is to re-engineer these processes to facilitate improved efficiency and to develop and enforce minimum acceptable standards of performance. Emanating from that exercise was the training of a significantly increased number of administrators to deal with student requests. This has led to more effective and timely processing of such requests.

In July 2019, administrators from the Social Sciences Faculty Office carried out a two-day training exercise at the Western Jamaica Campus (WJC) for WJC staff. The training was designed to address the need to improve the level of administrative efficiency at the WJC. The Training sought to cover the rudiments and practical applications of the Automated Student Request System (ASRS) which was set up to aid students who may need to apply for various requests. All WJC administrators were trained as Request Handlers. The training was in-depth and time was taken to go through and solve some actual cases. It is hoped that with this training, the efficiency of dealing with student concerns at the WJC will be improved. Similar training was conducted for a staff member from the Centre for Hotel and Tourism Management (CHTM), which is located in the Bahamas.

## **Marketing initiatives**

In January 2019, the MSBM significantly enhanced its marketing efforts by launching an integrated, multi-channel advertising campaign. Several tools and strategies were employed, featuring several well-known industry leaders as well as alumni who are young and rising leaders. The MSBM also hosted a Webinar and two Information Sessions in Kingston and Montego Bay as part of the Campaign. These events saw more than 300 hundred young professionals in attendance, the main purpose being to promote the range of globally competitive post graduate degree programmes available at MSBM including the Internationally Accredited MBA.

## **RESEARCH AND CONSULTANCY SERVICES**

### **AC4 – Improving the quality, quantity and impact of research, innovation and publication**

#### **Research Support and Clusters**

The FSS has continued to emphasize the importance of high-quality impactful research by encouraging and supporting the work of its academics and research students. In addition to the financial support and teaching relief that would have been provided at the departmental level, the Social Sciences Faculty Office has provided approximately J\$1m in financial support to colleagues' research projects, and has assigned 47 student assistants to colleagues for research duties. Additionally, a proposal has been written for an institutional research project to examine the Factors affecting Research Productivity in the FSS and FST. The proposal has received Ethics approval and will commence in the 2019–20 academic year. The results of this project are expected to guide planning initiatives in the FSS as to the most effective means of increasing research output.

The faculty currently has seven active research clusters in the areas of: Crime Prevention and Offender Management; Migration and Development; Social Policy; Sustainable Rural Agricultural Development; Youth; Economic Development Policy; and Behavioural sciences.

#### **Conferences**

The MSBM hosted its fourth annual conference under the theme: “Delivering on the promise of entrepreneurship: critical perspectives on research, practice and thinking in the fourth economy”. The conference took place over three days and examined the transformative effect of entrepreneurship. There was noticeable participation from the business and financial sectors, small businesses, cultural and creative entities and youth groups.

The Department of Economics hosted another successful staging of the annual West Indies Economic Conference (WECON), March 21–22, 2019 at the UWI Regional Headquarters. Over the one and a half days, 30 papers were presented, and there were participants from 11 countries and 12 universities. Approximately 73 persons were in attendance, including representatives from the public and private sectors, students and colleagues from other tertiary institutions, our graduate and undergraduate students, and colleagues from across the UWI. Jeffrey Wooldridge, Distinguished Professor of Michigan State University gave the keynote address entitled, “Regression Adjustment in Experiments with Heterogeneous Treatment Effects.”

The SALISES’ 13th Annual Caribbean Child Rights Conference was held in St Augustine for the first time on November 15–16, 2018. Professor Aldrie Henry-Lee presented on the topic “Invisible Sufferers: Children and Female Incarceration”; Dr Dacia Leslie presented on “Children Left Behind Due to Parent Incarceration”, and Ms Nicole Thwaites presented on “Child Rights and Wellbeing in Trinidad and Tobago: A Critical Interpretation of Insights from Parents and Teachers”. A number of high schools in Jamaica responded to the call for papers for the Child Rights Research Paper Competition and Demoy Lindo from Denbigh High School was the winner. The SALISES also held its 20th Annual Conference in May 2019 under the theme “Rethinking Caribbean Futures; New Paradigms, Possibilities and Policies”. The Conference was held in Barbados.

The Department of Government collaborated with the Office of the Prime Minister and held a conference in Montego Bay entitled “Governance for Tomorrow: Connecting Innovation, Politics, Policy and Sustainable Development”. The conference brought together a large contingent of stakeholders from various sectors including academia, justice, business, tourism, media, NGOs, and youth and community groups.

### **Reaching an International Audience**

To illustrate the extent to which the research output of the FSS is having an international impact, the following are provided as a very small sample:

- Professor Aldrie Henry-Lee presented her research on “Women in prison and the impact on their children” at the Vance Centre for International Justice Conference in Bogota, Colombia, held under the theme “Women in Prison: evidence, advocacy and reform”.
- Dr Natalie Dietrich Jones presented at the Coordinadora Regional de Investigaciones Economicas y Sociales (CRIES) Third Regional Workshop “Responses to the Venezuelan Crises” in Panama, September 2018. Her presentation was entitled “The impact of the Venezuelan Crisis on the Caribbean”.
- Dr Lisa Vasciannie, made a presentation in a Forum of reflection to mark the 70th Anniversary of the Organisation of American States (OAS).

- Dr Nadine McCloud Rose accepted an invitation to be a member of the editorial board of the *Journal of International Trade and Economic Development*.

### **Scholarly knowledge outlets**

In celebration of the UWI's 70th Anniversary, the Psychology Unit of the SPSW in collaboration with the Office of Graduate Studies and Research and the Board for Graduate Studies and Research, published a special issue in its Caribbean Journal of Psychology (CJP). The CJP provides a forum for academic scholarship and discourse and addresses topics of interest in the contemporary Caribbean society. The journal focuses on using a multidisciplinary approach to examine human behaviour and as such, integrates sociology, psychology, social psychology, history and poetics to investigate the Caribbean human experience. CJP was first published in 2004, and is currently published by the UWI Press.

### **Research Days contributions**

The FSS contributed heavily to Research Days 2019, as summarized below:

#### **Research for Development booklet highlights, Research Days 2019**

- The regional disability index, Center for Disability Studies.
- The Venezuelan migration crisis: Implications for small island developing states in the Caribbean, SALISES.
- Culture, change management and public sector transformation, DSPSW.
- Sustainable development goals in Jamaica: leaving no one behind, SALISES.
- Resilience-building intervention programme for GSAT students in August Town, DSPSW.
- Diaspora entrepreneurial ecosystems: opportunities for diaspora engagement in the Caribbean, MSBM.

#### **Research Days 2019 sessions including FSS researchers:**

- DGOV TEDx Talk
- FMS Cannabis Forum: Cultivating a New Industry
- FOL Strengthening Governance in Public Sector Companies: Beyond Petrojam

#### **Research Days 2019 press interviews/coverage**

- JIS Think Tank, NewsTalk 93, RJR FM – Dr Arlene Bailey
- JIS, The Gleaner – Dr Dacia Leslie
- Jamaica Observer – Dr Delroy Chevers

- NewsTalk 93 – Mr Orin Spence

The Campus has recognized and awarded the FSS for its contributions to research, including:

***Best Research Publication***

- Dr Alrick Campbell – Department of Economics
- Professor Edward Gharthey – Department of Economics
- Dr Lisa Vasciannie – Department of Government

***Most Outstanding Researcher***

- Dr Delroy Chevers – Mona School of Business and Management
- Dr Indianna Minto-Coy – Mona School of Business and Management

***Research Project Attracting the Most Research Funds***

- Dr Jimmy Tindigarukayo, Dr Arlene Bailey, Professor Aldrie Henry-Lee (and collaborators)
- Sir Arthur Lewis Institute of Social and Economic Studies (SALISES)

***Research Project with the Greatest Business / Economic / Development Impact***

- Sir Arthur Lewis Institute of Social and Economic Studies Project: “Government of Jamaica (GOJ)/United Nations Development Programme (UNDP) Study on the Sustainable Development Goals”

***Principal's Award for Research to Public Policy***

- Dr K’adamawe K’nife – Office of Social Entrepreneurship, Mona School of Business and Management

**OUTREACH PROGRAMMES**

The FSS was engaged in numerous outreach activities focused on surrounding communities and on more broad efforts at public engagement. SALISES adopted the Kintyre Basic School as one of its community outreach programmes and raised \$65,000 which is to be used to purchase printing material. The Dean’s office adopted the Sophie’s Place Children’s Home located in Gordon Town. Staff members visited with the children and presented gifts to the children and staff members.

In November 2018, Dr Gillian Mason (DSPSW) participated in a continuing educational training workshop for Medical Officers, where she presented on the topic, “Sexual Minorities and access to health care”.

Dr Jan Keil from the Department of Economics, wrote a series for the Financial

Gleaner. Dr. Andre Haughton from the Department of Economics wrote a weekly briefing series for the Gleaner, addressing a variety of economic and socio-economic issues. Similarly, Dr Orville Taylor from the DSPSW continued to produce four columns monthly on relevant issues for the Gleaner and remains host of the Radio Jamaica Hot line programme on Wednesdays.

Throughout the year, numerous outreach activities were carried out at our Western Jamaica Campus and in and around the Western Region. The DSPSW hosted a public lecture for the community entitled “Where is my tablet? Raising Children in a Technology Era”. Faculty members also presented at a forum on “Promoting Emotional Intelligence in Adolescents” to approximately ninety (90) secondary school teachers at the Irwing High School in Granville St James. The Psychology Unit at WJC also began a four-part public lecture series on parenting.

A Jamaica International Chapter of the International Association of Eating Disorders Professionals has been established in the DSPSW. The International Association of Eating Disorders Professionals is one of the leading bodies worldwide in providing training for eating disorder specialists. IAEDP has asked Dr Caryl James Bateman to chair the Jamaica Chapter.

## **ALIGNMENT**

### **AL1: Promote greater activism and public advocacy**

#### **Disaster Risk Reduction and Resilience Research**

The FSS in collaboration with the Jamaica Red Cross hosted a Symposium in September 2018 under the theme “Humanitarian Action through Partnership and Research in Support of Disaster Risk Reduction and Resilience”. Notable attendees from industry included: Major Errol Alliman, Former Chairman, Emergency Services, Jamaica Red Cross; Major Clive Davis, Director General, Office of Disaster Preparedness & Emergency Management (ODPEM); Dr Hossam Elsharkawi, Vice President, International Operations, Canadian Red Cross; Mrs Gloria Goffe, Executive Director, Combined Disabilities Association; Mrs Josephine Shields-Recass, Head, Country Cluster Support Team, IFRC; and Colonel Mahatma Williams, Colonel General Staff, Jamaica Defence Force. At this event, the FSS Disaster Risk Reduction and Resilience Research Initiative was launched. Dr Dennis Edwards was assigned as the Lead of FSS DRRRI.

#### **Advocating for Persons with Disabilities**

The Director of the UWI Centre for Disability Studies (UWICDS), Senator Dr Floyd Morris, made three major presentations to groups in Trinidad and Tobago, advocating on issues for persons with disabilities. Two seminars were conducted at the United

States Embassy in Port of Spain with leaders of non-governmental organisations catering to persons with disabilities and leading policy makers and civil servants in the Government of Trinidad and Tobago. At these two seminars, the Director, *inter alia*, appealed for a unified approach towards advocacy for the non-governmental organisations catering to persons with disabilities.

### **Aligned Graduate research**

FSS graduate research students continue to produce industry-relevant theses, including:

- PhD Social policy dissertation: Non-Farm Rural Enterprise and Rural Development in Jamaica: An Evaluation of the Development Effectiveness of Selected Rural Enterprise Intervention.
- PhD Social policy dissertation: An Analysis of the Housing Market in High Growth Tourism areas of Jamaica.
- Doctorate in business administration dissertation: Perceived Quality of Management and Employee Innovative Work Output: The Serial Multiple Mediation of Employee Autonomous Motivations and Employee Innovative Work Behaviour.
- Doctorate in business administration dissertation: The Determinants of Early Stage Mergers and Acquisitions (M&A) Performance: A Case Study of Caribbean Practitioners.
- Doctorate in business administration dissertation: An Empirical Investigation of the Role and Impact of Public Debt on the Financial System and its Effect on Business Development and Growth in Small Open Economies.
- Doctorate in business administration dissertation: Entrepreneurial Inclinations, Factors and Barriers to Business Start-Ups.
- Doctorate in business administration dissertation: Navigating Uncertainty: Examining the Impact of Corporate Governance on Strategic Risk Taking and Firm Value.

### **Aligned Public forums and seminars**

- FSS academics also provided critical research-driven analysis and recommendations on Caribbean issues at its many public forums and seminars. A small sample is highlighted below:
- SALISES: Migration and Development Cluster and Launch of SALISES/National Library of Jamaica Windrush Exhibition.
- MSBM: Reasoning with CEOs Series by MSBM: Yaneek Page, Managing Director, Future Services International.

- SALISES: Our youths are the future? The suicide challenge and realising SDG 3
- ECONOMICS: Do elite schools matter? Empirical evidence from Jamaica.
- SALISES and ECONOMICS: The 2019/2020 Budget – Prosperity or Progress? Panelists included: Mr Mark Golding, Opposition Spokesman on Finance and Planning; Mr Raul Pinnock, Finance Executive, Barita Investments; Dr Christine Clarke, Lecturer, Department of Economics and Dr Kevin Williams, Research Fellow, SALISES.
- MSBM: in association with Victoria Mutual Wealth Management (VMWM) – Post Budget Forum in March, 2019. Industry speakers included: Allison Peart, Country Managing Partner & Tax Partner, EY, Jamaica; and Rezworth Burchenson, Chief Executive Officer, Victoria Mutual Wealth Management.
- SALISES & FSS: Forty Years After – Reflections on and Implications of the Grenada Revolution.
- DGOV: in collaboration with the British High Commission – Panel discussion under the theme “The United Kingdom (UK) and Jamaica: Regional Implications for Policy Makers”. The panelists were: Mr Hugo Shorter, UK Foreign and Commonwealth Director for the Americas; His Excellency, Asif Ahmad, British High Commissioner to Jamaica and the Bahamas; Dr Lisa Vasciannie head of the International Relations Unit, Department of Government and Ambassador Richard Bernal, PVC Global Affairs, UWI.
- MSBM: in collaboration with the Centre for Entrepreneurship Thinking and Practice and the International Centre for Not-for-Profit Law – Workshop entitled: “Blurred Lines and Tough Choices – Jamaica’s Complex Legal Environment for Civil Society Organizations and Social Enterprises.”
- MSBM: in collaboration with the Ministry of Science Energy and Technology and the World Bank – Open Data Literacy Boot Camp.

### **Selected contributions to government legislation**

Dr K’adamawe Knife provided technical and research support for the MSME policy committee which resulted in the tabling of a new policy in the Houses of Parliament in July 2018.

Dr Taylor was invited to present and make suggestions to the Joint Select Committee of the Jamaican Parliament to examine the Occupational Safety and Health Bill on March 28, 2019.

### **Student involvement**

The FSS has made efforts to increase the level of our students’ involvement in topical



public matters. The first FSS Public Square Forum was held on February 28, 2019. Dr Peter Phillips, Leader of the Opposition was the main speaker for the event. This venture is designed to increase the FSS' efforts at advocacy and overall visibility to the broader society and to give students and staff an opportunity to be engaged in vigorous discourse on topical issues.

It is also noteworthy that the Mona Association of Post-graduate Students Debate team consisted of only postgraduate students from the Department of Government. They were the 2019 champions of the UWI Inter Campus Post Graduate Debate Competition. The debaters were accompanied by their coach, Ms. Kemesha Kelly, Lecturer in the Department of Government. Further, the Department of Government's Governance Society hosted a public conference entitled, 'Preparing Youths Conference', at the St Catherine High School. One of the notable invited speakers was the Hon. Floyd Green MP.

### **ACADEMIC/INDUSTRY RESEARCH PARTNERSHIPS**

FSS collaborates with multiple partners in industry through its various DISCs. The Social Work Unit in DSPSW collaborated with the National Housing Trust (NHT) through student assignments in NHT communities to assist community research and project development.

Part of the MSBM's mission is to "foster innovation for the positive transformation of Caribbean enterprises through the development of world-class business professionals and research-based solutions". To this end, they partnered with approximately 20 companies in Kingston and Montego Bay to provide practical solutions to business problems, through the MSBM Graduate Programme Field Project. Approximately 120 students from both the Mona and Western Jamaica campuses recently completed their projects through a partnership with both public and private sector companies across a range of industries including finance, aviation, marketing and information technology.

A book co-authored by Dr Lawrence Nicholson (MSBM) was used in the ceremonial bell-ringing at the opening of the day's trading at the Jamaica Stock Exchange in February 2019. The book, *Understanding the Caribbean Enterprise: Insights from MSMEs and Family Owned Businesses*, represents part of the output of the research being done by Dr Nicholson on family-owned businesses in the Caribbean.

The 10th MSBM Roundtable breakfast forum was staged in June 2019. It is a forum where senior Caribbean public and private sector leaders meet to discuss and find solutions for their most pressing problems through the engagement of international experts and academia in meaningful dialogue. The theme was "Agile Leadership for Digital Transformation", with the aim being to identify strategies for seizing

opportunities arising from the Fourth Industrial Revolution. Minister of Science, Energy and Technology, Fayval Williams, spoke at the meeting.

## **AGILITY**

### **AG4    CAMP**

#### **Improving Physical Working Conditions**

The second sub-initiative in the FSS Strategic plan focuses on improving staff morale, in line with the Triple-A Strategy's CAMP objective (AG4). The FSS' plan targets, *inter alia*, improved physical working conditions. This is important, because although the FSS staff numbers increased by 11% over the past ten years, the faculty lost significant office space during that period because of issues in the AMC. Efforts during this academic year focused on improving the physical working conditions of those most significantly dislocated. The successes included the renovation of block A in Aqueduct Flats to house the Psychology Unit, improvements to the office spaces for the Social Work Unit, and repairs to the floor in the Management Audit Building. The long-term solution to this issue will, however, have to involve the creation of additional offices spaces in the aforementioned new FSS building.

#### **Improving Psychosocial Working Conditions**

The FSS Strategic plan also targets improved psychosocial working conditions as a means of enhancing staff morale. There has been significantly increased transparency at the faculty level in the evaluations and promotions process. For the academics, there is now a lecturer representative on the FSS Evaluations and Promotions Committee. There are clear and widely circulated guidelines for promotion at all levels, and the faculty has sought to tackle the troublesome issue of how to deal with journals that are suspected to be predatory, through a Faculty Board approved policy on this matter. All HODs have also agreed to utilize the UWI system of annual appraisals to ensure that staff members receive clarity on job objectives, feedback on performance, and mentoring and support required for job effectiveness.

The FSS has also provided improved opportunities for training and staff mobility. For the service staff, training has been provided in computer literacy and exposure has been given to administrative roles. The faculty has also organized regular training workshops for administrative staff, and has supported job rotation to give administrative staff exposure to other functions, and open additional opportunities for them.

Approximately 40 administrators, service staff and academics have been trained in the Design Thinking approach, with the intention of having this approach spread throughout the faculty. Design thinking equips persons to have an innovative mind-

set to problem solving, where we listen to and bear in mind the needs of the client or end user, and where we listen to each other, recognizing that the best solution can come from anywhere in the organization. It is an approach that equips and empowers each person in the faculty to be innovative problem solvers, and not to be crippled by the challenges that are faced. The Design Thinking approach has already produced results, leading to the conceptualization and piloting of an Amazing FSS Survey and Talent Inventory designed to better understand and respond to FSS staff needs, and to empower staff to utilize their talents in the faculty.

### **Recognition and Appreciation**

The Faculty implemented the “FSS Recognition and Appreciation Initiative”. This is a system of merit and gratitude set out to acknowledge excellence in administration and customer service. The initiative was designed specifically for Administrative, Technical and Service (ATS) categories, to improve the psychosocial working conditions in the Faculty. The rationale is to engender an atmosphere in which employees are made more aware of their critical contribution to the strategic mission of the Faculty, Campus and University.

### **Professional standards**

On April 29, 2019, the Faculty hosted its inaugural forum on Professional Standards entitled “Managing Unequal Power Relations: Keeping it Appropriate...Making it Safe!” The forum was designed to provide an opportunity for clarification of expectations and to remind staff members of the procedures guiding professional standards of behavior in the University. The first installment of this Forum focused mainly on the issue of sexual harassment as it relates to both staff and students on the Campus. The facilitators included: Dr Debbie-Ann Chambers, Counsellor, University Counselling Services; Mr Davion Vassell, Attorney at Law, and Dr Alister Hinds, Director, Human Resources Management Division. Approximately 280 persons attended the session.

### **AG2 Financial health**

The Social Sciences Faculty Office Budget Monitoring and Finance Committee has been reconstituted to review all financial matters relating to the Faculty Office, to ensure strict adherence to the UWI Financial Code and to maintain financial propriety and prudence. The Committee meets monthly, reviews all expenditure of the Faculty below a certain threshold and approves expenditures above the threshold. Additionally, all staff applications for funding for research and conference attendance are processed through this Committee.

Approval for a new Associate Dean for Resource Mobilization and Partnerships was received for the 2019–20 academic year. Approval was also received for the hiring of

an Administrative Assistant to be responsible for marketing and resource mobilization to work in the SSFO. This position will also be filled in 2019–20. It is expected that these two positions will lead to greater revenue generation in the FSS through a variety of avenues, including grant writing, increased and more effective marketing of self-financed programmes, and partnerships with the private and public sectors.

This represents one tier of the FSS' plan for resource mobilization and utilization, developed in response to the Principal's challenge to do things differently in light of the financial constraints being faced by the UWI. This plan, called the Triple-C approach, focuses on Creating new revenue streams, Cutting unnecessary expenditures, and Conserving on the utilization of resources. The Triple-C plan was developed through a consultative approach in this academic year, with implementation to begin in 2019–20.

As part of an initiative by PVC Gift, the FSS Entrepreneurial Committee was also established with the aim of enhancing the ability of staff and students to take advantage of potential entrepreneurial opportunities. The committee is chaired by Dr David McBean, Executive Director, MSBM, and is comprised of representatives from all Departments in the Faculty and specially invited members from outside the University. The committee is intended to make the FSS more entrepreneurial in its outlook and to lead the Faculty's contributions to the wider University initiatives in this area.

The Faculty continues to explore ways in which it can enhance profitability. In this regard, the faculty continues to operate the revenue-generating Weekend School. Forty new students were registered in 2018–19, leading to a total of 116 students enrolled in the Weekend School. Efforts will be made in the 2019–20 academic year to increase the revenues earned from this programme through expanded offerings and enhanced marketing.

The HRD Unit of the DSPSW has developed a consultancy to market its courseware and psychometric testing services. Advice has been sought from the UWI's legal team regarding the best way forward.

The Faculty also sought and received approval from the Finance and General Purpose Committee (F&GPC) for an increase in the fees for graduate programmes offered at the MSBM. As such, all programme fees will now be denominated in US dollars in order to hedge against devaluation risk. Tuition fees for all MSc programmes as well as for the Master in Business Management (MBM) will be increased to US\$10,000 per annum, an average increase of US\$2,000 per annum. The MBA programme fees will be increased to US\$16,000, an average increase of US\$2,400. It is hoped that these increases, when combined with enhanced marketing of our programmes and efforts to reduce operational costs, will yield heightened profitability for the MSBM.

## APPENDIX



FSS REACH logo and tagline.



*PVC and Principal Dale Webber, FSS Dean David Tennant and members of the FSS participating in the REACH Tour Experience, August 2019*



## DEPARTMENT OF ECONOMICS

**Dr. Nadine McCloud-Rose, B.Sc., MPhil, UWI; M.A., Ph.D., Binghamton University**  
– Head of Department

### WORK OF THE DEPARTMENT

**D**uring the year under review, the Department undertook various activities geared towards the realization of the strategic objectives outlined in its 2017–22 strategic plan. These were centered on the University’s Triple “A” Strategic Plan. This was, however, a transitional year for the department given the different changes in leadership; in semester one, there was the abrupt departure of the Head of Department, Prof. David Tennant who was commissioned to serve as Dean of the Faculty of Social Sciences with effect from August 1, 2018. Dr. Marie Freckleton was subsequently appointed as Head of Department from August 1. However, she tendered her resignation with effect from December 31, 2018, due to medical reasons. As a result, Dr. Nadine McCloud-Rose was appointed to act in the post for the remainder of the academic year.

### Staffing

Dr. Kelly-Ann Dixon Hamil joined the department as a returning faculty member in August 2018. She completed her Ph.D. in Statistics at Purdue University, with specialization in Spatial Statistics with applications to Macrosystems Ecology. Dr. Andre Haughton was promoted to Snr. Lecturer and Mehmet Orhan was promoted to the rank of Professor. He joined the Department in 2017 as Snr Lecturer with specialization in Econometrics, Statistics, Macroeconomics, and Finance. During the academic year the department’s administrative office underwent some changes as well. Mr Terence Campbell, Snr Administrative Assistant I (Graduate coordinator), tendered his resignation with effect from June 28, 2019, as such, Mrs Jullaine Harris Allen was recommended to act in the vacant post. Subsequently Mrs Susan Grossette was transferred from the Faculty Office to the post of Administrative Secretary (undergraduate coordinator) which was occupied by Mrs Allen.



**Awards**

Dr. Alrick Campbell received the Principal's award for Best Research Publication in the Faculty of Social Sciences for his article titled, "Price and Income Elasticities of Electricity Demand: Evidence from Jamaica." In celebration of its 70th Anniversary, the University of the West Indies presented seven awards, for each decade of its existence, to alumni who have made significant contributions to their communities. Dr. Andre Haughton of the DoE won the award for the decade 1999–2008. Dr. Haughton was recognized for founding the Valley Foundation, a youth-based community organisation which provides mentorship for youth from disadvantaged communities in Jamaica. The Department received the Faculty of Social Sciences graduate teaching award for the academic year 2018–19. The department also received this award in 2017–18.

**Research Days**

As part of the UWI Research Days 2019 activities, the Department of Economics in collaboration with the Statistical Institute of Jamaica (STATIN) hosted an interactive display which focused on the issues of inflation and the inflation target. The interactive display showed how changes in the prices of items in a basket of goods impacted inflation. Visitors to the booth were able to select the percentage change for each item and the inflation rate would be calculated. A histogram showing the percentage change, along with the data table and pie charts showing the change in the percentage share for each item were also displayed.

**West Indies Economic Conference – WECON**

The Department of Economics hosted another successful staging of the annual West Indies Economic Conference (WECON), March 21–22, 2019, at the UWI Regional Headquarters. The conference was a resounding success. Over the one and a half days, 30 papers were presented, there were participants from 11 countries and 12 universities. Approximately 73 persons were in attendance, including representatives from the public and private sectors, students and colleagues from other tertiary institutions, our graduate and undergraduate students, and colleagues from across the UWI. Jeffrey Wooldridge, Distinguished Professor of Michigan State University gave the keynote address titled, "Regression Adjustment in Experiments with Heterogeneous Treatment Effects."

## INITIATIVES AIMED AT ENGAGING STUDENTS

### **Undergraduate**

The undergraduate committee embarked on various initiatives during the academic year. These activities were geared towards student-centeredness and outstanding customer service.

#### ***Orientation***

The orientation program was reassessed and revamped to ensure that the objectives of the department were being met and that it was well-received by the students. The orientation sessions were more interactive than previous years, and this gave students the opportunity to interact not only with each other but with academics during small breakout sessions. Tokens were given to students who actively participated in these sessions. Refreshments were also provided using a combination of department resources and sponsorships.

#### ***Academic Advising***

In preparation for the new academic year, registration documents such as a semester by semester guide and credit check forms were circulated to all incoming students along with registration instructions. All these information were sent to new students once they accepted their offers. This minimized the time that was focused on registration during the orientation. As a result, students came to orientation fully registered.

#### ***Required to Withdraw Students (RTW)***

In recognition of the special circumstances that are typically associated with students who are required to withdraw, the undergraduate committee invited these students to meet one on one with Dr Christine Clarke, Undergraduate Programme Coordinator and Mrs Susan Grossette to identify challenges that the students were facing in a bid to see how best these challenges could be addressed. This included special academic advising for these students. Students who were believed to be experiencing emotional challenges were recommended to the University Health Centre for the requisite counseling.

### **Graduate**

#### ***Graduate Math Camp***

The graduate math camp was introduced in the academic year under review. It is a two weeks refresher course in mathematics and statistics for incoming MSc. and Ph.D. students in the Department of Economics. It is geared towards preparing first-



year students for their work in economics. The camp is aimed at giving students the mathematical and statistical skills required to delve into the field of economics at the M.Sc. and Ph.D. levels and successfully master the theory courses in microeconomics, macroeconomics, and econometrics.

#### **PAPERS PRESENTED AT CONFERENCES AND SEMINARS**

- **Christine Clarke**, “Towards Developing an Index of Resilience for Small Island Developing States.” Jamaica Red Cross/UWI Faculty of Social Sciences Symposium, August 18, 2019.
- **Patrice Whitely**, “A” is for Attendance: The Impact of Class Attendance on Student Performance.” Aston Preston Hall, September 26, 2018.
- **Patrice Whitely and Nekeisha Spencer**, “Class Discrimination? Evidence from a Racially Homogeneous Labour Market.” St Augustine Conference on the Economy (COTE), October 17, 2018.
- **Jan Keil**, “Relationship Banking and the Administration of Loans.” Humboldt University (department-internal presentation), October 29, 2018.
- **Nadine McCloud** and Christopher F. Parmeter. “Calculating Degrees of Freedom in Multivariate Local Polynomial Regression.” 23rd Annual Meeting of the Latin American Meeting of the Econometric Society, Guayaquil, Ecuador, November 8–10, 2018 52 pages.
- **Nekeisha Spencer**, “Hurricanes and Household Welfare: The Role of Savings and Remittances.” 50th Annual Monetary Studies Conference, Barbados. November 6–8, 2018.
- **Andre Haughton**, “An Economic Impact Assessment of Community Colleges in Jamaica.” The Annual Council of Community Colleges of Jamaica Conference, January 10–12, 2019.
- **Andre Haughton**, “Cannabis as an Instrument to Engage at-risk Youths.” The Caribbean Summit on Youth Violence Prevention, George Town Guyana, January 15–16, 2019.
- **Alrick Campbell**, “Efficiency Analysis and Setting the X-factor: An Application of Double Bootstrap DEA to Electricity Networks in Island States.” West Indies Economic Conference (WECON). University Regional Headquarters, March 21, 2019.
- **Edward Gharthey**, “Taylor Principle versus Exchange Rate Principle: Empirical Evidence about their Effectiveness in Developing Countries.” West Indies Economic Conference (WECON). University Regional Headquarters, March 21, 2019.

- **Nadia Grant-Reid**, “Effect of Vocational Training on Employment and Wage Premium: Evidence from Jamaican Panel Data.” West Indies Economic Conference (WECON). University Regional Headquarters, March 21, 2019.
- **Jan Keil**, “Do Relationship Lenders Manage Loans Differently?” West Indies Economic Conference (WECON). University Regional Headquarters, March 21, 2019.
- **Amira Karimova**, **Esra Simsek** and **Mehmet Orhan**, “Policy Implications of the Lucas Critique Empirically Tested along the Global Financial Crisis.” West Indies Economic Conference (WECON). University Regional Headquarters, March 21, 2019.
- **Nekeisha Spencer** and **Eric Strobl**, “The Impact of Decriminalization on Marijuana and Alcohol Consumption.” West Indies Economic Conference (WECON). University Regional Headquarters, March 21, 2019.
- **Samuel Braithwaite**, “Has The GATT/WTO Promoted CARICOM Merchandise Trade?” West Indies Economic Conference (WECON). University Regional Headquarters, March 22, 2019.
- **George-Levi Gayle**, **Peter-John Gordon**, **Prasanthi Ramakrishnan**, and **Devon Lynch**, “Estimating the Welfare Cost of Moral Hazard in Healthcare from a Large Scale Policy Experiment.” West Indies Economic Conference (WECON). University Regional Headquarters, March 22, 2019.
- **Tasha Zephirin**, **Kelly-Ann Dixon Hamil** and **Darryl Dickerson**, “Exploring Black Engineering Success: A Split Population Survival Analysis.” West Indies Economic Conference (WECON). University Regional Headquarters, March 22, 2019.
- **Daniel Henderson**, **Nadine McCloud**, and **Christopher Parmeter**. 2019. A Partially Parametric Model. Presented at West Indies Economic Conference, UWI Mona, March 21, 30 pages.
- **Nadine McCloud Rose** and **Peter-John Gordon**, “Do Elite Schools Matter? Empirical Evidence from Jamaica.” West Indies Economic Conference (WECON). University Regional Headquarters, March 22, 2019.

#### Faculty Seminar Series

- **Nadine McCloud Rose** and **Peter-John Gordon**, “Do Elite Schools Matter? Empirical Evidence from Jamaica.” February 28, 2019.
- **Mr. Nicholas Wright**, Georgia State University, “Need-Based Financing Policies, College Decision-Making, and Labour Market Behaviour.” November 22, 2018.

**Graduate Student Presentations**

- **Carlton Thomas**, “An Empirical Investigation into the dynamics of Economic Growth and Birth Rates in Latin America.” The Conference on the Economy (COTE), University of the West Indies, St Augustine Campus, October 17, 2018.
- **Janelle Marks**, “Vector and Water Borne Diseases in SIDS: An Economic Analysis.” Conference on the Economy (COTE), The University of the West Indies, St Augustine Campus, October 17, 2018.
- **Etel Williams**, “The Impact of Education on Intentional Homicide: An Empirical Analysis.” Southwest Social Sciences Association Research Conference. San Diego, CA, October 18, 2018.
- **Tajrie Welch**, “The Impact of Hurricanes on Export in the Caribbean: A Gravity Model Analysis.” West Indies Economic Conference (WECON). University Regional Headquarters, March 22, 2019.
- **Etel Williams**, “The Impact of Education on Intentional Homicide: An Empirical Analysis.” West Indies Economic Conference (WECON). University Regional Headquarters, March 22, 2019.

**Policy Discussion Forum**

In an effort to remain visible and impactful, and to continue to guide and impact economic policymaking in Jamaica and the Caribbean as outlined in the department’s strategic plan, the department continued its Policy Discussion Series in Academic Year 2018/19.

The first in the series was held on February 27, 2019. The Department collaborated with the Bank of Jamaica to host a forum which was titled, “Exchange Rate and Inflation Targeting: Are two targets better than one?” Discussants for the forum were: **Dr. Andre Haughton, Department of Economics**, Constant Lonkeng, Resident Representative, IMF, Manuel Ramos-Francia, Former Deputy Governor, Bank of Mexico & Director General of CEMLA and Janelle Pantry Coke, Creative Director/Owner, Spaces Jamaica.

The second policy forum was held on March 27, 2019. The Department collaborated with the Sir Arthur Lewis Institute of Social and Economic Studies, SALISES to host a Post-Budget Panel Discussion. The forum was entitled “The 2019/20 Budget-Prosperity or Progress?” Panelist for the forum included; Mr. Mark Golding, Opposition Spokesman on Finance and Planning, Mr. Hugh Johnson, President of Small Business Association of Jamaica, Mr. Danny Roberts, Head of the Hugh Shearer Labour Studies Institute, Mr. Raul Pinnock, Corporate Finance Executive, Barita Investments, **Dr. Christine Clarke, Department of Economics** and Dr. Kevin Williams, Research Fellow, SALISES.

## PUBLICATIONS

- **Braithwaite, S.** (2019). “Subsistence Sector Advancement in the Lewis Model.” *Journal of Developing Areas*, 53(4)
- **Ghartey, E.E.** (2019), Asymmetries in Exchange rate Pass-through and Monetary Policy Principle: Some Caribbean Empirical Evidence. *North American Journal of Economics and Finance*, (47), 325–335.
- **Spencer, N** & Urquhart M. (2018). Hurricane Strikes and Migration: Evidence from Storms in Central America and the Caribbean’, *Weather, Climate and Society*, 10:3, 569–577.
- Burgess, C.P., Taylor, M.A., **Spencer, N.** et al. (2018). Estimating Damages from Climate-related Natural Disasters for the Caribbean at 1.5 °C and 2 °C Global Warming above Re-industrial Levels’, *Regional Environmental Change*, 18: 8, 2297–2312.
- **Spencer, N.**, Urquhart, M-A., & **Whitely, P.** (2019). Class Discrimination? Evidence from Jamaica: A Racially Homogeneous Labor Market. *Review of Radical Political Economics*.
- **Spencer, N.** and Liu, Z. (2019). Victimization and Happiness: Evidence from a High Crime Country, *Social Indicators Research*, 144(1), 475–495.
- Mohan, P., **Spencer, N.** and Strobl, E (2019). Natural Disasters and Production Efficiency: Moving Closer to or Further from the Frontier? *International Journal of Disaster Risk Science*, 10(2), 166–178.
- **Spencer, N** and E. Strobl (2019). Crime Watch: Hurricanes and Illegal Activities, *Southern Economic Journal*. DOI: 10.1002/SO EJ.12376.

## PUBLIC SERVICE

### Samuel Braithwaite

- Member, PSOJ Economic Policy Committee

### Dr. Christine Clarke

- Board Member, BOJ, Chair – Audit Committee and Pension Trustee
- Board Member, JETCON, Chair – Compensation Committee

### Dr. Peter-John Gordon

- Board Member, The Mico Foundation
- Board Member, Kingston College

### Dr. Nadine McCloud-Rose

- Member, Scientific Committee of the 23rd Annual Meeting of the *Latin American Meeting of the Econometric Society* (LAMES)

- Member, Editorial Board for *Journal of International Trade & Economic Development*
- Member, Jamaica Survey of Living Conditions Steering Committee.

## STUDENTS

Students registered in the Department's undergraduate programmes are listed as follows:

Major/Minor	Totals
Banking and Finance Major	670
Banking and Finance Special	2
Economics Major	697
Economics Minor	159
Statistics Major	27
Statistics Minor	21

Students registered in the Department's graduate programmes are listed as follows:

Programme	Total
MSc Economics	50
MSc International Economics & International Law	1

## STUDENT AWARDS

### Undergraduate Level

**Mikelle Hall** – The Economics Prize – Best Economics Student

**Karishma Mahtan** – The Statistics Prize – Best Statistics Student

**Rajon Spence** – The Alfred Francis Prize – Best Econometrics Student

**Karishma Mahtani** – The Research Prize – Best Researcher Student

### Graduate Level

**Jodi-Ann Bennett** – The Top Student Award – Best Graduate Student

**Jamelia Jalaalwalikram** – The George Beckford Prize – Best Student in Economic Development

**Ahmad Tijani** – The Economics Theory Prize – Best Economic Theory Student

**Jodi-Ann Bennett** – The Econometrics Prize – Best Econometrics Student



# DEPARTMENT OF GOVERNMENT

Dr. Lloyd Waller, BSc, MSc, UWI, PhD, Waikato, New Zealand – Head of Department

## PAPERS PRESENTED

- **Vasciannie, Lisa:** Forum of Reflection to mark the 70th Anniversary of the OAS held Friday, November 30, 2018 in the Hall of the Americas, pursuant to resolution CP/RES. 1101 (2160/18), adopted on May 14, 2018.
- **Gatchair, Sonia:** Presented a paper on “**Assessing the potential of independent oversight for fiscal responsibility**” at the International Research Society for Public Management Conference April 2019 in New Zealand.
- **Schoburgh, Eris:** Attended 23rd International Research Society for Public Management (IRSPM) Conference, University of Victoria, Wellington, New Zealand, April 16-18, 2019. Presented a paper entitled: **Disaggregating the sub-national sphere for developmental gains: Reframing the role of city governance in the English-speaking Caribbean**
- **Vasciannie, Lisa: April 25, 2019** Guest presenter at the Ministry of Foreign Affairs and Trade forum on the topic *The Link between Academia and utilitarianism*

## PUBLICATIONS

- **Campbell, Yonique. 2018.:** ‘Security Cooperation in Latin America and the Caribbean: Threats, Institutions, & Challenges’, in *The Routledge Handbook of South-South Cooperation* edited by Elena Fiddian-Qasmiyeh and Patricia Daley, Routledge.
- **Charles, C.A.D., Reid, G.S.O. & Albarus, N. (2019).** *A Method for Election Forecasting*. Sage Research Methods Cases.

## STUDENTS

The team of UWI students competing at the annual Harvard National Model UN 2019 won six awards (4 from Mona Campus and 2 from St. Augustine). The team

was accompanied by Dr. Lloyd Waller and Mr. Glenville McLeod of the Department to the competition held in Boston, New York in February.

The department hosted the launch of the Society of Future Policy Leaders (SFPL) on March 20, 2019. The SFPL is a student-led organization which builds on the principles of good governance and the best practices of policy formation.

#### **ACADEMIC AWARDS**

- **Campbell, Yonique:** Canada-CARICOM Faculty Leadership Award. Will be taking up the award on 29 January 2019.
- **Vasciannie, Lisa:** Principal's Research Award 2018–2019 – Best Book: *International Election Observation in the Commonwealth Caribbean – Race, Aid and Democratization*.

#### **Academic Promotion to rank of Professor**

- **Schoburgh, Dr. Eris and Dr. Lloyd Waller** were promoted to the rank of Professor in February 2019.



## DEPARTMENT OF SOCIOLOGY, PSYCHOLOGY AND SOCIAL WORK

Dr. Orville Taylor, PhD (Sociology), FIU – Head of Department

### WORK OF THE DEPARTMENT

#### HRD UNIT

During this academic year the Unit continued to execute its own Strategic Plan 2017–2020 in accordance with the UWI's Strategic Plan for 2017–2022. To this end, the Unit established an Advisory Board to engage its stakeholders in realizing its aims of diversifying its sources of revenue, increasing student registration numbers, expanding its sphere of influence within the HR profession and retooling to strengthen its overall capabilities. Specifically, we began the processes of transforming the M.Sc. Human Resource Development programme for online delivery with the help of Dr. Lora Pilgrim of the University's Office of Online Learning; revamping the PhD Organisational Behaviour to enhance throughput efficiency; reviving the PhD OB Graduate Seminar; improving research and informational output; launching the *Journal of Human Resource Development and Organisational Behaviour* and creating the Organisational Analysis and Assessment Centre, our management consultancy.

#### Conference and Seminar Participation

The HRD Unit continued its collaboration with the Jamaica Business Development Corporation (JBDC) with the staging of the second Employee Engagement Conference between October 22 and 23, 2018 at the Jamaica Conference Centre. Along with Scotiabank Jamaica Limited, the University through the Department/HRD Unit were title sponsors of the two-day event. The main theme, *Disturb, Reconnect, Engage*, attracted 19 speakers including the Keynote presenters, Executive Leadership Coach and Empowerment Speaker, Alvin Day, and thought leader and People Strategist, Jason Lauritsen, and over 300 participants from 80 Caribbean organisations.

On the first day of the conference Olivene Thomas and Clement Branche delivered a



workshop titled “Strategies to Engage Fence-Sitters: From spectator to player” that was very well received. PhD OB student Henry Lewis also delivered a stellar workshop at the conference.

This event was also significant in the Unit’s life as it was here that we also promoted our *Organisational Analysis and Assessment Centre* for the first time. The Unit’s three administrators, Sophia Wellington, Doraine Valentine and Olivene Thomas set up a booth to promote the new venture and alert potential clients that we were open for business. This promotional exercise was repeated at the 38th Conference of the Human Resource Management Association of Jamaica in November 2018.

Additionally, the Unit continued its strategy of boosting our research output simultaneously with advancing their outreach by participating in several conferences. This plan was operationalised with their presentation about the organisational and existential identities that influence HR practice at the 18th Derek Gordon Conference hosted by the Department in May; in the analysis of their experiences as entrepreneurs at the fourth Mona School of Business and Management Conference held at the Jamaica Pegasus in July and at the 18th Association of Caribbean Higher Educational Administrators (ACHEA) Conference held in Negril, Jamaica also in July 2019, where we discussed administrator ‘maverickism’. Team members Olivene Thomas and Clement Branche took the lead on this aspect of their work.

Department Head, Dr Orville Taylor, attended the Jamaica Employers’ Federation Conference in May. The JEF is expected to be a critical focal point for our research and other activities for the foreseeable future.

During the academic year 2019–2020, Dr Brown travelled to several conferences. The most significant of these were those where I was invited to do major presentations. Both were in March 2019 in Chicago, Illinois, March 3, 2019 and Hoge University, March 5–9, 2019 in Utrecht, Netherlands.

## **RESEARCH INVOLVEMENT AND ACTIVITIES**

- The Department formed a multidisciplinary team to address violence and crime. The team comprising of Dr Herbert Gayle and Dr Orville Taylor, the initial working group, met with the Minister of National Security for preliminary discussions. The larger group includes: Dr Claudette Crawford Brown, Ms Georgia Rose and Mr Michael Gordon.
- Dr Crawford Brown’s research activities this year have revolved around the UWI/Ryerson Children and Youth Project being coordinated by SALISES. She is also working in the sub-sector on Migration as well as the subsector on Child Care and Protection.
- Dr Gillian Mason is in collaboration with members of the Cluster from St.

Augustine (Dr. Christine Descartes) and Cavehill (Ms. Joan Cuffie) Campuses to work on a research project related to the knowledge, attitudes and experiences of Caribbean tertiary students.

- Dr Orville Beckford participated in a conference in New York: “League for Innovation in Community Colleges held February 24–27, 2019 at New York Marriot Marquis.
- Drs Taylor and Heather Ricketts are part of the FSS/SALISES Social Policy Cluster and are contributing chapters to the forthcoming publication, *Controversial Issues in Social Policy in the Caribbean*. Dr Ricketts is co-editor along with SALISES’ Prof Aldrie Henry Lee.
- The Psychology Unit, spearheaded by Drs Caryl James Bateman and Marina Ramkissoon is the core of the University’s Behavioural Sciences Cluster formed since 2018.

## **EXTERNAL COLLABORATION**

### **Psychology Unit**

A Jamaica International Chapter of the International Association of Eating Disorders Professionals (IAEDP) has been established, in the Department of Sociology, Psychology and Social Work. The International Association of Eating Disorders Professionals is one of the leading bodies worldwide in providing training for eating disorder specialists. IAEDP has asked Dr. Caryl James Bateman to chair the Jamaica Chapter.

### **Fulbright Scholarship**

The Psychology Unit had a full semester with Fulbright Foreign Scholar Dr. Darrell Hull from the University of North Texas. Dr. Hull shared his datasets with the unit and is currently working on papers. The unit is also working with Dr. Hull on a project involving the National Youth Service. This project is validating an instrument that measure positive youth development. The instrument has been piloted and 1200 youths have been surveyed to validate the instrument.

### **Utrecht University/UWI Exchange**

As it relates to the Depression study, in collaboration with Utrecht University, the Utrecht personnel will be in Jamaica for the first few weeks in June. The graduation ceremony was held for the Community Health Aides who have been trained to administer Problem Solving Solution Therapy in underserved populations. As it relates to the cross-cultural exchange with students from Utrecht University in

October 2018, the students have prepared a brief report, which included recommendations for future exchanges. These recommendations have been taken into consideration for the upcoming cross-cultural exchange in October 2019.

### **Linnaeus-Palme Gothenburg/UWI Exchange**

Drs Orville Beckford and Doreen Gordon were sent as part of a lecturer exchange between The UWI and the University of Gothenburg under the Linnaeus-Palme Scholarship. Lectures were presented to undergraduates, postgraduates, and staff seminars which were well received. We also welcomed three faculty members and several students in the exchange.

### **HRD Unit Seminar Series**

Beyond our participation in external conferences and seminars, Clement Branche and Doraine Valentine continued the HRD Unit's Graduate Seminar for students in the PhD programme in Organisational Behaviour in April 2019. Four students presented their work, namely: Ms. Zeudi Munroe, Ms. Bridgette Williams, Mrs Melva Armstrong and Mrs. Carol Bent-Wright. Additionally, Ms Munroe discussed her methodology and Mrs Corent McDonald presented her findings on the psychology of organisational change in the Department of Sociology, Psychology and Social Work's Graduate Seminar in December 2018 and in April 2019, respectively

### **Awards**

- The Psychology Unit has been offered sponsorship from the Friendly Lodge No 383 Trust Ltd for research on suicide in youths. Official presentation will take place on September 8, 2019.
- Drs. Rose Johnson and Dennis Edwards were honorees for long service to educating Psychologists.
- Dr Barnett received a special award in March 2019 where he was Re-inducted as a Commander of the Order of the Star of Honour of Ethiopia by the Ethiopian Crown Council for services rendered to the Ethiopian Royal Family and the people of Ethiopia.

### **Changes to Coordinators**

The Unit has made some changes to its coordinators as follows:

- Psychology Unit Coordinator – Dr. Rose Johnson
- Applied Psychology Coordinator – Dr. Tracy McFarlane
- Clinical Psychology Coordinator – Dr. Tracey-Ann Coley

- Dr. Caryl James Bateman proceeded on for Sabbatical on August 1, 2019.

### School Visits

In his role as Associate Dean for Teaching and Learning and Undergraduate Affairs Professor Garth Lipps was involved in a number of activities directed at recruiting students from several High Schools to the Faculty of Social Sciences. Presentations were made to students from Kingston High School, Jamaica College, and Campion College, as well as at the University Information Day.

Several lecturers visited high schools across the country as part of the larger outreach activities of the University.

Dr Beckford continued the UWI thrust of ensuring that high school students are properly prepared for CAPE subjects that are pre-requisites for programmes in the Faculty of Social Sciences. Workshops were held for CAPE subjects which include Sociology, Management of Business (MOB), and Caribbean Studies.

Dr Beckford visited the Western Jamaican Campus (WJC) several times and prepared a report regarding issues affecting students within Social Science programmes. This report was submitted to the Dean.

### Workshops

Dr Rose Johnson was the main facilitator at the following workshops:

- One Day Teacher Training Workshop: **Infusing Social-Emotional Learning into the Curriculum**. Ascott Primary School, Portmore, St. Catherine.
- Shortwood Teacher's College Amazing Math Powers (AMP) ... Primed for Success 2019 Teacher Training Workshop: **Social Emotional Learning: Facilitating a Growth Mindset in Your Students**.
- Half Day Seminar – **Work Life Balance**, Department of Sociology Psychology and Social Work, The UWI, Mona
- Seminar: **Team Building**, Caribbean Institute of Media and Communication (CARIMAC), The UWI, Mona.

Dr McFarlane participated in the following workshops:

- *Expert Workshop for University Lecturers: "Enhancing Capacity to teach Integrity & Ethics"*. – Invited Participant from Jamaica
- United Nations Office of Drugs and Crime: Education for Justice (E4J) Bogota, Columbia

Dr Barnett coordinated a Special Cultural Event [Founder's Day & Africa Day] at the Haile Selassie High School as part of its 50th Anniversary celebrations for the benefit of the students and staff at the school.

Miss Shawna Kay Burns was also the Facilitator for the **Equality for All Jamaica Limited, 'Parent Sensitization Workshop'**, a workshop geared towards Parenting Issues within the LGBTQ community in Jamaica.

### **Caribbean Journal of Psychology**

The Psychology Unit, in collaboration with the School for Graduate Studies and Research (SGSR) and The University of the West Indies Press hosted the re-launch of the *Caribbean Journal of Psychology* on April 6, 2018. The launch has received positive reviews and was well attended. Professor Jaipaul Roopnarine, Editor in Chief since 2017 gave the keynote address. This re-launch was one of the FSS signature events for the UWI 70th anniversary celebrations. *CJP* has now been institutionalized as it is jointly owned by SPSW and the SGSR and officially published by The UWI Press. Three special issues will be published across 2018 to 2019. Psychological Measurement and Methodology in the Caribbean – Guest Editors – Nicole Alea and Sideca Ali has already been published, leaving two other issues: 1) 70th Anniversary Professor Jaipaul Roopnarine, Dr. Marina Ramkissoon and Mr. Clemente Branche and 2) Dying to be Beautiful – Guest Editors Dr. Caryl James and Dr. Orville Taylor.

### **Caribbean Alliance of National Psychology Associations (CANPA)**

The *Caribbean Journal of Psychology* Editor in Chief Jaipaul Roopnarine, Journal Manager Marina Ramkissoon, Psychology Unit Coordinator Caryl James as well as the Financial Manager of The UWI Press Nadine Buckland, met with CANPA's President Guillermo Bernal and Co-Chair of their Publications Committee Ishtar Govia to partner with the journal. The meeting was positive and CANPA will be approaching its executive members to see if they are all in agreement. This proves promising for the journal in terms of its reach to psychologists locally, regionally and internationally. Drs. Gillian Mason and Tracy McFarlane along with several recent graduates also presented at the conference.

### **Psychology Day 2019**

Ms Doneisha Burke was the Chair and Organizer for Psychology Day 2019. The theme this year was "The Psychology of Choice: Be the Best you" held at UWI Mona Western Jamaica Campus on March 29, 2019. She also presented at Psychology Day 2019 at the UWI Mona Western Jamaica Campus on the topic entitled "Be Social Media S.M.A.R.T"

The Unit wishes to thank Ms. Rose and Ms. Burke for once again planning the Psychology Day 2019. The Unit is proud of the outcomes in particular how it inspired the high schools and teacher's college attendees. Members of staff, students and visiting scholars from the Kingston campus also supported the event. Overall the event received high commendation, not only did it accomplish outreach but it also highlighted the research works of undergraduate and graduate students.

## OUTREACH

The Department has maintained its long term *Engagement with Woodside, St Mary*: via the persona of Dr Erna Brodber in her attempts to bring attention to rural issues, including community talks, meetings and working on a funding proposal to complete the building of the Barry Chevannes Resource Centre in Woodside. It is expected that this resource centre will serve as a Rural Sociology Lab for researchers and students and therefore be an extension of the Faculty of Social Sciences at The UWI. Dr Gordon is one of the key persons in the current phase.

## CARIBBEAN INTERNSHIP PROGRAMME

The Caribbean Internship Programme continues to serve as a bridge between teaching and learning. The UWI Mona collaborated with the UWI Cave Hill and regional social service agencies in Belize, Antigua, Dominica and Grenada in the assignment of four interns from the disciplines Psychology, Social Work and Media and Communication to serve three-month internships. The cost of internships in 2019 was US\$17,000 with contributions from partners The UWI (Mona and Cave Hill) US\$11,800, regional agencies US\$4,200 and interns US\$1050.

## PAPERS PRESENTED

- **Barnett, M.(2019)** "Rastafari Repatriation as" part of the Caribbean Reparation Movement Presented at the 44th Annual CSA Conference, Santa Marta, Columbia. (10 pages).
- **Barnett, M. (2019)** Charting the way forward for a Truly Global African Reparations Movement PANAFEST Colloquium 2019 University of Cape Coast, Ghana, Africa (8 pages).
- **Barnett, M. (2019)** The Black Power Movement and Black Athletic Activism 49th Annual Meeting of the Association of Black Sociologists. Manhattan, New York, USA. (10 Pages)
- **Bowie Dean, J. (May, 2019).** *Rape myth acceptance: The role of religious, sexist, attitudes, conformity to gender norms, and closeness to a rape victim.* Presented at the Annual Derek Gordon Research Conference, 2019 at the University of the West Indies, Mona, Jamaica. (oral presentation – 49 slides)

- **Bowie, J.** (November, 2018). *Motivational Interviewing*. Presented at the 8th Annual National Adolescent Health Workshop: The Ministry of Health in Collaboration with the University of the West Indies Mona, Jamaica (oral presentation – 56 slides)
- **Thomas, O. and Branche, C.** “Competing Dynamics: Building intrapreneurial agility in a sleeping giant.” The Fourth Business and Management Conference: Delivering on the Promise of Entrepreneurship: Critical perspectives on research, practice and thinking in the fourth economy. 10–12 July 2019. The Jamaica Pegasus Hotel. (13 pages)
- **Burns, S.K., Moore, C.,** (2018, June) ‘*Weak To Yu: Vulnerability and Masculine Sexuality in the Jamaican Dancehall.*’ Paper presented at the Caribbean Studies Association Annual Conference: Havana, Cuba, W.I. 10 (pp. oral presentation)
- **Coley T,** (2019, March). Presenter-The release from a cut. The Paediatric Association of Jamaica 22nd International Biennial Conference. Spanish Court Conference Centre Worthington Avenue. Kingston Jamaica.
- **Noel Bell & Daley, C.** (2019) Beyond the Pain: Stories of Strength, Survival and Spirit, A Documentary on Living with Sickle Cell Disease in Jamaica.(oral presentation).
- **Gordon, D.** “Thinking through Fieldwork Encounters in Brazil: Critical Reflections and Future Pathways.” Caribbean Research Methodologies Conference, University of Trinidad and Tobago, September 12th and 13th, 2018.
- **Gordon, D.,** “The University of the West Indies and the Elaboration of the Social Scientific Baselines in the 1950s,.” Paper presented at the: “Jamaican 1950s Symposium,” Penn Museum, University of Pennsylvania, USA, April 4–7th, 2019. (pp 1–12)
- **James Bateman, C** (2019, March). Presentation-*Consequences of skin bleaching in pregnant Black Women: The role of early childhood trauma and related psychological effects*. Frontiers of Science meeting between the Royal Society and the University of the West Indies, Buckinghamshire, England.
- **James Bateman, C.** (2019, May). Presenter – “How the Media May be Placing Jamaicans at Risk for Eating Disorders”. Derek Gordon Research Conference. Faculty of Social Sciences, Lecture Theatre, the University of the West Indies, Mona. Kingston Jamaica.
- **James Bateman, C.** (2019, March). Presenter – The Psychology of Skin Bleaching. The Paediatric Association of Jamaica 22nd International Biennial Conference. Spanish Court Conference Centre Worthington Avenue. Kingston Jamaica.
- **James Bateman, C.** (2018, November). Presenter-Psychological Effects of Trauma



- at the Faculty of Medical Sciences' Conference. The University of the West Indies, Mona.
- **Latibeaudiere, S. (2009)** Is 'different' still unacceptable?: Understanding disability using critical theory. Presentation at Faculty of Law Symposium on Law, Governance and Society, June 29, 2009, Melia Braco, Trelawny. (oral presentation)
  - **Latibeaudiere, S. (2009)** Caregiving: A risk factor for mental stress. Presentation at the Derek Gordon Research Conference, May 31, 2019. (oral presentation)
  - **Mason, G & Latibeaudiere, S.** *Intimate partner violence response training workshop for helping professionals (Introductory level)*, Dying to be beautiful conference, December 2017. (oral presentation)
  - **Lipps, G. (2018).** Factors Contributing to Child and Adolescent Depression. Invited Presentation to the Western Regional Mental Health Services Annual Mental Health Conference, October 14, 2018. (oral presentation)
  - **Lipps, G., Lowe, G.A., Gibson, R.C., Jules, M.A. & Maynard, D. (2019).** Perceptions of Academic Achievement Increases Depressive Symptoms Among Pre-Adolescent School Children Following High Stakes Exit Examinations While Gender Decreases Symptoms of Anxiety. Poster presented at the Association for Psychological Science, May 24, 2019. (oral presentation)
  - **Findley, S. & Lipps, G. (2019).** The relationship of self-concept discrepancies, employment status and depressive symptomology among university graduates. Presented at the 18th Annual Association of Higher Education Administrators, July 11–13th 2019. (35 pages)
  - **McFarlane, T. A. (2018, November).** Chairperson & Presenter. *Psychological and Sociological Perspectives on Gender in the Caribbean*. Symposium conducted at the 4th Biennial Caribbean Regional Conference of Psychology, Kingston, Jamaica. (oral presentation)
  - **McFarlane, T. A. (2018, November).** *"PAR with Us": A Support Group for Jamaican Teen Moms*. Roundtable Discussion facilitated at the 4th Biennial Caribbean Regional Conference of Psychology, Kingston, Jamaica. (oral presentation)
  - **Miller, C. S. & McFarlane, T.A. (2018, November).** *The Relationship Between Employee Well-being and Performance: Do Organizational Characteristics Matter?* at the 4th Biennial Caribbean Regional Conference of Psychology, Kingston, Jamaica. (poster presentation)
  - **Rose, G (2019, March).** Presenter – Navigating the social media highway: Raising socially smart children and adolescents. The Paediatric Association of Jamaica 22nd International Biennial Conference. Spanish Court Conference Centre Worthington Avenue. Kingston Jamaica. (oral presentation)



- Taylor, O (2019, January) “Retirement and other four letter words,” Council of Community Colleges of Jamaica Conference, Montego Bay(oral presentation – 24 slides)
- Thomas, O. and Branche, C. “The Organisational Analysis and Assessment Centre: A new tool for university transformation.” The 18th Annual Conference of the Association of Higher Education Administrators (ACHEA): New Times, New Approaches in Higher Education. 11–13 July 2019, The Royalton Negril, Jamaica. (14 pages)
- Branche, C. and Thomas, O. “Existential and Organisational Identity and the Courage to Be” The 18th Annual Derek Gordon Conference. 31 May 2019. The Social Sciences Lecture Theatre, UWI, Mona (Oral presentation only)
- Thomas, O. and Branche, C. “Strategies to Engage Fence-Sitters: From spectator to player”. The Second Employee Engagement Conference: Disturb, Reconnect, Engage at 22 October 2018. The Jamaica Conference Centre. (Oral presentation only).

## PUBLICATIONS

### Book Chapters

- Beckford, O. . “The Socio-cultural Nature of Crime and deportee in the Caribbean” In *Crime and Violence in the Caribbean: Lessons from Jamaica*. Edited by Sherill V. Morris-Francis, Camille A. Gibson and Lorna E. Grant
- McFarlane, T. A. (2019). “Heritage and (In) Equality: Social Psychology Applied to Race”. In K. O’Doherty & D. Hodgetts (Eds.). *Handbook of Applied Social Psychology*. (pp. 23–38). London: Sage.

### Books

- Barnett, M.A. ed.(2018). *The Rastafari Movement: A North American & Caribbean Perspective*, Oxon, England: Routledge Publishers.

### Refereed Journal Articles

- Ramkissoon, M.W P Anderson, J Hopwood. “Measurement Validation of the Jamaican Macho Scale Among African American Males”. *Journal of Men’s Studies* (2017): 1–18.

### Non-Refereed Journal Articles

- Bowie, Jhodi. (August, 2018). *CARED Perspectives – Immigration at the border: Separation of children from their parents*. GradPsych Blogpost. Retrieved from <https://www.gradpsychblog.org/author/jhpdi-ann-bowie/#.XNePOJNKg0o>

- Burke, Doneisha, “How Social Media is helping Millennial Parents” *Jamaica Gleaner*
- Beckford, O, “Exploring the relationship between Medication Expenditure and Chronic Diseases in Jamaica. *Excelsior Community College Academic Journal (ECCAJ)*
- Gordon, Doreen. “A Critical Perspective on Venezuela. *Jamaica Gleaner* (Friday June 7th, 2019).<http://jamaica-gleaner.com/article/commentary/20190322/doreen-gordon-critical-perspective-venezuela>
- Latibeaudiere, S. (2019, June 12). Family caregivers of elderly need support, safeguards. *The Gleaner*, p.
- Taylor, O, 2018–2019, *The Sunday Gleaner*; a total of 52 during the period.

### Technical Reports

- Ramkissoon, M., (2018). Culture audit report for the HEART Trust/NTA. (72 pages).

## INCOME GENERATION

### Research grants

Multidisciplinary Special New Initiative Grant – “Adverse Childhood Experiences and Health Outcomes Among Adult Jamaicans: Effectiveness of Mental Emotional Release in Managing the Effects of Negative Emotions from Trauma” – \$2,300,000.00

## CONFERENCES AND SEMINARS

The Department, spearheaded by Dr Laura Obermuller, hosted multiple seminars, with myriad topics. Presenters included; Vice Chancellor Sir Hilary Beckles, Historian Arnold Bertram, Former Prime Minister PJ Patterson, President of the WI Cricket Board, civic leaders among others.

- Employee Engagement Conference October 2018, Jamaica Conference Centre.
- Derek Gordon Conference May 2019.

## PUBLIC SERVICE

### Barnett, Michael

- July 2019 – Re-appointed onto the National Council on Reparations – (Under the Jurisdiction of the Ministry of Culture, Gender, Entertainment and Sports)

Events sub-committee, Research & Publishing sub-committee and Internal Reparations Sub-Committee.

**Beckford, Orville**

- Member, the Board of Eltham High School and Chairman of the Board's Academic Committee.
- Chairman, Council of Community Colleges of Jamaica
- Chairman for the Mona Social Services Scholarship committee.

**Bowie Dean, J.**

- Subcommittee Member – The American Psychological Association of Graduate Students Committee for the Advancement of Racial and Ethnic Diversity (APAGS CARED).

**Gordon, Doreen**

- 2018–22 – Qualitative Research Team Member, IDRC-funded Project, “Improving Household Security and Public Health in the Caricom

**Hinds-Heron, Kimberley**

- External Examiner for the Bachelor of Social Work (BSW) in the Social Work Programme in the Department of Behavioural and Social Sciences at Northern Caribbean University.

**Johnson, Rose**

- Chair, University Council of Jamaica Standards for Psychology Committee.

**McFarlane, Tracy**

- Ongoing *Consultant, Support Group for Teen Moms, Kingston Technical High School*
- Ongoing *Consultant/Assessor, University Council of Jamaica*
- Sept 2017–Jan 2018 *Consultant, International Federation of the Red Cross and Red Crescent Societies (IFRC), Caribbean Zika Response and Preparedness*

**Ramkissoon, Marina**

- Productivity Ambassador, Jamaica Productivity Center, tripartite organization of the Government of Jamaica

**Taylor, Orville**

- Member, Editorial Board, *Issues in Race and Society; Journal of the (American) Association of Black Sociologists.*
- Consultant, Jamaica Constabulary Force
- Resource Personnel Sprintec Track Club

- Patron Taylor House, St Patrick's Primary
- Host Hotline on RJR94FM
- Gleaner Columnist
- Board member, National Commission on Parliamentary Dress Code

### **Thomas, Olivene**

- Member, Organising Committee of the Third Annual Employee Engagement Conference
- Conceptualizer, Producer, Director, Writer and Editor for *HRD TV: The HR Channel of the Caribbean*. HRD TV is the HRD Unit's YouTube Channel. It is a free resource that has been developed for students, alumni and all HR Practitioners in the Region. The channel discusses HR issues from a Caribbean perspective.

## **STUDENTS**

### **HRD STUDENTS**

These are the students' from the HRD programme who received special awards, and graduated with MSc Distinctions and PhD degrees:

- Sherlette Rookwood-Brown, PhD Organisational Behaviour (December 2018)
- Dezric Beckford (Distinction, MSc HRD)
- Flona Brooks (The HRD Prize for Consultancy in Training)
- Renney Brown (The HRD Prize for Leadership)
- Stacy Brown (Distinction, MSc HRD and The HRD Prize for Consultancy in Performance Management)
- Shanique Cornwall (Distinction, MSc HRD)
- Georgianna Galloway-Hill (Distinction, MSc HRD)
- Aleshia Gopie (The HRD Alumni Association Prize)
- Celecia Lennon (Distinction, MSc HRD)
- Shermaine Lindsay (Distinction, MSc HRD and the HRD Prize for Consultancy in Staffing)
- Odaine Thomas (The HRD Prize for Consultancy in Organisational Research)
- Doreen Thompson (Distinction, MSc HRD and the Gordon Draper Prize in Human Resource Development)

David Bernard successfully defended his PhD thesis. Dr Taylor was his main supervisor along with Dr Ricketts.

# MONA SCHOOL OF BUSINESS AND MANAGEMENT

**Dr David McBean**, BSc Hon., D.Phil Engineering Sciences, *Univ. of Oxford*  
– Executive Director



## WORK OF THE DEPARTMENT/SCHOOL

This report is a synopsis of the Mona School of Business and Management's (MSBM's) accomplishments for the 2018/2019 academic year. The following pages detail the works of our faculty who continue to provide outreach & service to the community, and conduct research to pass on new knowledge, both to our students, to enhance their learning experience, and to the wider community, to aid in the discovery of new principles and ways of working. A number of our faculty were conferred awards in the Principal's Research Day Awards which is a testament to the quality of research that they conduct year after year.

A signature feature of our research agenda is the hosting of our Business and Management Conference to showcase the work of our faculty as well as to engage the Business Community with providing insights to inform their strategic decisions. This year, the conference was held under the theme "Delivering on the Promise of Entrepreneurship: Critical Perspectives on Research, Practice and Thinking in the Fourth Economy".

Despite the relatively high ratio of students to full-time faculty, the School continues to make its mark on the business education sector, sending out into the corporate world, over 300 graduates from the postgraduate programmes and over 550 graduates from the undergraduate programmes; with the skills and competences to excel in the job market. The number of graduates from the postgraduate programmes also includes three graduates of the Doctorate in Business Administration (DBA) programme.

We continue to forge alliances with the business community and in that regard, the School in partnership with NCB through the NCB Capital Markets (NCBCM) launched the inaugural NCB Investment Challenge. The winners received bursaries and internship opportunities from NCBCM. NCB also continued to partner with MSBM and the Department of Computing, UWI to train 15 students in the NCB, UWI digital lab. NCB has committed itself to nurturing a new generation of digital

professionals by providing highly customized digital training to create an agile workforce.

In addition, JMMB Bank and the Mona School of Business and Management (MSBM) have forged a partnership to offer up to 100% financing for our postgraduate programmes. The partnership is in response to the ongoing challenge faced by individuals to fund higher education, especially at the postgraduate level, where individuals are seeking to propel their careers and remain on the cutting edge of their fields.

Our students also continue to excel beyond the classroom as several students have participated and won various student competitions. Three Tourism Management students competed at the Caribbean Students Colloquium in Manhattan, New York where they were placed second. Our students also entered the Jamaica Tourism Board and later Global Tourism Partnership Case Study Research Competition in Nice, France. We are proud that they won both competitions.

We are pleased to announce that as part of our strategic focus for the next five years, we have developed new Vision and Mission Statements to guide all our initiatives and programmes. Both statements represent the ethos of excellence, innovation and knowledge creation that will drive us as we seek to provide research-based solutions to you our stakeholders.

Our progress has been made possible through the unwavering work of individuals, teams, colleagues and friends within the School and with the support of external affiliated partners. Their continued interest and effort, is testimony to the commitment that continues to grow the institution. The School will continue to build on these significant accomplishments, and prepare itself for an even stronger performance in the years ahead.

#### **PAPERS /ABSTRACTS PRESENTED – REFEREED CONFERENCES**

- **Chevers, D.** (2018). *“The state of cybercrime in the Jamaican Financial Sector: A consumer perspective”* at the 3rd International Scientific Conference held at the University of Information Science (UCI), Havana, Cuba, September 24–26, 2018.
- **Chevers, D.A. & Chevers Whyte, C.** (2019). *“The determinants of successful creative projects in Jamaica: A proposed research mode”*, at the Sir Arthur Lewis Institute of Social and Economic Studies Conference held in Barbados, May 7–10, 2019.
- **Chevers, D.** (2019). *“The impact of cybercrime on e-banking: A proposed model”*, at International Conference on Information Resources Management (Conf-IRM) in Auckland, New Zealand, May 27–29, 2019.

- **Chevers, D.A. & Chevers, J.E.** (2019). *"Towards the assessment of information technology material weakness events on corporate governance changes in small firms in Jamaica"*, at the MSBM 4th Annual Business and Management Conference, at the Jamaica Pegasus hotel, July 10–12, 2019.
- **Crick, A.** (2019). *"Breaking new ground: The sharing economy entrepreneurs"*, at the MSBM 4th Annual Business & Management Conference, at the Jamaica Pegasus Hotel, July 10–12, 2019.
- **Crick, A.** (2019). *"Implications for the measurement and management of quality in the emerging AirBnB sector in Jamaica"*, at the Tourism Travel Research Association (TTRA) Conference at the Grand Hyatt Melbourne in Melbourne, Australia, June 25–27, 2019.
- **Donalds, C., Osei-Bryson, K. M., & Samoilenko, S.** (2019). *"Exploring the impacts of intrinsic variables on security compliance efficiency using DEA and MARS"*, at the IFIP International Federation for Information Processing 2019, Dar es Salaam, Tanzania, May 1–3, 2019.
- **Gregory, R.** (2018). *"Examining some enduring human capital development beliefs and practices within CARICOM, in continued misalignment with the region's aspirations for economic growth, productivity and global competitiveness,"* at the 6th International Conference on Higher Education in Barbados, October 2018.
- **Hickling-Gordon, D.** (2019). *"Financial inclusion and the Caribbean creative economy"*, at the MSBM 4th Annual Business and Management Conference, at the Jamaica Pegasus hotel, July 10–12, 2019.
- **Lawrence, W., Lawrence-Ross, J. P. & Allen, R. G.** (2018). *"Converting management research to managerial practice in a consulting project"*. Manuscript presented at the 78th Annual Meeting of the Academy of Management, Chicago, IL, USA, August 13, 2018.
- **Lawrence, W.** (2019). *"Internationalizing a financial firm: Business model evolution in the Caribbean"*, at the West Indies Economics Conference (WECON) held at the UWI Regional Headquarters, Mona, Kingston 7, March 21–22, 2019.
- **Lawrence, W. & Logan, T.** (2019). *"Financing entrepreneurship: An investigation of Jamaica Stock Exchange Junior Market"*, at the MSBM 4th Annual Business and Management Conference, at the Jamaica Pegasus hotel, July 10–12, 2019.
- **Leachman, R., Graham, M., Harvey, D. & Chevers, D.A.** (2019). *"Assessing the emergence of SMEs in Jamaica: The factors spurring entrepreneurship in the ICT Sector"*, at the MSBM 4th Annual Business and Management Conference, at the Jamaica Pegasus hotel, July 10–12, 2019.
- **Lyew-Ayee, P. & Minto-Coy, I.D.** (2019). *"Unlocking diaspora entrepreneurship & investment in the Caribbean: The role of diaspora mapping"*, at the MSBM 4th

Annual Business and Management Conference, at the Jamaica Pegasus hotel, July 10–12, 2019.

- McNaughton, M. (2018) Panel presentation entitled “*Building capacity for the coming era of connectivity: The next billions*” at the IEEE Global Humanitarian Technology Conference held in San Jose, October 18 –21, 2018.
- Minto-Coy, I.D. (2018). “*How to govern diaspora from a homeland perspective*”, Panel: Diaspora Shaping International Business and Investment – a Critical Discussion, 44th European International Business Academy Conference, Poznan Poland, 13–15, 2018.
- Minto-Coy, I.D., Elo, M., & Chrysostome, E. (2018). “*Diaspora involvement in the socio-economic development of the homeland: case of Caribbean islands*”, Atlantic Schools of Business Conference, University of Moncton, Canada, September 2018.
- Morgan, N. (2019). “*Entrepreneurial inclinations, factors and barriers to business start-ups*”, at the MSBM 4th Annual Business and Management Conference, at the Jamaica Pegasus hotel, July 10–12, 2019.
- Nicholson, L. (2019). “*The preferred mode of financing MSMEs - Voices of those who are affected.*” 2019 Caribbean MSME Conference, April 16–18, 2019. Pegasus Hotel, Kingston, Jamaica.
- Rao, L., McNaughton M., & Mansingh, G. (2018). “*An Agile integrated methodology for Strategic Business Intelligence (AimS-BI)*”, at the 24th Americas Conference on Information Systems (AMCIS), New Orleans, August 16–18, 2018.
- Rashford, T. (2019). “*Exploring the impact of bureaucracy on digital transformation in higher education: A developing country perspective*”, at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.
- Smith, J. (2019). “*Your property, big opportunity! AirBnB realizing the promise of entrepreneurship for Jamaicans*”, at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.
- Smith, J. (2019). “*The women of AirBnB: Challenges of female hosts (entrepreneurs) of AirBnB Jamaica*”, at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.

## PUBLICATIONS

### Refereed Journals

- Barclay, C., Donalds, C. & Osei-Bryson, K-M. (2018). “*Investigating Critical*



*Success Factors in Online Environments in Higher Education Systems in the Caribbean*. *Information Technology for Development*, 24 (3).

- **Chevers, D.A.** & Spencer, A. (2018). "A comparative analysis of the use and impact of ICTs in Mass Tourism Destinations: The case of Jamaica and Bahamas". *Journal of Eastern Caribbean Studies*, 42(2), 81–99.
- **Chevers, D.**, Cunningham, D., Frankson, R., Samuels, K. & Stevens, S. (2018). "Can millennials afford higher education?" *Journal of Eastern Caribbean Studies*, 41, 2, 1–32.
- **Chevers, D.A.**, Parker, D., Craig, M. & Pathak, R.D. (2018). "ADB Company: Amalgamation of warehouses". *Cranfield Case Centre*, Case # 618-0015-1, p. 1–14.
- **Elo, M.**, **Minto-Coy, I.D.**, Costa e Silva, S., Zhang, X. (2019). "Diaspora networks in international marketing: How do ethnic products diffuse to foreign markets?" *European Journal of International Management*. DOI: 10.1504/EJIM.2019.10017015.
- **Minto-Coy, I.D.**, J.G. Lashley & D.J. Storey (2018). "Enterprise and entrepreneurship in the Caribbean region: Introduction to the special issue". *Entrepreneurship and Regional Development*, 30 (9-10): 921–941.
- **Minto-Coy, I.D.** (2019). "From the periphery to the centre: start-up and growth strategies for minority diaspora entrepreneurs". *International Journal of Entrepreneurship and Small Business*, 36 (1/2): 189–215.
- **Liu, Y.**, Namatovu, R., Karadeniz, E.E., Schott, T., & **Minto-Coy, I.D.** (2019). "Entrepreneurs' transnational networks channelling exports: Diasporas from Central & South America, Sub-Sahara Africa, Middle East & North Africa, Asia, and the European culture region". *Journal of Ethnic and Migration Studies Journal of Ethnic and Migration Studies*. DOI: 10.1080/1369183X.2018.1560002
- **Rao, L.** & **McNaughton, M.** (2019). "A knowledge broker for collaboration and sharing for SIDS: the case of comprehensive disaster management in the Caribbean". *Information Technology for Development*, 25:1, 26–48, DOI: 10.1080/02681102.2018.1510363.
- **Smith, T.** & Charles, C. (2018). "A decomposed CKM model for better explaining customer satisfaction in the Jamaican public sector", *International Journal of Public Sector Performance Management*, Vol. 4, No. 4, pp. 41–432.
- **Spencer, A.** & **Chevers, D.A.** (2019). "Meeting and exceeding guest expectations: The influencing role of technology in Bahamian hotels". *Journal of Tourism Challenges and Trends*, 11, 9–30.
- **Tennant, S.** & Tracey, M. (2018) "Corporate profitability and effective tax rate: the enforcement effect of large taxpayer units". *Accounting and Business Research*, DOI: 10.1080/00014788.2018.1512398

### Book Chapter

- Elo, E. & Minto-Coy, I.D. (2019). “The concept of diaspora from the perspective of international business and economy”, in M. Elo & I.D. Minto-Coy, eds. *Diaspora Networks in International Business: Perspectives for Understanding and Managing Diaspora Resources and Business*. Germany: Springer (49 contributors from 30 countries)
- Elo, M. & Minto-Coy, I.D. (2019). “Towards a multi-disciplinary framing of diaspora networks in international business”, in M. Elo & I.D. Minto-Coy, eds. *Diaspora Networks in International Business: Perspectives for Understanding and Managing Diaspora Resources and Business*. Germany: Springer (49 contributors from 30 countries).
- Minto-Coy, I.D. & M. Elo (2018). “Transnational diaspora entrepreneurship and entrepreneurial ecosystems: Opportunities for diaspora engagement in the Caribbean”, *Dynamics of Caribbean Diaspora Engagement: People, Policy and Practice*, G.K. Danns, I.L. Griffiths & F. Yaw eds. Georgetown Guyana: University of Guyana Press, pp. 109–133.

### Non-Refereed Presentations

- Ahmad, T. (2019). Poster presentation entitled “*Mobile phones as a learning tool*”, mounted at The UWI Research Days 2019, February 8–9, 2019.
- Chevers, D. (2018). Presentation on Time Management to UWI’s First Year Students on September 13, 2018.
- Chevers, D. (2018). “*Information systems quality and success in Canadian software development firms*”, MSBM Brown-Bag Seminar, October 11, 2018.
- Chevers, D. & Spencer, A. (2019). Poster presentation entitled “*A comparative analysis of the impact of ICT on hotel guests’ satisfaction: The case of Jamaica and the Bahamas*”, mounted at The UWI Research Days 2019, February 8–9, 2019.
- Chevers, D. (2019) “*What it takes to do original research*” at Faculty of Social Sciences Graduate Research Students’ Seminar at the FSS Graduate Lounge/D102, Alister McIntyre Complex, March 5, 2019.
- Chevers, D. (2019) “*Taking advantage of your sabbatical leave*” at the MSBM Brown Bag session on April 11, 2019.
- Chionesu, K. & Lawrence, W. (2019). Poster presentation entitled “*Transforming Jamaica’s economic competitiveness*”, mounted at The UWI Research Days 2019, February 8–9, 2019.
- Chionesu, K. (2019). Chaired session entitled “*SMES & start-ups*”, at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.

- Crick, A. (2018). *“Fuelling the engine of academic and professional success for all: When to say No & when to say Yes”*, presentation to Holland High School Middle Management Team, Cardiff Hall, August 27, 2018.
- Crick, A. (2019). *“Communication and relationship management”* to Wolmer’s Boys High School Teachers on July 11, 2019.
- Crick, A. (2019). *“Customer service skills”* at a Caribbean Cement Company Training session held on July 15–16, 26 and 30, 2019.
- Crick, A. (2019). Chaired a session entitled *“Entrepreneurship, finance & ICTs”*, at the Mona School of Business and Management (MSBM) 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.
- Haughton, S. & Smith, T. (2019). Poster presentation entitled *“Jamaica’s transnational crime problems of drug trafficking and money laundering”*, mounted at The UWI Research Days 2019, February 8–9, 2019.
- Henry, P. (2019). Chaired the panel session entitled *“Going public: Funding and growing your business”*, at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.
- Lawrence, W. (2019). *“Internationalizing a financial firm: Business model evolution in the Caribbean”*, at the West Indies Economics Conference (WECON) at the UWI Regional Headquarters, Kingston, March 21, 2019.
- Lawrence, W. (2019). *“Using applied research to improve workplace productivity”* at the seminar on Applied Research Methods staged at Pollyanna Caterers Banqueters, 8 Stanton Terrace, Kingston, April 18, 2019.
- Lawrence, W. (2019). Chaired session entitled *“Audit, legal & regulatory issues for start-up & growth”* at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.
- Logan, T. (2019). *“SME financial transformation on Jamaica Stock Exchange Junior Market”*, at the Private Sector Organization of Jamaica (PSOJ), March 18, 2019.
- McBean, D. (2019). Presented *“Changing the culture: Enforcing statutory standards for public bodies’ accountability”* at Mona Law UWI Research Days 2019 Signature Event, Law Lecture Theatre 2, Faculty of Law, February 7, 2019.
- McNaughton, M. (2018). Panellist: *“Implementing agile business strategies...The public & private sectors approaches”*, 38th Annual HRMAJ Conference, Knutsford Court Hotel, November 14–16, 2018.
- McNaughton, M. (2018) Session Moderator: *“Protecting big data / Protecting rights”*, 6th National Cyber Security Conference, at the UWI’s Regional Headquarters, Mona, November 27–28, 2018.

- McNaughton, M. (2018). Panellist: *“Crime and productivity – The impact of electricity theft”*, JPS-MSBM Public Forum, December 5, 2018, at the UWI’s Regional Headquarters, Mona.
- McNaughton, M. & Rao, L. (2018). *“Agile enterprises and strategic digital leadership”* to Unicomer Jamaica (Courts) executives strategic planning retreat at the UWI’s Regional Headquarters, Mona, December 13, 2018.
- McNaughton, M. (2019). *“Scaling digital capacity building in the Caribbean”*, at Universidad de las Ciencias Informáticas (UCI), Havana, Cuba, February 28, 2019.
- McNaughton, M. (2018). Presented on the panel – *“Building capacity for the coming era of connectivity: The next billions”*, at the IEEE Global Humanitarian Technology Conference, in San Jose, October 18–21, 2018.
- McNaughton, M. (2018). Participated in Belize Open Week in Belize, a four-day space to promote multi-stakeholder collaboration under Open Government principles, in partnership with Trust for the Americas and the Department for Effective Public Management of the Organization of American States, October 30 - November 2, 2018.
- McNaughton, M. (2018) Chaired Panel at the JCS Knowledge Forum, on the topic: *“Data, artificial intelligence and society – Charting the way forward for digital Jamaica”* at the UWI Regional Headquarters, Mona on November 8, 2018.
- McNaughton, M. (2019). *“Business agility and digital transformation: Considerations for the modern utility”*, at the PSU workshop for the JPS iLEAD leadership development programme, Courtleigh Hotel, on March 13, 2019.
- McNaughton, M. (2019) Chaired panel at FST Public Lecture – *“AI and automation: Disruption or opportunity”*, March 27, 2019.
- McNaughton, M. (2019). *“Harnessing the value of open data by the private sector”*, at Belize Chamber of Commerce Open Data for Business Roundtable, Belize City on April 26, 2019.
- McNaughton, M. (2019). *“Scaling digital capacity-building in the Caribbean”* at MSBM Brown Bag Research Seminar on May 9, 2019.
- McNaughton, M. (2019). Chaired panel session entitled *“Unlocking entrepreneurship: AirBnB, diaspora & sustainability”*, at the Mona School of Business and Management (MSBM) 4th International Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.
- Minto-Coy, I.D. (2018) Panellist *“State of social enterprises in Jamaica”*. Panel title: *“Social Entrepreneurship. Existing legal forms in comparative law. Problems and challenges”*, 2nd International B Lawyers Conference at the Universidad Austral, in Puerto Montt, Chile, November 13–14, 2018.

- Minto-Coy, I.D. (2018) Session Moderator: *“Digital inclusion in education: Developing skills for an inclusive society”*, International Telecommunications Union Accessible Americas V Conference: Information and Communication Technologies for ALL”, Montego Bay, November 28–30, 2018.
- Minto-Coy, I.D. (2018) Session moderator: *“Technology & science - The promise of an easier life”*, Caribbean Academy of Sciences, Mona Visitor’s Lodge, Kingston, Jamaica November 28, 2018.
- Minto-Coy, I.D. (2019). Panellist *“How to govern diaspora from a homeland perspective”*, Diaspora Shaping International Business and Investment – a Critical Discussion, 44th European International Business Academy Conference, Poznan Poland. December 13–15, 2018.
- Minto-Coy, I.D. (2018). Panellist RJR/Gleaner Forum – The Exchange. Topic: *“Digital Entrepreneurship”*, aired live on Jamaica News Network (JNN) and replayed on TVJ. (December 18, 2018).
- Minto-Coy, I.D. (2019). Poster presentation entitled *“From the periphery to the centre: Start-up and growth strategies for minority diaspora entrepreneurs”*, mounted at The UWI Research Days 2019, February 8–9, 2019.
- Minto-Coy, I.D. (2019). Poster presentation *“The role of the diaspora in the growth and internationalisation of Caribbean enterprises”*, mounted at The UWI Research Days 2019, February 8–9, 2019.
- Minto-Coy, I. (2019). Chaired the Opening Plenary entitled *“Entrepreneurship, innovation and growth: Unlocking the potential in the Jamaica economy”*, at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.
- Minto-Coy, I. (2019). Chaired the Closing Plenary entitled *“Squeezing the orange economy”*, at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.
- Mitchell, A., Small, J., McKenzie-Russell, S. & Chevers, D.A. (2019). Poster presentation entitled *“The state of cybercrime in the Jamaican financial sector: A consumer perspective”*, mounted at The UWI Research Days 2019, February 8–9, 2019.
- Nicholson, L. (2019). Panellist: *“Youth in entrepreneurship”*, at European Union Forum for Solutions for Youth Unemployment, Internship, and Volunteerism (Poverty Reduction Project) held at the Mona Visitor’s Lodge, January 10, 2019. Excerpts from his presentation were featured in an article in the *Sunday Gleaner* of January 13, 2019.
- Rao, L. (2018). Presented *“Digital transformation readiness”*, at the NCB Digital Symposium 2018 themed *“Jumpstarting your Digital Transformation”* held at the Spanish Court, Kingston, November 1, 2018.

- **Rao, L. & McNaughton, M.** (2019). Poster presentation entitled “*The Caribbean disaster management knowledge broker: How do we know what we know about CDM in the Caribbean*”, mounted at The UWI Research Days 2019, February 8–9, 2019.
- **Rao-Graham, L.** (2019). Chaired a session entitled “*Entrepreneurial education*” at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.
- **Robertson-Hickling, H.** (2018). “*Encore careers: Doing what you want to do after retirement*”, as the guest speaker at the National Library of Jamaica’s Reitiree’s Lunch, September 26, 2018.
- **Robertson-Hickling, H.** (2019). Poster presentation entitled “*Many rivers to cross: Windrush DACA Caribbean migrant experiences*”, mounted at The UWI Research Days 2019, February 8–9, 2019.
- **Robertson-Hickling, H.** (2019). “*Preparing to lead*”, at the AMARI African Mental Health Research Initiative 2019 Annual Scientific Meeting, entitled “African Mental Health Leaders for the Next Generation” held at the Elilly Hotel In Addis Abba, Ethiopia, on March 21, 2019.
- **Robertson-Hickling, H.** (2019). “*Coping with the challenges of the new University of the West Indies*” as a part of The International Roundtable hosted by the Association of Commonwealth Universities (ACU) on Walking the Tight Rope Of Mental Health International Perspectives and Implications for HR, at the Association of Caribbean Higher Education Administrators (ACHEA) Conference at the Royalton Negril Resort & Spa, July 12, 2019. Slides no 1–25.
- **Smith, T.** (2019). Poster presentation entitled “*A buyer behavioural model for selling life insurance to young Jamaican adults*”, mounted at The UWI Research Days 2019, February 8–9, 2019.
- **Smith, T. & Haughton, S.** (2019). Poster presentation entitled “*Marketing a crime prone destination: Lessons from Montego Bay, Jamaica*”, mounted at The UWI Research Days 2019, February 8–9, 2019.
- **Smith, T. & Roberts, D.** (2019). Poster presentation entitled “*Flexible work arrangements in the Jamaican public sector*”, mounted at The UWI Research Days 2019, February 8–9, 2019.
- **Smith, T.** (2019). “*How to write a business case*”, presented at the MSBM Brown Bag seminar, MSBM Mona Campus, February 14, 2019.
- **Tennant, D. & Tracey, M.** (2019). Poster presentation entitled “*Corporate profitability and effective tax rate: The enforcement effect of large taxpayer units*”, mounted at The UWI Research Days 2019, February 8–9, 2019.



- **Thomas, R.** (2019). Keynote presentation *“Developing innovation, entrepreneurship and technology for global competitiveness”* at the University of the Commonwealth Caribbean Academic Conference on September 27, 2018. The full text was published in the AGENDA section of the Jamaica Observer of Sunday, January 13, 2019.
- **Thomas, R.** (2019). *“Unlocking the doors to your future”* at Campion’s Career Forum, February 4, 2019.
- **Thomas, R.** (2019). *“Understanding the opportunities and challenges of doing business in Jamaica; within the context of business in a global environment”*, as a part of the Clayton State University, Atlanta Study Abroad partnership with the MSBM, March 5, 2019.
- **Thomas, R.** (2019). Session Chair of Doctoral Consortium at the MSBM 4th Annual Business and Management Conference, held at the Jamaica Pegasus hotel, July 10–12, 2019.

## **AWARDS/GRANTS**

Members of the MSBM faculty were recognized and received awards (for their contributions to academic research), and grants (to enable them to conduct further research):

### **Awards**

- The Principal’s Research Awards for the Most Outstanding Researcher in the Faculty of Social Sciences 2017–2018, were presented to Drs. Indianna Minto-Coy and Delroy Chevers.
- The Principal’s Award for Research to Public Policy was presented to faculty member Dr K’adamawe K’nIfe.

### **Grants**

- The Center for Excellence (CoE) was awarded a J\$30M grant from the International Development Research Centre (IDRC) for a 14-month project from November 1, 2018 to December 31, 2019. The grant agreement is for the new phase of the Caribbean Open Data programme.
- Dr Indianna Minto-Coy received a grant for J\$27.2M from FHi360/LPD (Local Partnership Development) for “Facilitating an enabling legal environment for civil society and social enterprise development and civic participation in Jamaica”. Her co-lead on this project is Dr K’adamawe K’nIfe.
- Dr Indianna Minto-Coy was awarded a research consultancy (jointly with Jeremy Collymore – Barbados) from the United Nations Office for Disaster Risk Reduction’s UNISDR, in the amount of US\$16,500 to investigate *“Private sector*

*preparedness for enhancing resilience after Hurricanes Irma and Maria in Dominica and the British VIRGIN ISLANDS”.*

## **PUBLIC SERVICE**

The following is indicative of the public service activities undertaken by MSBM faculty and staff:

### **Dr Olivene Burke**

- Board of Directors, Centre for Leadership and Governance
- Member, Caribbean Area Network for Quality Assurance in Tertiary Education (CANQATE)
- Member, Violence Prevention Alliance
- President, Lions Club of Mona
- Member Advisory Board, JN Bank

### **Dr Anne Crick**

- Director, Board of the JMMB Group of companies and Chair, JMMB Corporate Governance Sub-Committee
- Deputy Chairman, College of Insurance of Professional Studies (CIPS) Board and Chair, Lecturer Evaluations Sub-Committee

### **Ms Shirley-Ann Eaton**

- Re-appointed as member of the Supervisory Committee under the Banking Services Act.

### **Dr K’Adamawe K’nIfé**

- Member, Board of Directors of the National Integrity Action.
- Member, Board of Directors, Ministry of Culture, Gender, Entertainment & Sport

### **Dr William Lawrence**

- Chairman of the Board of Trustees, Small Business Association of Jamaica (SBAJ)
- Board Member, Broadcasting Commission
- Member, Combined Board of Jamaica Business Development Corporation (JBDC), Micro Investment Development Agency (MIDA) and the Self-Start fund (SSF)
- Member, Jamaica Stock Exchange (JSE) Regulatory Committee & JSE/MIF Project Steering Committee



**Mrs Vanda Levy-McMillan**

- Member, Business & Management Standards Committee, University Council of Jamaica
- Assessor/Accreditation Officer, University Council of Jamaica

**Dr David McBean**

- Executive Chairman, Supreme Ventures Foundation
- Non-Executive Director, Mayberry Investments Limited

**Dr Maurice McNaughton**

- Member, National ICT Advisory Council (NICTAC)
- Member, Overseas Examination Commission (OEC) & Chair of Operations Committee
- Member, Victoria Mutual Building Society (VMBS) Board
- Chairman of the National Information Systems for Health (NIS4H) Steering Committee.

**Dr Indianna Minto-Coy**

- Member, Scientific Committee of the Joint International Conference of CEDIMES, IPAGEF (The Pan-African Institute of Financial and Economic Governance) & Africa Business & Entrepreneurship Research Society, CEDIMES Institute USA, School of Business and Economics, State University of New York, Campus of Plattsburgh.
- Member, Jamaica Stock Exchange (JSE) Best Practices Investor Relations Sub-Committee
- Member, Board of Directors, GraceKennedy Company Limited

**Dr Lawrence Nicholson**

- Chairman, Steering Committee of the Poverty Reduction Project (PRP) a European Union-Backed committee.

**Mr Michael Roofe**

- Director, Kingston Legal Aid Clinic and Chair of Finance Committee.

**Dr Trevor Smith**

- Member, National Conservation Trust Fund of Jamaica

**Mr Michael Williams**

- Member, Jamaica Chamber of Commerce (JCC) Conference Committee Board

## STUDENT ACHIEVEMENTS

MSBM students continued to make their mark with their outstanding achievements during the period under review. We list some of the more significant accomplishments below:

- Five DBA students successfully defended their theses in their Oral Examinations – Silburn Clarke, Archibald Campbell, Stanley Beckford, Noel Morgan, and Tamara Silvera.
- MSBM students from the UWI Tourism Society entered the Jamaica Tourist Board (JTB) and Global Travel and Tourism Partnership (GTTP) Case Study Research Competition, and were selected to represent Jamaica in the 2018 GTTP Research Competition and Awards held in Nice, France from November 30–December 5, 2018. Our students have won on all four occasions of entering the competition.
- Three MSBM Tourism Management students made it to the final round of the Caribbean Students Colloquium, hosted by the Caribbean Tourism Organisation. They went on to present at Caribbean Week in Manhattan, New York from June 1–6, 2019, where they won 2nd place, vying against Tobago Hospitality and Tourism Institute, University College of the Cayman Islands and Monroe College, NY. This significant regional competition has not had an entrant from UWI Mona for five years, so our advance to the final round was quite significant.
- NCB Group Ltd, through its subsidiary NCB Capital Markets Ltd, partnered with the School to sponsor a student Investment Challenge. The winners received bursaries from NCB – the Undergraduate and Graduate Winners both received internship opportunities from NCBCM and \$1,000,000 each.

# CENTRE FOR HOTEL & TOURISM MANAGEMENT

**Dr. Michelle McLeod**, PhD, MSc, Pg. Dip. MIS, BSc, Pg. Cert. Education Practice, Dip. Tourism, FHEA, MIH – **Acting Director**



## WORK OF THE DEPARTMENT

**The revised Vision and Mission statements** were finalized and read as follows:

**The vision** of the UWI's Centre for Hotel and Tourism Management is to be the leading Centre for tourism and hospitality studies in the Caribbean region through the provision of learning opportunities in a Bahamian environment.

**The mission** of the UWI's Centre for Hotel and Tourism Management is to provide advanced education and training in tourism and hospitality studies in an environment consistent with international standards for such educational activities and supported by cutting edge research.

**Quality Assurance:** The Centre submitted its Self Assessment Report on Tuesday 15th January, 2019. A meeting was held with all staff members on Wednesday 9th January, 2019 to discuss the report. The University Council of Jamaica (UCJ) plans to visit the Centre on Thursday 21st, February, 2019.

**New Programmes:** Some of the courses on the MSc. Hospitality Management programme were changed to reflect the approved number of credits. The BSc. Hospitality Operations Management (Special) is being finalised.

An advertisement was placed in the Nassau Guardian on Thursday 14th February, 2019 to promote the MSc. Hospitality Management. Efforts continue to meet with various stakeholders and human resource departments to promote the programmes.

**Appointments:** Dr. Michelle Black has been appointed as the Chair of the Centre's Research and Outreach Committee. Mr. Mark Lewis has accepted the nomination to be the CHTM Representative on WIGUT.

**Quality Assurance and Re-accreditation:** The upcoming visit by the Quality Assurance Reviewers and UCJ Assessors will take place during the week of 18th February, 2019. Professor Anna Leask the lead of the QA team will deliver a Lecture about 'The role of visitor attractions in destination development' on Thursday 21st February, 2019 at 3 pm in the UWI House Restaurant.

**Recruitment of Bahamian students:** Quality Assurance Reviewers suggested that more Bahamian students be recruited to the Centre. In that regard, Dr. McLeod is in the process of meeting with all institutions offering Associate Degrees, registered with the National Accreditation & Equivalency Council of the Bahamas (NAECOB). Dr. McLeod has met with the following persons and institutions to discuss students with Associate Degrees enrolling at the UWI-CHTM:

- Mr. Carlton M. Neymour, President, Southern College (5/3/2019) – Associate of Science Degrees: Hospitality & Tourism Management; Management; Business Administration; and Human Resource Management.
- Ms. Vernetta Ferdinand, Acting President, The Bahamas Baptist Community College (15/3/2019) – Associate of Arts Degrees (Majors): Human Resource Management; Management; and Marketing.
- Mr. Philip A. Curry, President, Cyber Tech Career College (19/3/2019) – Associate Degrees: Hospitality Management; Business Administration; Marketing; Human Resource Management.

Dr. McLeod met with the following persons and institutions to discuss students with Associate Degrees enrolling at the UWI-CHTM:

Dr. Forbes, President, Bahamas Institute of Business and Technology (26/3/2019)–

- a. Associate Degree in Restaurant Management;
- b. Associate Degree in Travel and Tourism Management;
- c. Associate Degree in Business Administration;
- d. Associate Degree in Human Resource Management;
- e. Associate Degree in Management;
- f. Associate Degree in Marketing Management.

Dr. Hazel Jupp, President, Omega College (26/3/2019) –

- a. Associate of Business Administration in Management
- b. Associate of Business Administration in Organization and Human Resource Management.

Dr. Donna Wilson, Executive Director of The Council of Community Colleges of Jamaica (CCCJ) was contacted and a meeting was held to discuss the transfer of students with hospitality management degrees to The UWI Centre for Hotel and Tourism Management. The CCCJ stated that the hospitality degree is its flagship programme and has over 400 students.

Report of the Quality Assurance Review of the Centre for Hotel and Tourism Management (Bahamas) in the Faculty of Social Sciences was submitted on 25th April, 2019.

A proposed partnership letter was sent to Ms. Genevieve Dixon, Corporate Director of Human Resources of the SunSwept Resorts in St. Lucia.

## PRESENTATION

- **Lewis, M.** (2019). Guest Speaker at the Securities Commission of the Bahamas – Continuous Professional Development Seminar, April 2019, Nassau, Bahamas. (Presented on IFRS 16 – Leases; IFRS 9 Financial Instruments).
- **McLeod, M.** – Guest lecture about Caribbean Tourism to International College of the Cayman Islands students who visited CHTM.
- **McLeod, M.** – Presented on October 24th, 2018 about “Developing a Network Analysis Methodology”.

## PUBLICATION

- **McLeod, M.** (2020) *Tourism Governance, Panarchy and Resilience in The Bahamas*. In Rolle, Minnis and Bethell-Bennett (Eds.), *Tourism Governance and Sustainability in The Bahamas*. Oxon: Routledge.

## PUBLIC SERVICE

- A Research Talk Series has started at CHTM. Dr. Tony Frankson presented on September 14th, 2018 about “Engaging in Research Collaboration”.
- The UWI Alumni Association Bahamas Chapter will host a ‘Back to UWI Weekend’ from November 16th to 18th, 2018. The Centre has been involved in the planning and execution of the events.

### McLeod, M.

- Member, Planning Committee for the CHTM Reunion 2020 Nassau that will be held from 1st to 4th October, 2020 in Nassau.
- Attended a Labour Symposium at the National Training Agency on Monday, 17th September and participated in the hospitality group discussions.
- Member, The Scientific Committees for Tourism Naturally Scientific Conference and International Research Symposium in Tourism, Hospitality and Events.
- Guest on radio programme Blue Print for Change, hosted by Michael Diggiss.
- Member, Planning Committee for CHTM Reunion 2020 Nassau, Bahamas.

## STUDENTS

- **Major, V** – New Student Orientation, August 25, 2018
- **Major, V** – Grill Competition (House Competition), Pond Clean up – Environment Awareness (Charitable work), Student Pot Luck (Big Brother/Big Sister)
- **Lewis, M & Carey, Charis** – Established a Student Liaison Committee at the CHTM. Regular meetings of the Committee have started in 2018/2019.



# SIR ARTHUR LEWIS INSTITUTE OF SOCIAL AND ECONOMIC STUDIES

Professor Aldrie Henry-Lee, BSc, MSc, PhD – University Director

## OVERVIEW

For the academic year 2018/2019, the SALISES staff focused on aggressively implementing the Institute's strategic plan. Individual units drafted and began the implementation of their operational plans directed by The UWI's Triple A goals of Access, Alignment and Agility; which were also governed by SALISES' strategic principles of transformation, excellence, accountability and mission-driven work (TEAM).

SALISES sought to increase access for students through the conversion of the MSc Development Studies programme from face-to-face delivery mode to an online delivery platform. This transformational activity will result in increased regional and global access to SALISES' MSc in Development Studies. The online programme is expected to commence in the 2020/2021 academic year.

SALISES' alignment with the needs of the Caribbean region was demonstrated when the Institute was awarded the 2019 Principal's Research Awards for the "Research Project with the Greatest Business/Economic/Development Impact in the Faculty of Social Sciences (FSS)." The Institute also won the award for the FSS "Research Project Attracting the Most Research Funds." Both projects involved multidisciplinary teams including Professor Aldrie Henry-Lee, Dr Arlene Bailey, Dr Patricia Northover and Dr Jimmy Tindigarukayo.

Further alignment and public advocacy were demonstrated when Dr. Patricia Northover's children's animation film, "Ms Sugga," which was produced as part of an effort to review and rethink rural development issues, was shortlisted in February 2019 as a finalist for the Kingston Animation Festival in the category "Best Short Caribbean Film."

In an effort to strengthen SALISES' international presence (Agility), collaborative links in the areas of teaching and research were established with The Institute of

Development Studies, University of Prince Edward Islands, Humber College and the Universität Kassel as part of our alignment goals. To date, the partnerships have resulted in student visits, local seminars and training workshops as well as a Research Fellow being awarded a scholarship to conduct research for 5 months at the University of Prince Edwards.

SALISES' efforts to increase accountability was further strengthened by the establishment of an Advisory Board in November 2018. The first meeting was held on June 20, 2019.

This academic year, the public engagement with current critical issues affecting developing states was very high. A total of 22 seminars were also held; "Jamaica's Crime Plan," "The Grenada Revolution after 40 years" and "From Windrush Generation to Brexit," to name a few.

I want to take this opportunity to thank the members of the SALISES TEAM for their continued support and commitment to the fulfillment of SALISES' strategic objectives.

## **WORK OF THE DEPARTMENT**

### **DEREK GORDON DATABANK**

Our Databank continued to fulfill its mission to source, acquire, document, archive and make available micro data sets from the Caribbean region. During the academic period under review, three micro data sets were acquired:

- Jamaica Women's Health Survey 2016 – STATIN
- Trinidad and Tobago Women's Health Survey 2017
- Jamaica Youth Activity Survey 2016 – STATIN

The Databank also continued to use the cataloging tool, NADA, for online documentation of all data sets. NADA is a web-based cataloging system that serves as a portal for researchers to browse, search, compare, apply for access, and download relevant census or survey information.

As part of its income generating activities, the Databank provided SPSS training workshops to the Office of the Public Defender (OPD) and the Social Development Commission (SDC).

### **Norman Girvan Documentation Centre**

The Norman Girvan Documentation Centre continued to deliver invaluable information and library service to graduate students at The UWI and more specifically to those in

the Social Sciences. Other local and overseas researchers also utilised the facilities, especially visiting lecturers, research fellows and graduate school students.

The Centre also continued to work with the Main Library to increase access to online databases while at the same time acquiring relevant print documents including government documents, both local and overseas, UN reports and those of international agencies, work produced by SALISES fellows and other staff members of the Faculty including conference papers.

### **Publications Section**

The Publications Section recently introduced an academic journal management software as a part of its peer review process. The Scholastica software allows editorial teams and publishers to streamline their peer review process making it timely and cost effective. It is anticipated that the use of this software will result in a more efficient peer review process for the *Social and Economic Studies (SES) Journal*.

### **PAPERS PRESENTED**

- **Bailey, Arlene.** “Monitoring and Evaluation in the Caribbean” Panel, Caribbean Evaluators International / SALISES, June 6, 2019 (panel presentation).
- **Bailey, Arlene.** “Internet Access as a Human Right: Exploring Policy Implications in the Caribbean,” SALISES 20th Annual Conference, May 7–10, 2019, Barbados.
- Grant, C. and **Bailey, Arlene.** “Exploring Audience Preferences in a Developing Country Context: An Analysis of Viewer Response to Local and Foreign Programmes and Advertisements in Jamaica,” Critical Studies in Television Conference, September 5–7, 2018, Edge Hill University, UK.
- **Bailey, Arlene, Henry-Lee, Aldrie, Johnson-Coke, Yhanore, Leach, Richard, Clayton, A., Gee, M., & Browne, O.** (2019). “ICT Use in the Context of Electricity Access in a Developing Country: A Choice Framework Analysis.” In (Eds. Nielsen, P. & Kimaro, H.) 15th IFIP WG9.4 International Conference on Social Implications of Computers in Developing Countries (pp. 27–38). Springer, Cham.
- **Bailey, Arlene.** “Fighting Poverty with Data” Panel, 11th Annual SIG GlobDev Workshop, December 13, 2018, San Francisco, USA.
- **Dietrich Jones, Natalie.** “The Venezuelan crisis and its implications for small island developing states in the Caribbean Basin, Regional Responses to the Venezuela Migration Crisis,” coordinated by the Stanley Foundation and CRIES Caribbean Studies Association 2019 Conference, Santa Marta, Colombia 3–7 June, 2019.



- Margarita Fourer, Yusuf Ciftci and **Dietrich Jones, Natalie**. “Third countries, asylum frameworks and disembarkation platforms: past lessons for current times,” Refugee Law Initiative 4th Annual Conference (Rethinking the ‘Regional’ in Refugee Law and Policy), University of London, 3–5 June, 2019.
- **Dietrich Jones, Natalie**. “Does size matter? Critical reflections on the process of undertaking qualitative research on forced migration in small island developing states,” 20th Annual SALISES Conference, Hilton Hotel Barbados 8–10 May, 2019.
- **Dietrich Jones, Natalie**. “(In) dependence? The impact of domestic and foreign-policy related events on tourism from Venezuela to Aruba and Curacao,” 20th Annual SALISES Conference, Hilton Hotel Barbados 8–10 May, 2019.
- **Dietrich Jones, Natalie** and Leslie, Dacia. ‘The UK Prison Deal’: Implications for State Sovereignty & Citizen Security Workshop on Security, Borders and International Development: Intersections, Convergence and Challenges,” University of Warwick, 25–26 April, 2019.
- Fourer, Margarita, **Dietrich Jones, Natalie** and Ciftci, Yusuf. “Third countries, asylum frameworks and disembarkation platforms: past lessons for current times, IMISCOE Spring Conference Transforming Mobility and Immobility: Brexit and Beyond,” University of Sheffield, 28–29 March, 2019 (presented in absentia).
- **Dietrich Jones, Natalie**. Human mobility in the context of climate change and disasters in the Caribbean Migration Consultations “Towards a Framework for Regional Cooperation on Human Mobility in the context of disasters and the adverse effects of climate change in the Caribbean.” Port of Spain, 6–7 June, 2019.
- **Dietrich Jones, Natalie**. Poster presentation. “Assessing sovereign and non-sovereign small island developing states’ capacity to respond to displaced populations: The case of the Anglophone Caribbean” UWI/Royal Society (UK) Frontiers of Science Meeting, 19–21 March, 2019 (funding providing by the Royal Society).
- **Dietrich Jones, Natalie**. “The Venezuelan crisis and its implications for small island developing states in the Caribbean Basin, Regional Responses to the Venezuela Migration Crisis,” coordinated by the Stanley Foundation and CRIES (Coordinadora Regional de Investigaciones Económicas y Sociales), Hilton Hotel, Panama, 27–28 September, 2018.
- **Gilbert-Roberts, Terri-Ann**. “The Missing Peace in the Global Securitization of Youth”. Presentation to SALISES Staff Seminar, Mona, Jamaica, December 5, 2018. (Based on work conducted for UN Advisory Group of Experts on Youth Peace and Security).

- **Henry-Lee, Aldrie.** “Invisible Sufferers” Children and Female Incarceration. 13th Annual Caribbean Child Research Conference, Trinidad and Tobago on November 15–16, 2018.
- **Henry-Lee, Aldrie.** ‘We have rights? Really? The CRC @ 30 and Caribbean Children.’ 20th Annual SALISES Conference, Barbados, May 7–10, 2019 (oral presentation).
- **Leslie, Dacia.** “Children in conflict with the law in Jamaica,” Presentation to the Core Working Group and the Canadian Bar Association under the Social Component of the Justice Undertaking for Social Transformation (JUST) Project. Jamaica Conference Centre, 14th May 2019 (oral presentation).
- **Dietrich Jones, N & Leslie, Dacia.** “The UK Prison Deal’: Implications for State Sovereignty & Citizen Security”, Workshop on Security, Borders and International Development: Intersections, Convergence and Challenges 25–26 April 2019, University of Warwick Jointly organised by the Criminal Justice Centre (CJC) and the Centre for Law, Regulation and Governance of the Global Economy (GLOBE), Warwick Law School Supported by the Warwick Law School and Socio-Legal Studies Association (SLSA), 33 pages (written and oral).
- **Leslie, Dacia.** “Giving attention to youth in conflict with the law,” A Panel Discussion and UWI Research Day Event themed ‘Revisiting Jamaica’s Crime Plan’ organized by SALISES, CPOM research cluster in collaboration with the Institute of Criminal Justice and Security and The Crime, Security and Justice UWI Research Cluster, 7th February, 2019 (oral presentation).
- **Leslie, Dacia.** “Our Youths Are the Future? The suicide challenge and realising SDG 3,” SALISES Staff Seminar, 30th January, 2019 (oral presentation).
- **Leslie, Dacia.** “Reassessing Prison Conditions in Jamaica,” 20th Annual SALISES Conference: Rethinking Caribbean Futures: New Paradigms, Possibilities and Policies, Hilton Resort, Barbados, 7 May, 2019 (oral presentation).
- **Leslie, Dacia.** & Centifanti, C. M. “Children left-behind due to parental incarceration,” 13th Annual Caribbean Child Research Conference: Leaving No Child Behind: 2030 Agenda, The University of the West Indies, St Augustine, Trinidad, 16 November, 2018 (oral presentation).
- **Leslie, Dacia.** “Youth offender management and reintegration,” Webinar#4 Reducing recidivism and promoting effective reintegration. Community, Family and Youth Resilience (CFYR) Program- Caribbean Learning for Youth Networking and Change Sessions (LYNCS), 19th November, 2018 (oral presentation).
- **Northover, Patricia.** “Rethinking With Lewis the Problem of Progress: Race, Primitive Accumulation and The Production Of Black Holes.” 20th Annual SALISES Conference, Hilton Hotel Barbados 8–10 May, 2019.

- **Northover, Patricia.** “ The Moral Economy of Debt: Unsettling Paradoxes of Neoliberal Market Creeds ” paper presented for The Moral Economy of Markets- Constituting and Resisting Relations of Power, Duke University, Kenan Institute of Ethics, February 7, 2019.
- M. Crichlow and **Northover, Patricia.** “Race, Space and the Politics of Place in Hispaniola: Notes on Primitive Accumulation.” Keynote paper for Conference on Neoliberalism in the Americas, Duke University, January 25 and Featured as talk for the Franklyn Humanities, Breakfast series 2019.
- **Paul, Annie.** “On Stuart Hall” (by invitation) The Sea is History: Discourses on the Poetics of Relation – A two-day international conference at the Museum of Cultural History, organized in collaboration with Goethe-Institut, Oslo, May 23, 2019.
- **Paul, Annie.** “Gallery and Street Space. Panel conceptualized and chaired at the 6th Global Reggae Conference – Reggae Innovation and Sound System Culture II,” The University of the West Indies, Mona Campus and Birmingham City University, February 13–16, 2019.
- **Paul, Annie.** “Prefiguring the 21st century in Caribbean writing: PREE and Creolescapes.” 37th West Indian Literature Conference. University of Miami – Dept. of Literatures in English & Hemispheric Caribbean Studies, October 4, 2018.
- **White, Thelma** and Nicholas, Pauline. “Digital Learners in Higher Education at the University of the West Indies, Jamaica: Is Generation Use of ICT Different in the Age Groups?” SALISES Annual Conference, Hilton Barbados Resort, May 10, 2019 (oral presentation).
- **Williams, Kevin.** “Has the finance-growth link been broken? Panel data evidence from Latin America and the Caribbean.” 20th Annual SALISES Conference, Barbados, May 7–10, 2019.

## PUBLICATIONS

### Books & Monographs

- **Leslie, Dacia.** *Recidivism in the Caribbean. Improving the reintegration of Jamaican ex-prisoners.* London: Palgrave Macmillan, 2019.
- Crichlow, M., **Northover Patricia.** and Guisti Cordero, J. (eds.) *Race and Rurality in the Global Economy Binghamton.* SUNY Press, 2018. <https://www.sunypress.edu/p-6616-race-and-rurality-in-the-global.aspx>

### Refereed Journal Articles

- **Bailey, Arlene, & Osei-Bryson, K. M.** "Contextual reflections on innovations in an interconnected world: theoretical lenses and practical considerations" in *ICT4D – Part 1. Information Technology for Development*, 24, 3, (2018): 423–428, Routledge / Commonwealth Secretariat.
- **Bailey, Arlene (guest editor)** "Caribbean Action 2030 and the Sustainable Development Goals (SDGs)," *Social & Economic Studies*, 67, 4, (2018): 1–5.
- **Osei-Bryson, K. M., & Bailey, Arlene.** "Contextual reflections on innovations in an interconnected world: theoretical lenses and practical considerations" in *ICT4D – Part 2. Information Technology for Development*, 25, 1, (2019): 1–6, Routledge / Commonwealth Secretariat.
- **Khan, R., Thwaites, N., Williams, H., McLennon, M., O'Connor, D., Roberts, A., Browne, K., Daniel, D., Francis, C., Hall, K., Sparkes, K and Bailey, Arlene.** "Community-Based Approaches to Assessing and Measuring the Sustainable Development Goals." *Social and Economic Studies*, 67, 4, (2018): 67–93.
- **Berthin, Gerardo and Terri-Ann Gilbert-Roberts.** "Explaining Youth Policy Participation in Latin America and the Caribbean through Social Audit Processes". *Revista Olhares Amazônicos*, 6 (2), (2018): 1186–1221.
- **Leslie, Dacia** "Transplanted bodies & ideas. Review of Janice A McLean-Farrell, West Indian Pentecostals: Living their faith in New York and London." *International Sociology Reviews*, 33 (5), (2018): 643–646.
- **Williams, Kevin.** "Has the finance-growth link been broken? Panel data evidence from Latin America and the Caribbean." *Economía*, 19, 3, (2018): 404–423.
- **Williams, Kevin.** "Do political institutions improve the diminishing effect of financial deepening on growth? Evidence from developing countries." *Journal of Economics and Business*, 103 (2019):13–24.

### Non-Refereed Book Chapter

- **Gilbert-Roberts, Terri-Ann P.** (2018). "In Service of My Fellow Citizens". In Freeman, Ru and Kerri Kennedy (Eds.), *Indivisible: Global Leaders on Shared Security*. Northampton, Massachusetts: Olive Branch Press/Interlink Publishing. (pp. 251–256).

### Technical Reports

- **Leslie, Dacia.** 2019. Operational review (An Interim Report). Process Evaluation, Ministry of Labour & Social Security On The Job Training (Pilot) Project.

- Leslie, Dacia. 2019. Report on the recommendations for the roll-out of the OJT Programme in the Operations of the Public Assistance Division of the Ministry of Labour and Social Security. Process Evaluation, Ministry of Labour & Social Security On The Job Training (Pilot).

## INCOME GENERATED

The table below indicates the sources of income generation for the academic year 2018/2019.

Income Source	Income (\$)	Expenditure (\$)
Tuition	9,704,426	6,735,927
Subscriptions	2,327,031	1,784,309
Printing Services	885,938	1,954,802
Research Grants/Projects and Consultancies	1,969,682	
<b>Total</b>	<b>14,887,077</b>	<b>10,475,038</b>

## PUBLIC SERVICE

### Arlene Bailey

- Member, National 2021 Census Technical Committee, Jamaica
- Senior Editor, Electronic Journal of Information Systems in Developing Countries (EJISDC)
- Wiley Associate Editor, Information Technology for Development, Routledge / Commonwealth Secretariat
- Editorial Board Member, Information Technology for Development, Routledge, Taylor and Francis
- Vice-Chair, Research – Association for Information Systems Special Interest Group on ICTs and Global Development (AIS SIG GlobDev).
- Secretary, International Federation for Information Processing Working Group 9.4 on the Social Implications of Computers in Developing Countries (IFIP WG 9.4)
- Workshop Co-Chair, Association for Information Systems SIG GlobDev 11th Annual Pre-ICIS Workshop, December 12–13, 2018, San Francisco, USA.

**Natalie Dietrich Jones**

- Moderator and panel organizer, Managing migration in the Caribbean at the invitation of and in collaboration with the OECS Regional Security System, Government Information Service, Hewannora House, Pointe Seraphine, Castries, St. Lucia, 5 March 2019
- Interview, World Migrant's Day (RJR Jamaica) to work of the SALISES Migration and Development Cluster, 18 December 2018
- Guest presenter, Beyond the Headlines (RJR Jamaica) to discuss the implications of the Venezuelan migration crisis on small island developing states in the Caribbean, 24 October 2018
- Member, National Working Group on Migration and International Development, coordinated by the Planning Institute of Jamaica. Participation in review seminars of Global Compact for Safe and Orderly migration and IOM validation workshop of SDGs and Government of Jamaica Policy on Migration and Development

**Terri-Ann Gilbert-Roberts**

- Member of Advisory Board of Caribbean Regional Youth Council
- Member of the Board of Directors of the National Integrity Action, Jamaica

**Aldrie Henry-Lee**

- Sunday School Teacher, Saints Peter and Paul Church, 120 Old Hope Road, Kingston, Jamaica
- Project leader for Hosting of Prayer Breakfast to honour persons who empower persons with disabilities. Prayer Breakfast organized by the Kiwanis Club of New Kingston.
- Elected Director (Service Leadership Programme); Kiwanis Club of New Kingston.

**Richard Leach**

- Member of Steering Committee – Jamaica Survey of Living Conditions
- Member of Steering Committee – Jamaica Census 2021

**Dacia Leslie**

- Member, Monitoring and Evaluation Technical Review Committee, National Poverty Reduction Programme, Planning Institute of Jamaica.
- Member, Core Working Group in collaboration with the Canadian Bar Association. The development of two position papers advocating for select gender-related legislative reforms as part of the Social Component of the Justice Undertaking for Social Transformation (JUST) Project.

- Local Coordinator, Humber College Study Abroad Programme, School of Social & Community Services, Humber Institute of Technology & Advanced Learning.
- Mentor, We Transform Youth Empowerment & Reintegration Programme, The Ministry of National Security & The Department of Correctional Services, Jamaica.
- Founder and Director, Mayeltha and Gwendolyn Foundation Limited, NGO established to help improve the life chances of invisible children throughout the Caribbean Region.

**Patricia Northover**

- Associate Editor, Cultural Dynamics: Insurgent Scholarship on Culture, Politics and Power
- Excelsior High School Scholarship and Welfare Committee
- 2019 Invited participation in the Inaugural Center for Global Inequalities in Temporal and Spatial Perspective. Universidade Federal Fluminense (UFF), Instituto de Historia, Campus do Gragoata, Brazil

**Annie Paul**

- Board member, National Gallery of Jamaica and Chair, Exhibitions Committee
- Board member, Cinema Paradise, the Portie film festival, a Great Huts initiative.
- Board member, JAMCOPY
- November 1, 2018: Moderated panel consisting of Actor Carl Bradshaw, Writer Ann Margaret Lim and Producer Lennie Little White on the film Countryman at the gala opening of Cinema Paradise, Rooftop Lounge, Hotel Pegasus, Kingston.

# FACULTY OF SPORT

## Mona

Year ending July 31, 2019



**DR. AKSHAI MANSINGH, JP**  
**MBBS (UWI), FACS, MSpMed (UNSW), DM (Ortho)**  
**DEAN**



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# *Dean's Overview*

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## **EXECUTIVE SUMMARY**

The Faculty of Sport entered its second year of existence in 2018–2019. Having spent the first year in establishing regulations and modifying ordinances of the University to define the Faculty, the second year was to start academic programmes, bolster existing programmes and spread programmes across all campuses. New programmes for the following academic year also had to be formulated and passed through the scrutiny of the University's quality control process. A Curriculum Development Specialist joined the Dean's Office to guide this process. New Heads of Academies of Sport were appointed in two Academies.

On the playing field the Faculty was instrumental in seeing some historic events, especially in cricket. The Combined Campuses and Colleges (CCC) cricket team created history by winning the Regional 50 over competition. This was followed by victory in the UWI World Universities T20 tournament, put on by the Faculty of Sport. Our Footballers, and Track and Field Athletes continued to perform well in local competitions as well as many representing their nations internationally. All other sports showed improvements in standing in their respective competitions. The Faculty signed a Memorandum of Understanding (MOU) with the Argentine Football Association through the Argentine Embassy in Barbados. This will allow exchange of coaches and players.

Cricket West Indies (CWI) will be offering their Level II coaching programmes through the UWI following the setting up of the syllabus and course delivery modules. This was previously executed by a partnership between CWI and the English Cricket Board.

Outreach activities were possible through grants and partnerships, with the Caribbean Development Bank (CDB) enabling projects in Jamaica, Trinidad and Barbados. The Pace Like Fire campaign enabled scouting of Fastbowlers in Six Countries and was televised in a series on Flow Sports. The Open Campus Academy of Sport was able to perform outreach activities including assisting many territories with developing their Sport Policy.

**Deans Office Set Up**

Dr Akshai Mansingh – Dean

Ms Asenath Sharpe – Administrative Officer

Dr. Claudette Coote-Thompson – Curriculum Development Specialist

Mr Daren Ganga – Project Officer

Ms Patrene Curtis – Administrative Secretary

**Academy Set up**

Cave Hill Academy of Sport – Head: Mrs Amanda Reifer

Mona Academy of Sport – Head: Dr Sharmella Roopchand-Martin

Open Campus Academy of Sport – Head: Mr Kervin Jean

St Augustine Academy of Sport – Acting Head: Professor Funso Aiyejina

The Faculty of Sport oversees all campuses through an Academy of Sport on each campus. These academies are Departments of the Faculty, each with sections focussing on Academic and Research Activities, Sporting Activities and Outreach programmes. The Mona Academy of Sport also has a Section of Sports Medicine. When the Faculty was formed, these were clearly defined, but posts were not created to fill the need. Till now there remains no defined new posts to address these needs on any of the Academies.

The Open Campus appointed Mr. Kervin Jean as Head of the Open Campus Academy of Sport. He comes with a strong background in Sport Policy. Prof. Emeritus Funso Aiyejina joined as acting Head of the St. Augustine Academy of Sport. His institutional knowledge has assisted immensely in shaping the structure of that Academy.

**ACCESS****Academic Activities and Research (Programmes and Enrolment)**

There were programmes delivered at all levels by the Faculty. On campuses where there were no programmes, provisions were made to have them ready for the upcoming academic year.

The Sport Science Programmes at Cave Hill were transferred to the Faculty of Sport. All administration of this programme is done through the Cave Hill Academy of Sport where this programme resides. The MSc Sport Science programme, which offers a double degree with the University of New Brunswick in Canada had suffered low

enrolment in the last few years. Its survival was assured by Scholarships offered by the Government of Barbados for the next academic year. A total of 106 students transferred or joined the BSc and MSc Sport Science Programmes.

The Faculty's first indigenously produced programmes, the BSc Sport Coaching and the BSc Sport Coaching commenced through the Mona Academy of Sport. The enrolment was low, mainly due to late official notification for the approval of the Bachelors programmes, which was received three weeks prior to the start of the new Academic year at Mona. Advertisement of the programme could only commence thereafter, and many of the potential students had already signed for other programmes. The initial intake was 22 students, but projections already have this tripled in the next year.

These programmes will be offered on other campuses in the following year with the respective AQAC committees at St. Augustine Campus and Open Campus approving their delivery in the upcoming academic year. Additionally the Open Campus approved delivery of BSc Sports Leadership and Management.

The Mona Academy of Sport commenced the UWI/FIFA/CIES Sport Management Diploma in collaboration with the Faculty of Social Sciences in St. Augustine which has been offering this programme on that campus.

The Certificate course in the Art and Science of Coaching was transferred to the Faculty of Sport for delivery in the upcoming academic year. It is currently delivered by the St. Augustine Academy of Sport on behalf of the Faculty of Humanities and Education.

A Co-curricular course on Minding Sport was introduced by the Open Campus Academy of Sport, and Maths for Sport was developed at the Mona Academy of Sport to enable students without to fulfil matriculation requirements.

The Sports Medicine Programmes saw an increase in students in both MSc Programmes with 5 students joining each programme. This included students from Botswana. The MPhil / PhD programme was also offered at the Mona campus. However, it was decided to commence it in the next academic year. In preparation for the upcoming academic year, MSc programmes in Interdisciplinary Pain Management, Sport Coaching, Sport Kinetics, Sport Biomechanics, Strength and Conditioning were approved. Each has provisions for Certificate and Diplomas to be offered to those who do not chose to end at that stage.

Publications in peer reviewed journals were through the Mona Academy of Sport. The Faculty also commenced a fortnightly column in the Trinidad Guardian Newspaper entitled "Sport Matters" to which faculty members have contributed articles.

## **SPORTING ACTIVITIES**

The Sports activities in all Academies remained at a high level, with the football and cricket teams in Cave Hill and Mona competing in the highest competition of those countries. Many athletes competed for their countries in many different sports across the region.

The highlight of the year however was the first ever victory in the Regional 50 Over Competition of CWI. The team was captained by Carlos Brathwaite, an alum and captain of the West Indies T20 team. Coach Floyd Reifer prepared the team well after a change in selection procedure saw improvements in that process. Towards the end of the competition, Mr. Reifer was called to coach the West Indies A team, and the CCC team was ably guided to Championship victory by Coach Pedro Collins. Floyd Reifer has since been appointed the interim Head Coach of the West Indies Cricket Team.

In January 2019, the Faculty Hosted the Inaugural World Universities T20 Competition in St. Augustine. The CCC team prevailed against Oxford University in the Finals, under Coach Pedro Collins. This competition was held in conjunction with the Caribbean Premier League (CPL), and five top players were guaranteed spots to train with CPL Franchise teams in the upcoming competition.

Fredric Dacres of Mona Campus was voted the Sportsman of the Year in Jamaica and remained one of the leading discuss throwers in the World this year.

An MOU was signed with the Argentine Football Association opens the door for a CCC Football team. Additionally, collaboration with coaches and player exchange would enhance offerings to our players and coaches.

The UWI SPEC Half Marathon remains a feature on the Trinidadian Athletic calendar. This year's participants included the UWI Chancellor and the Trinidad and Tobago Minister of Sport.

Staff across all Academies were instrumental in the arrangements for the UWI Games, most so those at the Mona Academy of Sport, where the games were hosted. Their involvement at all levels of organization was invaluable to the Deputy Principal in executing the games.

The following were achievements of the UWI or Academy teams across the Region:

### **CRICKET**

- Combined Campuses and Colleges Cricket Team – Regional 50 Over Champions
- Cave Hill Blackbirds were champions of the Barbados Elite 3 day and 50 over competitions
- Mona were champions of the Jamaica Cricket Association Junior Cup

**Football**

- Mona were Inter-collegiate champions in Jamaica

**Volleyball**

- Mona were Inter-collegiate champions in both Men and Women competitions

**Hockey**

- Mona were Inter-collegiate champions in both Men's and Women's competitions

**Basketball**

- Mona were Inter-collegiate finalists in the Women's competitions

**OUTREACH**

The Community Inclusion Project, aided by a grant from the CDB allowed engagement of youth from the Cane Farm community of Trinidad and August Town community of Jamaica. This pilot project exposed youngster from 9 to 16 years to the values and ethics of sports. It counselled them to vocational opportunities in and around sport, as well as giving an opportunity to mingle and compete with some of the top Sportsmen and Sportswomen in the region.

Another portion of the CDB grant was used to commence the Regional Emerging Athlete Development programme. National Sporting Organizations around the region nominated an athlete from which three were selected for the programme. The athletes accompanied by their coaches had extensive baseline medical and sports science testing done in Barbados, following which individualized programmes were forwarded to their coaches. The athletes will be retested in the next academic year to monitor their progress.

The Faculty also launched the Pace Like Fire programme scouting Fastbowlers. Testing was conducted in multiple sites in Trinidad and Tobago, Guyana, St. Lucia, Barbados and Jamaica in which any Fastbowler was invited to bowl balls which were measured using a radar gun. The top twenty were then assessed by an expert panel of elite coaches, and were taken into a camp at Cave Hill for intensive baseline testing and programmes to enhance their bowling technique. The entire process was filmed by Flow Sports working in conjunction with UWI TV, and was aired as a multi-episode series on Flow Sports.

## Sports Medicine

The Sports Medicine Section at Mona continued to deliver specialized care through the UWI Sports Medicine Clinic to National and Regional Athletes. Additionally, many seminars were conducted to coaches, trainers and athletes on varied topics. These were well attended and well received. It also provided a steady revenue stream for the Section.

## Teaching, Learning and Student Development

With no new Full time lecturers in the Cave Hill Academy, the programmes continued to be taught by part time lecturers, except for those courses taught by Dr. Rudolph Alleyne, who is also the Academic Coordinator. He remains seconded from the Faculty of Social Sciences. At Mona the two temporary lecturers are assisted by part time tutors as well. With more programmes being produced to respond to the demand from students, it is becoming difficult to progress without more full time lecturers appointed to all Academies. This is more so with MPhil and PhD students who require supervision.

Students receive practical exposure in the labs and alongside coaches at the various campuses. Internships with the Caribbean Premier League and similar regional sporting events allow exposure to large scale events with international coaches and players, which has benefitted our students.

## Research and Innovation

The following peer reviewed articles were published by members of the Faculty:

- **Roopchand-Martin, S., Rajkumar F., Creary-Yann S.** (2019). Quality of life of cancer patients living in Trinidad and Tobago. *Quality of Life Research*, 28: 1863. <https://doi.org/10.1007/s11136-019-02151-7>
- **Roopchand-Martin, S., Gayle, B., Evelyn, D., Creary-Yann S.,** (2019). The effects of aquatic plyometric training on lower limb power and agility of university Rugby and Soccer athletes. *West Indian Medical Journal*. E-Published: 08 March 2019. DOI: 10.7727/wimj.2018.093
- **Roopchand-Martin, S., Gayle, C., Graham, S., Creary-Yan, S., Harris-Henry, S.** (2018). Physical Activity Levels, Perceived Barriers to Exercise and Development of Secondary Conditions in Community-Dwelling Persons with Spinal Cord Injury. *West Indian Medical Journal*. 67(5): DOI: 10.7727/wimj.2018.178.
- **Bullock R, Shah S, Dundas T, Mansingh A, Frankson M, Soares D.** Accuracy Of Magnetic Resonance Arthrography In Detecting Rotator Cuff Tears. *West Indian Medical Journal*. 2018 67 (2): 143

- Turfus S, Smith J, **Mansingh A**, Alexander-Lindo R, **Roopchand-Martin S**. Supplemental Practices, Perceptions and Knowledge about Anti-doping among Jamaican High School Students. *Performance Enhancement & Health* 2019 *doi.org/10.1016/j.peh.2019.07.001*.

## **AGILITY**

Courses addressing needs in Sport were delivered throughout the year. Apart from those in Sports Medicine mentioned previously, Basic Groundsmanship was delivered at St. Augustine, Fitness programmes for staff and students were held at St. Augustine and Mona. The catered to all age groups. Summer camps for children were also held at these two Academies.

The Open Campus and St. Augustine Academies of Sport held workshops on Sport Policy and Business Development in Trinidad.

The St. Augustine Academy was involved in a Lopinot project which should yield some income for the Faculty.

Jamaica Hockey Federation as we provided medical coverage for the ISSA U14, U16 and U19 Schools Field Hockey Tournament. The Mona Academy has become an official partner in the National Youth development programme for Field Hockey which began in March 2019.

The Mona Academy continued to maintain a partnership with Olympic swimmer Alia Atkinson, facilitating another swim camp at our facilities this year.

The Faculty completed an agreement with Cricket West Indies which will see the Faculty delivering the Coaching Level Courses in Cricket. This will yield revenue for the Faculty.

## **Appointments with Sporting Bodies**

Members of the Faculty were appointed to Regional or National Sporting Bodies as follows:

- The Head Coach at Cave Hill, Mr Floyd Reifer was appointed Head Coach of the West Indies Men's Team
- Ms. Olivia Rose Esperance was appointed Sports Psychologist to the WI Womens team and the Senior Jamaica Netball Team
- Dr. Akshai Mansingh was appointed a non-member (independent) Director of Cricket West Indies.
- Mrs. Amanda Reifer was appointed a member of the Cricket Committee of CWI

- Dr. Ruchelle Brown-Calvert was Jamaica's Track and Field Team Doctor to the Carifta games.

## **FINANCIAL**

There were some grants secured in the academic year:

- Sagicor Ltd gave US\$200,000 per annum for 3 years for support of the High Performance Cricket Centre at Cave Hill. This is in addition to their grant to the Usain Bolt Sports Complex there as well
- A grant of US\$210,000 from the Caribbean Development Bank was received and disbursed this year. This is to do a needs assessment of all Academies of Sport, as well as for two projects. These are the Community Inclusion Project to expose youths to Sport (participation as well as values promoted by sport) and the Regional Emerging Athlete Development programme. Most programmes started in this academic year and the project will end in June 2020.
- The Cave Hill Academy of Sport generated US\$75,000 of income whereas the Mona Academy of Sport generated US\$65,000. This was an increase over the last year.



# MONA ACADEMY OF SPORT

**Dr. Sharmella Roopchand-Martin** (DPT, MSc. Rehabilitation Sci. MSc. Biomedical Ethics)  
– Head Mona Academy of Sport



## WORK OF THE DEPARTMENT

The Mona Academy of Sport, despite the numerous challenges encountered in its second year of operation had a relatively successful year. Three new staff members joined the Academy during this academic year: Dr. Aldeam Facey, Dr. Ruchelle Brown-Calvert and Janine Rose. Two new administrative assistants also joined the academy: Michelle Smith and Sharnice Small.

Our two BSc programmes (Sport Coaching and Sport Kinetics), which were launched in August 2017 had an intake of 22 students and ran with no major problems. Support programmes were put in place to aid our students who were on Sports Scholarships. This included two seminars: Time management and study skills and the establishment of mandatory study Hall sessions where tutorial support was provided as needed.

The UWI/FIFA/CIES Sport Management Diploma, which was approved for offering at the Mona Campus for the 2018–2019 academic year, had an intake of two students. We were grateful to the St. Augustine Campus for accommodating these students in their classes thus allowing this programme to get off the ground with the small number.

The MSc. Sports Medicine had an intake of five new students and the MSc. Sports and Exercise Medicine had six. The students came from five different Caribbean countries and Botswana. The university's Virtual Learning Platform was used to facilitate a more interactive delivery of both distance-based programmes and this ran quite smoothly. These students maintained an excellent level of progress with minimal problems. Interviews with the students indicated a high level of satisfaction with the revised curriculum and feedback for improvement will be integrated into/with planning for 2019–2020.

Two new master's programmes were developed and approved for delivery during the 2019–2020 academic year: The MSc Sport with specializations in Coaching, Kinetics, Strength and Conditioning and Biomechanics and the MSc. Interdisciplinary Sport

Pain Management. Both programmes offer the option of completing either a Post-graduate certificate or diploma to those who do not wish to pursue a full master's degree. These options increase access to students. The Academy also developed a Ph.D. Sport programme which opened for applications in January 2019.

Throughout the 2018–2019 year, we continued to build on our partnership with the Jamaica Hockey Federation as we provided medical coverage for the ISSA U14, U16 and U19 Schools Field Hockey Tournament and aided the Federation with their World Olympic Day Celebrations. The Academy has become an official partner in the National Youth development programme for Field Hockey which began in March 2019. The Academy continued to maintain a partnership with Olympic swimmer Alia Atkinson, facilitating another swim camp at our facilities this year. We also hosted a Community Inclusion Project which was funded through a Caribbean Development Bank grant to the Faculty of Sport.

Despite continued challenges, our Athletic Development and Training Section continued to ensure excellence from our athletes. Highlighted achievements for the 2018–2019 academic year include:

#### **FOOTBALL**

Male: Intercol League 2018/2019 – 1st place

Greg Garrell – 1st place

UWI Games 2019 football – 1st place

Female: UWI Games 2019 – 2nd place

#### **CRICKET**

Junior Cup 2018/2019 – 1st place

JCA T20 2018/2019 – 3rd place

UWI Games 2019 cricket – 2nd place

Akim Fraser – Selected for West Indies A-Team

Selected for Jamaica's National team

#### **BASKETBALL**

Male: UWI Games 2019 male basketball – 1st place

Female: Finals of Intercol competition – 2nd place

UWI Games 2019 female basketball – 1st place

## **NETBALL**

UWI Games netball – 1st place

Shamera Sterling – Nominated as the RJR Sports Woman of the Year 2018.

- Ranked top 5 as the best defender overall in the world.

## **TRACK & FIELD**

UWI Games 2019 track & field – 1st place

Intercol track & field championships male and female – 3rd place

Fedrick Dacres – the current world leader

Diamond League leader and threw over 70m (2018)

## **VOLLEYBALL**

Female: Intercol volleyball competition – 1st place

UWI Games 2019 volleyball – 1st place

Male: Intercol volleyball competition – 1st place

UWI Games 2019 volleyball – 2nd place

## **SWIMMING**

UWI Games 2019 swimming – 2nd place

## **TABLE & LAWN TENNIS**

UWI Games 2019 – 2nd place

## **RUGBY**

Semi-finals Intercol Rugby League

Rugby Nines – 2nd place

## **HOCKEY**

Male: Intercol hockey male – 1st place

UWI Games hockey – 3rd

Female: Intercol hockey female – 1st place

UWI Games hockey – 2nd place

## CONFERENCE PAPERS PRESENTED

### Dr. Sharmella Roopchand-Martin

- September 2018 – Presenter at KPH/VJH Conference Health is Wealth a Holistic Approach to Workers Well Being. *Topic – Benefits of Ergonomic programmes in the workplace.*
- October 26, 2018 – Presenter at the Caribbean Association of Clinical Microbiologists 14th Annual Symposium The FoE Within. *Topic – Ethical Issues in Infectious Disease Outbreaks.*
- June 19, 2019. – Presenter at the JOHSPA annual conference. *Topic – Work-Related Musculoskeletal Disorders*

## PUBLICATIONS

- **Roopchand-Martin, S., Rajkumar F., Creary-Yann S.** (2019). Quality of life of cancer patients living in Trinidad and Tobago. *Quality of Life Research*, 28: 1863. <https://doi.org/10.1007/s11136-019-02151-7>.
- **Roopchand-Martin, S., Gayle, B., Evelyn, D., Creary-Yann S.,** (2019). The effects of aquatic plyometric training on lower limb power and agility of university Rugby and Soccer athletes. *West Indian Medical Journal*. E-Published: 08 March 2019. DOI: 10.7727/wimj.2018.093.
- **Roopchand-Martin, S., Gayle, C., Graham, S., Creary-Yan, S., Harris-Henry, S.** (2018). Physical Activity Levels, Perceived Barriers to Exercise and Development of Secondary Conditions in Community-Dwelling Persons with Spinal Cord Injury. *West Indian Medical Journal*. 67(5): DOI: 10.7727/wimj.2018.178.

## SPECIAL PRESENTATIONS AND INVITED LECTURES

### Dr. Sharmella Roopchand-Martin

- August 2018 – Presenter at the workshop titled Focus on Pain in Athletes held by the Mona Academy of Sport. *Topic – Ethical Decision Making in Sports Medicine.*
- September 2018 – Presenter at KPH/VJH Conference Health is Wealth a Holistic Approach to Workers Well Being. *Topic – Benefits of Ergonomic programmes in the workplace.*
- October 26, 2018 – Presenter at the Caribbean Association of Clinical Microbiologists 14th Annual Symposium The FoE Within. *Topic – Ethical Issues in Infectious Disease Outbreaks.*
- November 6th 2018 – Guest presenter for Faculty of Law. *Topic – Ethical Issues and Research in Social Sciences, Law and Humanities.*

- November 17th, 2018 – Invited speaker for the annual general meeting of the Jamaica Sports Medicine Association.

*Topic – Ethical decision making in sports medicine.*

- October 2018 and December 2018 – Guest presenter in the workshop titled, Fitness Testing and Benchmarking for Athletes. Hosted by the Mona Academy of Sport.

*Topic 1: Agility testing and training,*

*Topic 2: Comparison of Land and Aquatic Power Training in Athletes.*

- February 19, 2019 – Guest Speaker at the opening ceremony of the 2019 ISSA/JHF High School Field Hockey Tournament.
- March 2019 and June 2019 – Guest presenter in the Sport Injury Management workshop. Hosted by the Mona Academy of Sport

*Topic 1 – Warm-ups and cool-downs: Pearls and Pitfalls*

*Topic 2 – Sleep and Training, Performance and Recovery*

- June 19, 2019. Invited presenter at the JOHSPA annual conference.

*Topic – Work-Related Musculoskeletal Disorders*

Mrs. Olivia Rose Esperance

- March 2019 and June 2019 – Guest presenter in the Sport Injury Management workshop hosted by the Mona Academy of Sport.

*Topic – The Psychology of Pain and Injury Recovery: The role of the sports psychologist in helping to keep athletes healthy.*

Miss Janine Rose

- October 2018 and December 2018 – Guest presenter in the workshop titled, Fitness Testing and Benchmarking for Athletes. Hosted by the Mona Academy of Sport.

*Topic 1: Core strength and stability*

*Topic 2: Importance of cardiovascular performance and important parameters to evaluate. Programme planning.*

- March 2019 - Guest presenter in Sport Injury Management workshop hosted by the Mona Academy of Sport.

*Topic 1 – Recovery, Repair, and Return to play: Principals of Rehabilitation.*

*Topic 2 – Nutrition before, during and after competition season. Planning a proper nutritional programme and identifying athletes with nutritional disorders.*

**Dr. Ramon Hunter**

- October 2018 and December 2018 – Guest presenter in the workshop titled, Fitness Testing and Benchmarking for Athletes. Hosted by the Mona Academy of Sport.

*Topic 1: Flexibility and injury prevention. When should athletes stretch, what types of stretching should be used for different sports?*

*Topic 2: Training for strength and training for power. What's different? And the importance of each.*

- March 2019 – Guest presenter in the Sport Injury Management workshop hosted by the Mona Academy of Sport.

*Topic 1 – The Musculoskeletal Evaluation*

- June 2019- Guest presenter in the Sport Injury Management workshop hosted by the Mona Academy of Sport.

*Topic 1 – Recovery, Repair, and Return to play: Principals of Rehabilitation.*

*Topic 2 – The Musculoskeletal Evaluation*

*Topic 3 – Stretching and Strengthening in Adolescent and Adult Athletes.*

**Dr. Ruchelle Brown Calvert**

- March 2019 – Guest presenter in the Sport Injury Management workshop hosted by the Mona Academy of Sport.

*Topic 1 – Dehydration in athletes – signs, symptoms, prevention.*

- June 2019- Guest presenter in the Sport Injury Management workshop hosted by the Mona Academy of Sport.

*Topic 1 – Dehydration in athletes – signs, symptoms, prevention.*

*Topic 2 – Nutrition Before, during and after competition season. Planning a proper nutritional programme and identifying athletes with nutritional disorders.*

- Invited by the One Body One God Dance Group to present to its members –

*Topic – Exercise, is it really that important.*

- Guest presenter for New Broughton United Church

*Topic – Let's Start a New Conversation about our Health.*

**Dr. Aldeam Facey**

- March 2019 – guest speaker at Western Jamaica Campus Hall dinner. Theme: A Nautical Caribbean Night.

- May 2019 – panellist at the Faculty of Sport/Institute of Gender and Development Studies forum on Gender Diversity in Sports. Topic – the role of testosterone in present issues related to gender diversity in athletes.

### **INCOME GENERATION**

Rental of UWI Mona Bowl facilities	JA \$1,464,600.00
UWI Sports Medicine Clinic	JA\$ 4,529,001.00

### **PUBLIC SERVICE**

#### **Dr. Sharmella Roopchand-Martin**

- Executive member of the Caribbean Network of Research Ethics Committees
- Member of the Jamaica Hockey Federation's Youth Development Committee
- Aided with medical coverage for the ISSA School's Field Hockey Tournament U14, U16, and U19
- Aided with medical coverage for Wolmer's Boys School Inaugural "Copa Del Chabo" Field Hockey Tournament
- Aided with JHF World Olympic Day Celebrations 2019.

#### **Dr. Aldeam Facey**

- Educational outreach presentation on doping in sport to schools in Central and Western Jamaica. Sessions hosted at Edwin Allen High School and St. Elizabeth Technical High School
- Volunteered as a doping control officer for the Jamaica Anti-Doping Commission. August 2018, Dr. Facey has processed approximately 50 athlete biological samples
- 'Mona Badminton Club' Coordinator – coordinated badminton for recreation and exercise sessions which were open to the public
- Resident Advisor (August 2018 and May 2019) the Leslie Robinson Hall.

#### **Dr. Ramon Hunter**

- Aided with medical coverage for the ISSA School's Field Hockey Tournament U14, U16, and U19
- Aided with medical coverage for Wolmer's Boys School Inaugural "Copa Del Chabo" Field Hockey Tournament
- Aided with medical coverage for UWI games.

**Mr. Barrington Gayle**

- Aided with medical coverage for the ISSA School's Field Hockey Tournament U14, U16, and U19
- Aided with medical coverage for Wolmer's Boys School Inaugural "Copa Del Chabo" Field Hockey Tournament.
- Aided with medical coverage for UWI Games

**Dr. Ruchelle Brown Calvert**

- Provided medical coverage for the following events:
  - Gibson McCook Relays
  - UWI Sports Day
  - ISSA Grace Kennedy Boys and Girl Champs
  - ISSA High Schools U19, U16 and U14 Field Hockey Tournaments
  - CONCACAF Gold Cup
  - Racers Grand Prix
  - Team doctor for the Jamaican team to CARIFTA games
- Educational outreach presentation on Supplement Use in Athletes at Edwin Allen High School and St. Elizabeth Technical High School.
- Medical Consultation at Camperdown High School Annual Health Fair.





# INSTITUTES AND RESEARCH CENTRES

Mona

Year ending July 31, 2019

# CARIBBEAN INSTITUTE OF MENTAL HEALTH & SUBSTANCE ABUSE (CARIMENSA)

Professor Emeritus Frederick W. Hickling – Executive Director



## MISSION STATEMENT

*The Caribbean Institute for Mental Health & Substance Abuse (CARIMENSA), a Centre in the Faculty of Medical Sciences at the University of the West Indies, (UWI) is the country's only public health mental health facility and is responsible for implementing projects for research, therapeutics and social development.*

## INTRODUCTION

CARIMENSA was established as a Centre within the Faculty of Medical Sciences in February 2008 with supportive relationships to the Section of Psychiatry in the Department of Community Health and Psychiatry. The Executive Director of CARIMENSA is Professor Emeritus Frederick W. Hickling of the Department of Community Health and Psychiatry.

The proposal to develop the Caribbean Institute of Mental Health and Substance Abuse (CARIMENSA) was developed in the Section of Psychiatry in 2003 and approved by the Faculty of Medical Sciences in 2004 as the vehicle for the development of Cultural Therapy at the UWI and the training of postgraduate students in this novel mental health therapeutic instrument pioneered in Jamaica. In 2005 this proposal was presented to UWI Mona F&GPC as a part of the Strategic Transformation Team's New Initiative Budget. The Mona F&GPC approved a budget of J\$5.2M as an establishment grant for this Institute for the Academic Year 2005–2006., and on May 30, 2006 established that CARIMENSA would be located in the FMS, with budgetary control by the Bursar UWI Mona.

The CARIMENSA Press was established in 2007 as a publication organ of CARIMENSA to serve the publication of books and journals on mental health in the Caribbean, an area that is underserved in the region. Since its inception, CARIMENSA Press has published seven books on mental health issues in the Caribbean

## PRIVATE/PUBLIC PARTNERSHIP

CARIMENSA has engaged in a private/public partnership with Psychotherapy Associates Ltd, one of the leading private medical research organizations in Jamaica (Figueroa & Henry Lee 1998). Psychotherapy Associates Ltd is managed by Collective productions Ltd and is located at Connolley House, the home of the Non-Governmental Organization Bond-Hickling Cultural Institute. This collaboration has facilitated the development of CARIMENSA as a self-sustaining organization within the UWI, in keeping with its remit from the F&GPC UWI. Connolley House has provided office and classroom facilities, administrative and utility support for this fledgling UWI Institute.

## ORGANIZATION

On August 23, 2017, at a meeting with the new Dean of the FMS, Dr Tomlin Paul, Professor Hickling, Dr. Geoffrey Walcott, and Dr. Christopher Charles, the legal origin and organizational structure of CARIMENSA were reviewed. It was agreed that the Dean's Office would pursue the legal incorporation of CARIMENSA as a legally constituted non-profit company limited by guarantor in the FMS as stipulated by the F&GPC in 2006. The Executive Director and the CARIMENSA team would update the CARIMENSA terms of reference of the operations and functions of the organization.

## MEMBERSHIP OF CARIMENSA

In keeping with its mission, cross-faculty membership of CARIMENSA is voluntary from any member of staff or student from any Department of any Faculty of the UWI; in addition it is community orientated with membership from all segments of the public. The requirements for membership are:

1. Active involvement in any research or other CARIMENSA activity
2. Attendance at the weekly CARIMENSA Research Meeting weekly (60% attendance per annum)

The following persons have fulfilled these criteria for academic year 2018–19:

- Professor Emeritus Frederick Hickling, Executive Director CARIMENSA
- Professor Jaswant Guzder, Professor of Child Psychiatry McGill University Canada
- Dr. Geoffrey Walcott, Clinical Director, Psychotherapy Associates Ltd
- Dr. Christopher Charles, Senior Lecturer, Faculty of Social Sciences UWI
- Dr Hilary Robertson-Hickling, Senior Lecturer, MSB, Faculty of Social Sciences UWI

- Dr. Debbie-Ann Chambers, Counselling Psychologist, University Health Service UWI
- Dr. Deborah Hickling-Gordon, Lecturer Faculty of Humanities and Education UWI
- Dr. Brian Kazaar, Senior House Officer, Faculty of Medical Science UWI
- Dr. Jordan Eaton, Senior House Officer, Kingston Public Hospital
- Dr. Nicole D'Souza, Postgraduate Fellow Transcultural Psychiatry McGill University
- Mr. Paul Wilson, Teacher, Cultural Therapist
- Ms. Carmen, Clarke, Public Relations Specialist
- Ms. Raquel Jennings, Research Associate, Psychotherapy Associates Ltd
- Ms. Renae Raymond, Research Associate, Psychotherapy Associates Ltd.
- Ms. Judine Bailey, Research Associate, Psychotherapy Associates Ltd
- Ms. Jackie Thompson, Administrator Connolley House, Collective Productions Ltd.
- Ms Andrea Hu Sam, MSc psychology student Faculty of Social Sciences UWI
- Ms Deidre Chang, MSc psychology student Faculty of Social Sciences UWI
- All staff members employed to CARIMENSA projects.

## **WORK OF THE DEPARTMENT**

### **Funded Service/Research**

1. Global Mental Health Conference – April 6, 2019

### **Reports**

#### ***Professor Frederick Hickling***

- Supervisor, PhD Student, Nicole D'Souza, McGill University Canada . *Co-constructing knowledge with children in implementation research: relationality, ethics and embodied affect in a multimodal intervention in Jamaica*. A thesis submitted to McGill University in partial fulfillment of the requirements for the degree of Doctor of Philosophy April 2019. Dissertation Meeting June 25, 2019.

### **Presentations Made At Meetings**

#### ***Professor Frederick W Hickling***

- **Countering the Effects of Adverse Childhood Experiences: From therapeutics to public policy.** Global Mental Health Conference. April 6, 2019; FMS UWI.



*“Personality Disorder, Psychosis and Major Depression: The Sequelae of Adverse Childhood Experiences in a Post-Colonial Society”*

- African Mental Health Research Institute (AMARI) third Annual Scientific Meeting (ASM) Addis Ababa, Ethiopia, 20–22 March 2019. *A psychological decolonization antidote.*
- American Psychiatric Association Annual Meeting May 18–22, 2019 San Francisco: International lecture on Children’s Mental Health Prevention Program. *Dream-A-World Cultural Therapy and Cultural Resiliency: Multimodal Primary Prevention, Mental Health Interventions in High-Risk Primary School Children.*

**Dr. Geoffrey Walcott**

- **Countering the Effects of Adverse Childhood Experiences: From therapeutics to public policy.** Global Mental Health Conference. April 6, 2019; FMS UWI. *“Development and Nationalization of an Indigenous Cultural Resilience programme for children”*
- **Deans of Discipline Annual Retreat, Jewel Runaway Bay** July 11, 2019. *Cultural Therapy: Enhancing Productivity and wellbeing*
- **Nurse Practitioner Annual Conference Royalton White Sands Trelawny** July 11 2019. *“Inside the Suicidal Mind: Helping Others Battle Their Demons”*
- **Cultural Poetics of Illness and Healing Embodiment, Enactment and the poetics of Experience** Advanced Scientific Institute 25th Annual Conference McGill University June 28th 2019 *“To Di World: Jamaican soccer, Poiesis, and post-colonial transformation”*
- **Art and Healing course** Social and Transcultural Psychiatry Summer School McGill University June 17th to June 22nd 2019. *“Psychohistoriographic Cultural Therapy”*

**Professor Jaswant Guzder**

- **5th World Congress of Cultural Psychiatry Association (WACP)** October 10–13 2018. Columbia University,
- Paper: 1. *Reflections on the Integration of Art and Psychiatry: A Personal Journey*; 2. Symposium: *Culture, Systems, and Relationships: Theoretical and Clinical Approaches. Paper: Systemic approaches on a Cultural Consultation Service: cultural safety, cultural camouflage and family systems approaches*. Co-presenters: Dr Ellen Berman (symposium leader), Dr Sharon Bond, Dr Jaswant Guzder New York, US
- **SHERPA Workshop October 17, 2018: Parcours de resilience: accompagner les réfugiés suite aux traumatismes.** Workshop : *Cultural Safety, Cultural Camouflage and Cultural Formulation : working with complex trauma in refugee populations in Cultural Consultation Service.* Montreal, QC

- Paper: Spirituality and Childhood: implications for clinicians at “Culture, Spirituality and Mental Health International Conference” October 29, 2018 McGill University (Canada), University of Norway and Tribhuvan University Institute of Medicine (Nepal). Katmandu, Nepal
- **Countering the Effects of Adverse Childhood Experiences: From therapeutics to public policy.** Global Mental Health Conference. April 6, 2019; FMS UWI. *“Clinical work with Caribbean children: unpacking past migratory impact of complex trauma, attachment disorder and post slavery trauma”*
- **June 13, 2019 : McGill Summer School in Transcultural Psychiatry : lecturer in Global Mental Health Methods Course. Topic: Community engagement and research : Dream a World Cultural Therapy Resilience Promotion studies, Montreal**
- *June 18–21, 2019: McGill Summer School in Transcultural Psychiatry: Course coordinator and lecture: topics on ARTS AND HEALING , Montreal.*

**Dr. Hilary Robertson-Hickling**

- **Countering the Effects of Adverse Childhood Experiences: From therapeutics to public policy.** Global Mental Health Conference. April 6, 2019; FMS UWI. *“Cultural Therapy, adverse childhood experiences and resilience development in Jamaica”*
- **African Mental Health Research Institute (AMARI) third Annual Scientific Meeting (ASM) Addis Ababa, Ethiopia, 20–22 March 2019. “Preparing to Lead”**

**Dr. Christopher Charles**

- **Countering the Effects of Adverse Childhood Experiences: From therapeutics to public policy.** Global Mental Health Conference. April 6, 2019; FMS UWI. *“Skin Bleaching and the Decolonization of the Self: Challenging Intergenerational Discrimination”.*

**Dr. Debbie Ann Chambers**

- **Countering the Effects of Adverse Childhood Experiences: From therapeutics to public policy.** Global Mental Health Conference. April 6, 2019; FMS UWI. *“Creating a Safe Space for Emancipation: The Value of the Poetic in Countering Adverse Childhood Experiences”*
- **Cultural Poetics of Illness and Healing Embodiment, Enactment and the poetics of Experience** Advanced Scientific Institute 25th Annual Conference McGill University June 28th 2019 *“We thought they were bobble heads: How engaging inner-city youth in the creation of poetry and song challenges the prevailing narrative”*

**Art and Healing course** Social and Transcultural Psychiatry Summer School McGill University June 17th to June 22nd 2019. *“Psychohistoriographic Cultural Therapy”*

## PUBLICATIONS

### *Professor Frederick W Hickling*

- Nicole A. D'souza, Jaswant Guzder, Frederick Hickling, Danielle Groleau: The ethics of relationality in implementation and evaluation research in global health: reflections from the Dream-A-World program in Kingston, Jamaica. *BMC Medical Ethics* 2018 19(1) :50

### *Dr. Christopher Charles W Hickling*

- Charles, C.A.D. & McLean, S-K. (2019). Cases of murder-suicide among Jamaican immigrants in the United States. In *Crime and violence in the Caribbean: Lessons from Jamaica*. Sherill V. Morris-Francis, Camille A. Gibson & Lorna E. Grant (eds.) pp. 113–132. London, UK: Rowman & Littlefield
- Charles, C.A.D., Reid, G.S. O. & Albarus, N. (2019). A method for election forecasting. Sage Research Method Cases, part 2. DOI: <https://dx.doi.org/10.4135/9781526490803>

### *Professor Jaswant Guzder*

- Nicole A. D'souza, J. Guzder, F. Hickling, D. Groleau. The ethics of Rationality in Implementation and Evaluation Research in Global Health: Reflections form the Dream A World Program in Kingston, Jamaica. *BMC Medical Ethics*. <https://doi.org/10.1186/s12910-018-0282-5>.

## Book Chapters

### *Professor Frederick W Hickling*

- Hickling F.W., Walcott G.O. (2019) *The Jamaican LMIC Challenge to the Biopsychosocial Global Mental Health Model of Western Psychiatry*. In: Okpaku S. (eds) *Innovations in Global Mental Health*. Springer, Cham.

## Media Appearances

### *Professor Frederick W Hickling*

- Frederick W. Hickling – RJR News Interview “*Gov’t must provide support for families of discharged Bellevue patients, says professor*” – October 11, 2018.
- Frederick W. Hickling – Power 106: Power Talk Interview – “*Global Mental Health Conference*” – April 3, 2019
- Frederick W. Hickling and Andrea Hughsam – Power 106: Power Talk Interview “*Is there a Mental Health Issue at Stake?*” – April 9, 2019.
- Frederick W. Hickling – CVM LIVE – Panel Discussion “*Tangible Outcomes from Diaspora Conference*” – June 19, 2019.



*Dr. Geoffrey Walcott*

- Debbie-Ann Chambers and Geoffrey Walcott – “*Global Mental Health Conference*” TVJ Smile – March 26, 2019
- Geoffrey O. Walcott – CVM At Sunrise – “*Global Mental Health Conference*” April 1, 2019
- Christopher Charles and Geoffrey O. Walcott – Gleaner Article – “*A public health understanding and response to domestic violence*” – April 21, 2019.
- Geoffrey O. Walcott – CVM At Sunrise – Hot Topic - “*Murder- Suicide Wave*” - April 26, 2019
- Christopher Charles and Geoffrey O. Walcott – “*Dealing with vigilante mob violence in Jamaica*” –Gleaner article – April 28, 2019
- Geoffrey O. Walcott – Beyond the Headlines – “*Hospitalization of mentally ill people who commit crimes*” – June 3, 2019.

*Dr. Christopher Charles*

- Christopher Charles and Andrea Hughsam – Morning Agenda Power 106 FM “*Global Mental Health Conference*” April 1, 2019
- Christopher Charles and Geoffrey O. Walcott – Gleaner Article – “*A public health understanding and response to domestic violence*” – April 21, 2019
- Christopher Charles and Geoffrey O. Walcott – “*Dealing with vigilante mob violence in Jamaica*” – Gleaner article– April 28, 2019.

*Dr. Debbie-Ann Chambers*

- Debbie-Ann Chambers and Geoffrey Walcott – “*Global Mental Health Conference*” TVJ Smile – March 26, 2019.

**INCOME GENERATION****Income from Projects**

Project Title	Period	Income
Global Mental Health Conference	April 2019	JMD \$ 400,000

**PUBLIC SERVICE****Professor Frederick W Hickling**

- **Caribbean Representative: World Psychiatric Association.** Section on Conflict Management and Resolution. 2003–present
- **AMARI (AFRICAN MENTAL HEALTH RESEARCH INITIATIVE)** *Member Independent Scientific Advisory Committee; August 2016 to present*
- **Ministry of Education** Behavioural Modification Committee 2019

# THE CARRIBBEAN INSTITUTE FOR HEALTH RESEARCH (CAIHR)

Professor Susan Walker, BSc Bristol, MSc, PhD Lond – Director



CAIHR held our Annual Scientific Review November 27–28, 2018. The external Review Team comprised Professor Emeritus Alan Jackson, Chair, Emeritus Professor of Human Nutrition University of Southampton; Professor Nick Wareham, Director of the MRC Epidemiology Unit and Director of the Centre for Diet and Activity Research (CEDAR) and co-Director of the Institute of Metabolic Science, Cambridge University; Dr Tiffany Gary-Webb, Departments of Behavioral and Community Health Sciences and Epidemiology, University of Pittsburgh. We held a public forum on November 28, 2018 with presentations by Professors Jackson and Wareham.

Following the review we have undertaken a synthesis of our current research according to our strategic themes and programmes, to identify areas for focus and cross-institute collaboration. With input from Dr Gary-Webb we have begun a mentorship programme for junior academic staff.

A quality assurance review of the Institute was conducted in February, the review team comprised Professor K.M. Venkat Narayan Interim Associate Dean of Research, Rollins School of Public Health, Emory University; Professor Terence Seemungal University & Campus Dean, Faculty of Medical Sciences, The University of the West Indies St Augustine; Dr Lynda Williams St Michaels, Barbados; Dr Heather Reid-Jones Senior Medical Officer, Kingston and St Andrew Health Department. The review team recognised the achievements of CAIHR “It is the evidence-based view of the Quality Assurance Review Team that CAIHR is an “oasis of high-quality research” at The University of West Indies (UWI)” and also provided several recommendations both for action by UWI and by CAIHR.

## EPIDEMIOLOGY RESEARCH UNIT

2018/19 academic year was a busy one for the ERU with the funding of several grants and significant progress towards the launch of the new postgraduate diploma in health research and epidemiology in conjunction with the UWI Open Campus now set to enrol the first students in January 2020.

We were successful in obtaining a RO-1 grant from the National Institutes of Health (NIH) in collaboration with the Fox Chase Cancer Centre in Philadelphia. This will be used to plan an 8,000 person cohort to investigate genetic and environmental causes of diabetes, cardiovascular disease and cancer and will be the largest to date carried out in Jamaica.

We have also completed an application with the Department of Community Health and Psychiatry, Tulane University and Columbia for implementation of a team based care for hypertension.

We are part of the Evidence for Better Lives consortium a multi-country collaboration which will investigate determinants of violence starting in the pregnancy period. The foundational study to inform the main cohort study was conducted in 2019.

In collaboration with the Africa Early Childhood Network we conducted a regional senior level workshop in Nairobi, Kenya for our Reach Up: early childhood parenting programme. We are collaborating with the Family Health Unit of the Jamaica Ministry of Health and Wellness to integrate and scale Reach Up through Primary Care Health Centres. Funding was obtained for baseline evaluations. Scaling of the Irie Classroom Toolbox for preschool teachers is being done in collaboration with the Early Childhood Commission.

CAIHR was approved as one of the sites for the Global Health Equity Scholars (GHES) Fellowship. GHES is a **research training program** for post-doctoral fellows, upper-level PhD students, professional school students (MD, DVM, DrPH, DDS, PharmD, Nursing). It is part of the Global Health Program for Fellows and Scholars sponsored by the **Fogarty International Center (FIC)** and several collaborating institutes and centers at the **National Institutes of Health (NIH)**. The GHES program brings together a consortium that includes **the University of California, Berkeley, The University of Arizona, Stanford University, and Yale University**, with affiliated international sites across 24 countries. The purpose of the program is to support a **12-month mentored research fellowship for investigators who are interested in studying diseases and conditions in developing countries**. Trainees are matched with top-tier global health research faculty from one of the four participating U.S. institutions and an international site, thus enabling them engage in rich and enduring, mentored research experiences that will foster scientific and career development in global health research.

The upcoming academic year will see a continuation of our current activities, the execution of newly funded projects that will be coming on stream, submission of grant applications to support planned research activities and forging new partnerships to complement the skills and resources within the Unit and increase the visibility of the Institute and its research work. Identification and mentoring of the next generation of bright academic staff with specific capacity building activities (mentorship

programme, developmental grant awards and writing workshops) will also be another area of focus.

Again the critical need to expand the current physical plant to accommodate new staff and project activities (we are currently unable to store the biospecimens to be collected from the R0-1 cohort study using the existing laboratory storage facilities) once again highlight the need for short and long term solutions to space issues.

### TROPICAL METABOLISM RESEARCH UNIT

The Tropical Metabolism Research Unit during the year continued to implement activities under its strategic plan to become the premier translational resource for the Institute and the Faculty. Within that context, the Institute upgraded its laboratory by the acquisition through grant funding of a Peapod to measure body composition in children weighing between 1 and 8 kg using air displacement plethysmography technology. With this addition, the TMRU is now able to measure body composition through the life course. Further in keeping with The UWI's triple A strategy the TMRU has been engaged in greater public advocacy especially as it relates to the dietary risk factors for non-communicable disease and greater academic/industry research partnerships through clinical trials.

The TMRU participated in human resource development by having several faculty and students being awarded training fellowships during the period. The beneficiaries included: Dr. Debbie Thompson – University of Toronto; Ms Sherine Whyte, Ms Racquel Wright, Dr. Daniel Thomas – University of Aberdeen.

### PAPERS PRESENTED

- Stanton S, Thompson T, **Ferguson T**. Clinical Performance of the qSOFA Score Among Non-ICU Inpatients with Infection at a Tertiary Hospital in Jamaica from 2015–2016. *Open Forum Infectious Diseases* 2018; ofy210; DOI 10.1093/ofid/ofy210. Available at: <http://dx.doi.org/10.1093/ofid/ofy210> Infectious Disease Society of America, October 3-7, 2018, San Francisco, USA
- **Ferguson TS**, Younger-Coleman NO, Tulloch-Reid MK, Govia I, McKenzie JA, Bennett NR, McFarlane SR, Francis DK, Webster-Kerr K, Grant A, Davidson T, Wilks RJ, Williams DR. Prevalence of ideal cardiovascular health and its components in urban Jamaica: The Jamaica Health and Lifestyle Survey 2016–2017. *West Indian Med J* 2018; 67 (Suppl. 4): Faculty of Medical Sciences Annual Research Conference Annual Research Conference November 8–9, 2018, Kingston, Jamaica
- **Ferguson TS**, Younger-Coleman NOM, Mullings JA, Francis DK, Greene L-G, Lyew-Ayee P, Wilks RJ. Neighbourhood Socioeconomic Status Inversely Associated

- With Blood Pressure Among Afro-Caribbean Youth (Abstract 11598). *Circulation*. 2018;138(Suppl\_1):A11598-A. Available at: [https://www.ahajournals.org/doi/10.1161/circ.138.suppl\\_1.11598](https://www.ahajournals.org/doi/10.1161/circ.138.suppl_1.11598) American Heart Association Annual Session, November 10-14, 2018, Chicago, USA
- **Walker SP.** Reach Up an early childhood parenting programme. Ako Para sa Bata (I am for the child) Conference, Manila, Philippines November 19–20, 2018.
  - **Chang SM.** Lessons from the expansion of the Reach Up Early Childhood Parenting Programme. 6th International Conference on Poverty Reduction and Child Development, November 5–6 2018, Beijing, China
  - **Chang SM.** Home Visiting Studies in Early Childhood in Jamaica. Conference on Home Visiting in Comparative Perspective, June 27–28, 2019 – Beijing, China
  - **Tulloch-Reid MK.** Identifying new partners in our approach to tackling the NCD epidemic NCD interventions Engaging the Church in Jamaica. Ministry of Health Annual Research Conference, Special Session: The Role of the Church in NCD Prevention, Kingston, Jamaica, November 22–23, 2018
  - **Govia IO.** The Congregations Against Chronic Diseases (CONTACT) Study – overview and lessons learned. (10 minutes). Ministry of Health Annual Research Conference, Special Session: The Role of the Church in NCD Prevention, Kingston, Jamaica, November 22–23, 2018
  - Dawkins Y, Lee M, **Ferguson T**, Mills M, Arthurs M, Donaldson K, Murphy T. Review of patients with inflammatory bowel disease at the university hospital of the West Indies between 1980-June 2018. *American Journal of Gastroenterology* 2019;114 (Suppl. 1): S20. DOI: 10.14309/01.ajg.0000578368.06770.5f Advances in Inflammatory Bowel Disease Annual Meeting. December 12-15, 2019, Orlando, Florida
  - **Ferguson T.** Jamaica Health and Lifestyle Survey 2016–2017: Prevalence of NCD Risk Factors and Cardiovascular Disease. Caribbean Institute of Nephrology Conference 11th Annual International Conference on Nephrology and Hypertension, January 18–19, 2019, Kingston, Jamaica
  - **Ferguson T.** Social Determinants Hypertension: A Review of Studies from Jamaica. Caribbean Institute of Nephrology Conference 11th Annual International Conference on Nephrology and Hypertension, January 18–19, 2019, Kingston, Jamaica
  - Nepaul DS, **Ferguson FS**, Younger-Coleman NO, Wilks RJ, Tulloch-Reid MK. A non-laboratory based score for detecting dysglycaemia in a predominantly black Caribbean Population. *Endocrine Practice*: April 2019, Vol. 25, No. Supplement 1, pp. 1–357. <https://doi.org/10.4158/1934-2403-25.s1.1> American Association of Clinical Endocrinologists (AACE), Los Angeles, California, April 24–29, 2019

- **Ferguson TS.** Recent blood pressure treatment guidelines: Can we harmonize the Message? *Jamaican Journal of Science and Technology* 2019; 29 (Suppl. 4): 34–35 University Diabetes Outreach Project (UDOP), April 25–27, 2019, Runaway Bay, Jamaica
- **McKenzie JA, Younger-Coleman NO, Tulloch-Reid MK, Govia I, Bennett NR, McFarlane SR, Walters R, Francis DK, Webster-Kerr K, Grant A, Davidson T, Wilks RJ, Williams DR, Ferguson TS.** Community property value and ideal cardiovascular health: findings from urban participants in the Jamaica Health and Lifestyle Survey 2016–2017. *West Indian Med J* Vol 68 (Suppl 1)17–43. Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019
- **Bennett NR, Ferguson TS, Younger-Coleman NO, Tulloch-Reid MK, Cruickshank JK.** Arterial stiffness in relation to birth characteristics in the Jamaican 1986 Birth Cohort. *West Indian Med J* Vol 68 (Suppl 1)17–43. Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019
- **Williamson GA, Rodrigo S, Ragin CC, Blackman E, Beck JR, Tulloch-Reid MK.** An evaluation of regional cardiovascular disease and cancer research needs using conference abstracts. *West Indian Med J* Vol 68 (Suppl 1)17–43. Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019
- **AV Badaloo, B Chambers O Brown.** Use of deuterium dilution technique to assess sarcopenic obesity in urban Jamaican elderly. International Symposium on Understanding the Double Burden of Malnutrition for Effective Interventions. Vienna, Austria, 10–13 December 2018.
- **AV Badaloo.** Application of stable isotope techniques in nutrition (total body water & body composition, protein turnover, synthesis and oxidation, lipid kinetics, rates of synthesis of compounds, breast milk intake & total energy expenditure). IAEA-sub-regional training course for Caribbean islands on introduction to the use of stable isotopes in human nutrition studies: Jamaica, October 22, 2018.
- **AV Badaloo.** Application of stable isotope techniques in nutrition. First Coordination Meeting on Nutrition Projects Using Nuclear Techniques in SIDS under the IAEA technical cooperation project INT0093, “Applying Nuclear Science and Technology in Small Island Developing States in Support of the Sustainable Development Goals and the SAMOA Pathway”, Austria, Vienna, December, 10–14, 2018.
- **B Chambers, AV Badaloo, M Reid, O Brown, L Wilson.** The association of lean body mass and muscle strength with co-morbidities in elderly urban Jamaicans. *West Indian Medical Journal.* 2019; Vol 68 (Suppl. 1): Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019.



- **CR Taylor-Bryan**, AV Badaloo, MS Boyne, C Osmond, TE Forrester. The association of early life factors with bone mass in Jamaican adolescent children. *West Indian Medical Journal*. 2019; Vol 68 (Suppl. 1): Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019
- **Debbie Thompson**. Metabolic profiles of adult survivors of severe acute malnutrition. IAEA Symposium on the Double Burden of Malnutrition. December 10–13, 2018. Vienna, Austria.
- **DJ Thomas**, SM Howell, AV Badaloo, ME Reid. Measurement of plasma volume in childhood severe acute malnutrition: a comparison of two methods of calculation using Evan's Blue technique. *West Indian Medical Journal*. 2019; Vol 68 (Suppl. 1): Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019.
- **G Junior**, M Reid, A Badaloo. Effect of  $\beta$ -hydroxy-  $\beta$ -methyl butyrate supplementation in conjunction with resistance exercise on muscle strength, protein metabolism and body composition in underweight adults with sickle cell anaemia. *West Indian Medical Journal*. 2019; Vol 68 (Suppl. 1): Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019
- **K Marshall** “Establishing a CAIHR-based biospecimen repository core”. Oral presentation delivered at the CRCRE Annual Scientific Retreat, The University of the West Indies, Mona, April 9, 2019
- **PD Jackson**, FE Morris, ME Reid. Communication channels influence on parental attitudes towards nutrition of children with disabilities. *West Indian Medical Journal*. 2019; Vol 68 (Suppl. 1): Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019
- R Gobin, O Perreira, S Goberdhan, M Sharma, M Ramdeen, A Cort, D VanVeen, T Thomas, **S MacFarlane**, I Govia, M Rambaran, R Emmanuel, R Nasiro, A Abdulkadri, T Palmer, J Sandall, L Poston, U Read, TA Samuels, R Wilks, KCruickshank, S Harding. Strengthening Guyana's primary healthcare system: use of participatory methods to prepare for a community-based, task-shifting intervention in the CONgregations Taking ACTION against NCDs (CONTACT) Study. *West Indian Medical Journal*. 2019; Vol 68 (Suppl. 1): Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019
- **Marvin Reid**. Hydroxyurea and Stroke: The Jamaican Experience. The Caribbean Association of Researchers of Sickle Disease and Thalassemia, 5th Caribbean Conference on Sickle Cell Disease and Thalassemia. October 2019. French Guiana
- **Marvin Reid**. Treatment of Sickle Cell Anemia in the Caribbean. American Society of Hematology Meeting. December 2018. San Diego.



- S McFarlane, R Wilks, K Webster-Kerr, N Younger-Coleman, G Gordon-Strachan. Mental health in the Jamaican population – results of the Jamaica Health and Lifestyle Survey. *West Indian Medical Journal*. 2019; Vol 68 (Suppl. 1): Caribbean Public Health Agency (CARPHA), Port of Spain, Trinidad, June 20–22, 2019.
- S McFarlane, Smart Health Futures 2030: Towards a Compassionate Cancer Care Ecosystem in the Caribbean, A reality? Hampton University's 1st Annual Caribbean Health Disparities Conference and the 24th Annual School of Science Research Symposium, April 2019, Virginia, USA.
- S McFarlane, Science of Cannabis; 'Medical Cannabis: The Way Forward', Inaugural Conference, April 2018, Faculty of Medical Sciences, Kingston, Jamaica
- James K, Asnani M, George K. Patient's Perspective: Hydroxyurea Therapy for Sickle Cell Disease. Poster presentation at Vth Caribbean Congress on SCD. Held French Guiana, October 24–26, 2018.
- Blake A, Guthrie-Dixon N, Grindley M, Barton-Gooden A, Knight-Madden J, Asnani M. Levels of agreement between adolescents' self-assessment and parent proxy report of health-related quality of life in adolescents with sickle cell disease. Oral presentation at 27th Annual Research Conference of the Faculty of Medical Sciences, UWI, Mona, Kingston, 7, Jamaica. November 8–9, 2018.
- Asnani V, Black K, Harris J, Knight-Madden J, Asnani M. Use of the daycare ward for management of acute complications of sickle cell disease: a retrospective review. Poster presentation at 27th Annual Research Conference of the Faculty of Medical Sciences, UWI, Mona, Kingston-7, Jamaica. November 8–9, 2018.
- Bulgin D, Tanabe P, Asnani M, Douglas C. Health Related Stigma and Quality of Life in Adults with Sickle Cell Disease in Jamaica. Poster presentation at American Society of Hematology 60th ASH Annual Meeting & Exposition, December 1–4, 2018, San Diego, CA, USA.
- Malik P, Grimley M, Quinn C, Shova A, Little C, Lutzko C, Loo H, Grassman E, Nordling D, Shreshta A, Felker S, Mehta P, Chandra S, Bushman FD, Kalinyak K, Davies S, Knight-Madden J, Asnani M. Gene Therapy for Sickle Cell Anemia Using a Gamma Globin Expressing Lentivirus Vector and Reduced Intensity Conditioning Transplant Results in Successful Correction of Disease Phenotype. Oral presentation at American Society of Hematology 60th ASH Annual Meeting & Exposition, December 1–4, 2018, San Diego, CA, USA.
- Knight-Madden J. A Case from Jamaica: A Pulmonologist's Approach to SCD in Low-resource Settings. American Thoracic Society, Dallas, May 2019.
- M. Asnani, Knight-Madden J. Review of newborn screening for sickle cell disease in the Anglophone Caribbean. Fifth Caribbean Congress on SCD. Held French Guiana, October 24–26, 2018.

## PUBLICATIONS

## Refereed Journal Articles

- **Baker-Henningham H, Francis T** (2018) Parents' use of harsh punishment and young children's behaviour and academic achievement in Jamaica A longitudinal study of Jamaican children with conduct problems. *Global Mental Health* 5: e32. <https://doi.org/10.1017/gmh.2018.21>
- **Baker-Henningham H, Scott Y, Bowers M, Francis T** (2019) Evaluation of a violence-prevention programme with Jamaican primary school teachers: A cluster randomised trial. *International Journal of Environmental Research and Public Health* 16: 2797. Doi:10.3390/ijerph16152797.
- Benn EKT, Deshpande R, Dotson-Newman O, Gordon S, Scott M, Amarasiriwardena C, Khan IA, Wang YH, Alexis A, Kaufman B, Moran H, Wen C, Charles CAD, **Younger NOM**, Mohamed N, Liu B. Skin Bleaching Among African and Afro-Caribbean Women in New York City: Primary Findings from a P30 Pilot Study. *Dermatol Ther (Heidelb)*. 2019 Jun;9(2):355-367. doi: 10.1007/s13555-019-0297-y. Epub 2019 Apr 24. *PubMed PMID*: 31020513; *PubMed Central PMCID*: PMC6522580.
- Blackman E, Ashing K, Gibbs D, Kuo YM, Andrews A, Ramakodi M, Devarajan K, Bucci J, Jean-Louis G, Richards-Waritay O, Wilson B, Bowen C, Edi E, Tolbert V, Noumbissi R, Cabral DN, Oliver J, Roberts R, **Tulloch-Reid M**, Ragin C. The Cancer Prevention Project of Philadelphia: preliminary findings examining diversity among the African diaspora. *Ethn Health*. 2018 Nov 19:1–17. doi:10.1080/13557858.2018.1548695. [Epub ahead of print] *PubMed PMID*: 30453751; *PubMed Central PMCID*: PMC6526085.
- Brown CR, Hambleton I, Hercules SM, Unwin N, Murphy MM, Nigel Harris E, **Wilks, R**, MacLeish, M. Sullivan, L. Sobers-Grannum, N. The U.S. Caribbean Alliance for Health Disparities Research Group (USCAHDR). Social determinants of prostate cancer in the Caribbean: a systematic review and meta-analysis. *BMC Public Health*. 2018;18(1):900. (**Ferguson TS, Bennett N, Younger-Coleman N** – members of U.S. Caribbean Alliance for Health Disparities Research Group [USCAHDR]).
- Cunningham-Myrie CA, Mabile E, **Govia I, Younger NO, Tulloch-Reid MK**, McFarlane S, Francis D, Gordon-Strachan G, **Wilks R**, Greene LG, Lyew-Ayee P, Theall KP. Neighbourhood characteristics and cumulative biological risk: evidence from the Jamaica Health and Lifestyle Survey 2008: a cross-sectional study. *BMJ Open*. 2018 Dec 14;8(12):e021952. doi: 10.1136/bmjopen-2018-021952. *PubMed PMID*: 30552247; *PubMed Central PMCID*: PMC6303643.
- Daya M, Rafaels N, Brunetti TM, Chavan S, Levin AM, Shetty A, Gignoux CR,

- Boorgula MP, Wojcik G, Campbell M, Vergara C, Torgerson DG, Ortega VE, Doumatey A, Johnston HR, Acevedo N, Araujo MI, Avila PC, Belbin G, Bleecker E, Bustamante C, Caraballo L, Cruz A, Dunston GM, Eng C, Faruque MU, **Ferguson** TS, Figueiredo C, Ford JG, Gan W, Gourraud PA, Hansel NN, Hernandez RD, Herrera-Paz EF, Jiménez S, Kenny EE, Knight-Madden J, Kumar R, Lange LA, Lange EM, Lizée A, Maul P, Maul T, Mayorga A, Meyers D, Nicolae DL, O'Connor TD, Oliveira RR, Olopade CO, Olopade O, Qin ZS, Rotimi C, Vince N, Watson H, **Wilks** RJ, Wilson JG, Salzberg S, Ober C, Burchard EG, Williams LK, Beaty TH, Taub MA, Ruczinski I, Mathias RA, Barnes KC; CAAPA. Association study in African-admixed populations across the Americas recapitulates asthma risk loci in non-African populations. *Nat Commun.* 2019 Feb 20;10(1):880. doi: 10.1038/s41467-019-08469-7. Erratum in: *Nat Commun.* 2019 Sep 4;10(1):4082. PubMed PMID: 30787307; *PubMed Central PMCID*: PMC6382865.
- Daya M, Rafaels N, Brunetti TM, Chavan S, Levin AM, Shetty A, Gignoux CR, Boorgula MP, Wojcik G, Campbell M, Vergara C, Torgerson DG, Ortega VE, Doumatey A, Johnston HR, Acevedo N, Araujo MI, Avila PC, Belbin G, Bleecker E, Bustamante C, Caraballo L, Cruz A, Dunston GM, Eng C, Faruque MU, **Ferguson** TS, Figueiredo C, Ford JG, Gan W, Gourraud PA, Hansel NN, Hernandez RD, Herrera-Paz EF, Jiménez S, Kenny EE, Knight-Madden J, Kumar R, Lange LA, Lange EM, Lizée A, Maul P, Maul T, Mayorga A, Meyers D, Nicolae DL, O'Connor TD, Oliveira RR, Olopade CO, Olopade O, Qin ZS, Rotimi C, Vince N, Watson H, Wilks RJ, Wilson JG, Salzberg S, Ober C, Burchard EG, Williams LK, Beaty TH, Taub MA, Ruczinski I, Mathias RA, Barnes KC; CAAPA. Author Correction: Association study in African-admixed populations across the Americas recapitulates asthma risk loci in non-African populations. *Nat Commun.* 2019 Sep 4;10(1):4082. doi: 10.1038/s41467-019-12158-w. PubMed PMID: 31484942; PubMed Central PMCID: PMC6726619.
  - East J, **Ferguson** T, Newnham M, Titus I, Vickers I, Brown H. Guidelines on Management of the Patient with Diabetic Foot Infection. *West Indian Med J.* 2019; 68 (Suppl. 1): 18-26. DOI: 10.7727/wimj.2018.194 Available at: <https://www.mona.uwi.edu/fms/wimj/article/3902>
  - Lincoln KD, Ailshire J, Nguyen A, Taylor RJ, **Govia** I, Ifatunji MA. Profiles of sleep and depression risk among Caribbean Blacks. *Ethn Health.* 2019 May 28;1-19. doi:10.1080/13557858.2019.1620179. [Epub ahead of print] *PubMed* PMID: 31137946.
  - Murray AJ, Kaiser D, Valdebenito S, Hughes C, Baban A, Fernando AD, Madrid B, Ward CL, Osafo J, Dunne M, Sikander S, **Walker** S, Van Thang V, Tomlinson M, Eisner M. (2018) The Intergenerational Effects of Intimate Partner Violence in Pregnancy: Mediating Pathways and Implications for Prevention. *Trauma,*

*Violence and Abuse* DOI: 10.1177/1524838018813563 journals.sagepub.com/home/tva.

- NCD Risk Factor Collaboration (NCD-RisC). Rising rural body-mass index is the main driver of the global obesity epidemic in adults. *Nature*. 2019 May;569(7755):260-264. doi: 10.1038/s41586-019-1171-x. Epub 2019 May 8. *PubMed PMID*: 31068725.
- **Smith JA, Baker-Henningham H, Brentani A, Mugweni R, Walker SP.** (2018) Implementation of Reach Up early childhood parenting program: acceptability, appropriateness, and feasibility in Brazil and Zimbabwe. *Annals of the New York Academy of Sciences*. 1419:120–40.
- **Smith JA, Rocke KD, Charles SM, Chang SM, Wright AS, Walker SP, Taveras EM, Tulloch-Reid MK.** The role of fathers in overweight prevention: an analysis of a Caribbean cohort. *Glob Health Epidemiol Genom*. 2018 Aug 28;3:e15. doi:10.1017/gheg.2018.12. eCollection 2018. *PubMed PMID*: 30263139; *PubMed Central PMCID*: PMC6152493.
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## INCOME GENERATION

Grant Funding obtained 2018/19

- **1R01MD013347-01 (PIs: Tulloch-Reid/Ragin/Ashing) - 01/09/2018- 31/08/2023 - National Institutes of Health - US \$3.3M – all years.** Extending a Caribbean Based Cohort to Promote US- Caribbean Comparisons to facilitate research addressing Black Health Disparities. This study will extend the third Jamaica Health and Lifestyle Survey (JHLS-III) into a robust Caribbean-based longitudinal cohort investigating genetic and environmental causes of type 2 diabetes, cardiovascular disease and cancer. It will also support US-Caribbean research investigating Black health disparities while allowing cross context comparisons.
- **MRC/Wellcome Trust/DfID/NIHR Joint Global Health Trials Scheme (PI: Baker-Henningham) 01/10/2018-31/12/2019 (£180,852):** Development and evaluation of an integrated early childhood development and violence prevention teacher-training intervention in Jamaican preschools. This study involves the design and evaluation of a teacher-training programme to promote young children's



school readiness and language skills. The new intervention is designed to complement an existing school-based, violence prevention programme to form an integrated early child development and violence prevention programme.

- **Open Society Foundations (Investigators: Walker/Powell/Chang-Lopez/Smith/Grantham-McGregor).** 2018–2020 – US \$ 215,070 – Expanding implementation of the Reach Up Early Childhood Parenting programme. This project is to support the global expansion of Reach Up through a series of regional workshops to train program leads.
- **Botnar Foundation. Investigators M Eisner (PI) A Baban, P Fearon, M Dunne, A Fernando, A Hafeez, C Hughes, B Madrid, A Murray, J Osafo, S Sikander, M Tomlinson, S Walker, C Ward.** 2018–2019 £528,082; UWI £42,985. Evidence for Better Lives, Foundational study. The aim of this study is to investigate the causes of violence in several low and middle income countries.
- **Grand Challenges Canada.** Investigators: S Chang, C Powell, A Brentani 2018-2020. CAN\$43,551 Survive and Thrive in Brazil – The Boa Vista Early Childhood Program. This project is to assist in establishing home visiting programs to support the development of children in the first 1000 days of their lives in most vulnerable households in Boa Vista, Brazil.
- **Ministry of Health and Wellness, Jamaica.** Investigators: Susan Walker, Susan Chang, Christine Powell, Joanne Smith, Julia Rowe-Porter, Melody Ennis 2019-2020. JA\$1,973,975 Reach Up early childhood parenting programme: Evaluation of Implementation and Benefits in Jamaica. This project will assist the MOH in establishing a home visiting intervention programme for vulnerable children under 2 years in one health district per parish in Jamaica.
- **International Atomic Energy Agency (IAEA)** Principal Investigator Asha Badaloo. Using stable isotope techniques to establish body composition references of healthy children in Latin America and the Caribbean for monitoring and interventions to improve young child nutrition. Contract No: JAM6079. Period of Award 2018–2021. Value: €34,500.00
- **United Cannabis** Coordinating Investigator and Protocol Development: Shelly McFarlane. An Open label, Phase 1, 2-Way crossover study evaluating the pharmacokinetics of Prana P1 THC activated capsules to assess the efficacy and pharmacokinetics of THC activated capsules in healthy volunteers. USD 250,000.00. Duration: 2018–9
- **Medicanja, Development Bank of Jamaica:** Coordinating Investigator and Protocol Development Shelly McFarlane. The use of Cannabinoid extracts from Cannabis as adjuvant treatment of Cancer pain. JMD 14M. Duration: 2018–20
- **Avicanna Inc.** PI: Monika Asnani. Neuropathic Pain in Jamaican with Sickle Cell Disease. Value: J\$ 10,160,234.11. Period: Effective December 2018.

## Ongoing Grants

There are currently fifteen ongoing grants. Funding agencies include Jamaica Ministry of Health and Wellness, NHS National Institute for Health Research (UK), University of North Carolina, The Bernard Lown Scholars in Cardiovascular Health Program Harvard T.H. Chan School of Public Health, International Atomic Energy Agency (IAEA) and the MRC/AHRC Global Public Health: Partnership Awards Scheme. The total applicable income for the year 2018–2019 is J\$28.95 Million

## PUBLIC SERVICE

- **Pan American Health Organization** – Advisory Committee on Health Research (Susan Walker)
- **World Health Organization**. Member Early Childhood Development Guideline Development Group. (Susan Walker)
- **Jamaica Mental Health Advocacy Network**, Executive Board Member (Ishtar Govia)
- **Alzheimer's Jamaica**, Executive Director (Ishtar Govia)
- **Heart Foundation of Jamaica**, Executive Board Member (Suzanne Soares-Wynter)

## Professional Committees

- **Marshall Tulloch-Reid** Executive Member, Director – Caribbean Endocrine Society
- **Novie Younger-Coleman** Past President – Jamaica Statistical Society
- **Trevor Ferguson** Treasurer – Association of Consultant Physicians Executive
- **Ishtar Govia** Scientific Committee Co-Chair – Alzheimer's Associations of the Caribbean
- Member-At-Large of the Executive Council; Caribbean Regional Conference of Psychology Standing Committee, Co-Chair, Publications and Communications Standing Committee, Co-Chair – Caribbean Alliance of National Psychological Associations (CANPA); Editorial Committee Member – *Caribbean Journal of Psychology*
- **Asha Badaloo** Voluntary nutritional consultant at Prema's *free medical clinic* at 10 Henderson Avenue, Kingston 11, 2006–present
- **Carolyn Taylor-Bryan** Member – National Infant and Young Child Feeding Committee
- **Shelly McFarlane** Treasurer and Charter member – The Jamaica Statistical Society (2013–present); Volunteer – Health Promotion Team, Jamaica Special Olympics (2011–present)



- Facilitator – Youth Diabetes Support Group (2010–present); Co-Chair Young Children Priority One Committee 2017–2018, Division 23E, Kiwanis International; Member of the Adjudicating & Organizing Committee, Ministry of Health, 3rd National Health Research Conference; Member of Organizing Committee, University Diabetes Outreach Programme Annual Conference
- **Marvin Reid** President, Caribbean College of Family Physician; Member, Research Advisory Committee, Caribbean Public Health Agency; Member, Ministry of Health and Wellness Cannabis Advisory Board; Member & Trustee, Dudley Grant Memorial Trust; President North American Region, World Family Medicine Association
- **Jennifer Knight-Madden** Member, Ministry of Health and Wellness Sickle Cell Technical Working Group; President, Sickle Cell Trust; Vice President, Caribbean Network of Researchers for Sickle Cell Disease and Thalassemia; Member, SickKids Caribbean Initiative
- **Debbie Thompson** Co-Benefactor – The Promise Award: 2015–present; Founding Member/ Parent Counsellor – Jamaica Autism Support Association: 2007–present; Executive Member-Post-Doc Advisory Committee (PDAC), Hospital for Sick Children, Toronto; Member, Management Committee, Sick Kids Caribbean Initiative (SCI), Toronto
- **Kwesi Marshall** Chair, National Food Industry Task Force, a food and nutrition advisory board of the Ministry of Health and Wellness
- **Monika Asnani** Term Graduate Faculty Appointment. Duke University Graduate School. 2017–2022; Co-Chair, Caribbean Primary Care Research group (CAPCRG), Caribbean College of Family Physicians. 2015-Present; Caribbean Representative to Worldwide Initiative on Social Studies in Hemoglobinopathies (WiSSH) since 2012; Board Member of Caribbean Network of Researchers in Sickle Cell Disease and Thalassemia since 2014; Member, Global Evidence Synthesis Initiative (GESI) Network of Evidence Synthesis Centers. Since May 2017; Academic Editor, *Plos One Journal*. July 2014–present.

## STUDENTS

### MSc Epidemiology 2017/18 cohort – Students Completed

Alphanso Blake

Daniel Nepaul

Marsha James

Sade Richards

### PhD Nutrition

Vanessa White Barrow



# CONFUCIUS INSTITUTE

Dr. Courtney A. Hogarth – Jamaica Director

## SEMESTER I

### September 2018

September 2018 saw the resumption of activities at the Confucius Institute. As of this date the members of staff were:

- Dr. Courtney A. Hogarth, Jamaican Director
- Ms. Keneisha Sappleton, Senior Secretary
- Mrs. Guo Zhouya, Mandarin Lecturer
- Ms. Wu Runxia, Part-time Chinese Instructor
- Ms. Clair Dunn, Office Attendant

Regular classes resumed in the Department of Modern Languages & Literatures, 1st – 3rd year. A total of 181 students were registered in the credit course.

Evening/community classes for Mandarin learners also resumed at the Confucius Institute with a total of 10 students.

Discussions and meetings started early with incoming Principal, Professor Dale Webber who displayed vested interest in the work of the Confucius Institute.

Mandarin Lecturer, Ms. Guo Zhouya, celebrated the Mid-Autumn Festival with the UWI Chinese Club members.

### December 2018

Dr. Courtney Hogarth, Jamaican Director, departed Kingston for the global Annual Hanban Conference. This year's conference was held in Chendgu City, Sichuan Province from December 4–5.

During the conference in Chengdu, Dr. Hogarth met with representatives from the partner university, Taiyuan University of Technology (TYUT). He was informed that Dr. Feng Lei, who has worked closely in the past with the Confucius Institute, would be sent to Jamaica as the new Chinese Director. Dr. Feng's application material was to be submitted shortly after the meeting.

Shortly after the conference ended an invitation from the partner university was extended to the Mona Principal for a visit to China.

The HSK Examinations were administered to five (5) students on December 22, 2019 at varying levels.

## **SEMESTER II**

### **January 2019**

The **Survey of Chinese Culture** course, as part of the Minor in Chinese was offered this semester. A total of nine (9) students sat the course. They all demonstrated interest in subject matter and achieved satisfactory results.

### **February 2019**

On February 16, Dr. Li Kailin arrived in Jamaica from TYUT. Dr. Li comes in the capacity of Lecturer, initially for a period of two years. He will teach in both credit and non-credit courses in the Department of Modern Languages & Literatures.

### **April 2019**

On April 4, 2019, the Confucius Institute participated in the Annual Modern Languages Day. Both Calvin Wong, and Confucius Alumnus, Duncan Reid, made valuable contributions in the way of presentations at this event.

### **June 2019**

Dr. Courtney A. Hogarth departed Jamaica for China to undertake research at the Dunhuang Grottoes, as well as prepare for the arrival of Professor Webber in early-mid July.

### **July 2019**

On July 13, 2019, Dr. Courtney A. Hogarth and Dr. Feng Lei, the Chinese Director appointed to the Confucius Institute at Mona, welcomed Professor Webber to Taiyuan City at the Wu Su Airport. Professor Webber was responding to an invitation

extended in December 2018 for a visit to the campus of TYUT. While in Taiyuan, Professor Webber engaged in the following activities:

- Meeting with the Chair of the Council of Taiyuan University of Technology, Mr. Wu Yucheng. In this meeting Prof. Webber and Dr. Hogarth were both welcomed to the institution. Among the matters mentioned were the 10th anniversary of the CI at Mona, the Second Caribbean Confucius Institutes Regional Meeting to be hosted by Mona in mid-October, future staff and student exchanges, as well as continued collaboration on the operation of the Confucius Institute.
- A guided tour of an important exhibition displaying the history of TYUT since its founding in 1902. This lasted for approximately an hour and showed the changes and developments of said university over the years. Interestingly, the University of the West Indies is being gradually written into the history of TYUT, commencing in 2009 when the Confucius Institute was established on the Mona Campus of the UWI.
- A working meeting with the President of TYUT, Huang Qingxue. In this meeting were several representatives from TYUT. There were several matters under discussion relating to the Confucius Institute, the new Confucius Institute building at Mona, teacher, student and academic exchanges.
- A brief ceremony to confer on Prof. Webber the title of Honorary Professor to the TYUT; and on Dr. Hogarth the title of Visiting Professor, TYUT College of Art. They were both presented official documents by President Huang Qingxue.
- A tour of the new campus of TYUT was carried out.

In Beijing, Professor Webber met with Professor of Chinese Medicine, Dr. Zheng Huaiyu. We explored the possibilities of Prof. Zheng coming to the Mona Campus to lecture and hold workshops in Traditional Chinese Medicine.

Professor Webber later travelled to Peking University where we met with Prof. Zhao Yang, head of the College of Chinese as a Second Language. Through this meeting with Professor Zhao, Professor Webber came to better understand how Chinese universities are funded, structured and how research is organized and carried out.

Professor Zhao also arranged a tour of the campus of Peking University.

# EARTHQUAKE UNIT

Professor Simon Mitchell, BSc Hull, PhD Liverpool – Head of Unit



## INTRODUCTION

The Earthquake Unit (EQU) at the University of the West Indies continues to operate the Jamaica Seismograph Network (JSN), Jamaica Strong Motion Accelerograph Network (JSMAN) and GPS Network along with operating the USGS-GSN broadband digital station at Mount Denham in Manchester. The EQU is also Jamaica National Data Center (NDC\_JM) for the Preparatory Commission for Nuclear Test Ban Treaty Organisation (CTBTO) where we operate equipment to access Seismic data, Hydro-acoustic data, Infrasound data and Radionuclide data from over 337 stations around the world.

Prof Simon Mitchell continued as head of the unit and Mr Kevel Daily joined the staff of the EQU as GIS office during the year.

## WORK OF THE UNIT

On November 5, 2018 the EQU observed World Tsunami Awareness Day with an outside broadcast from the Faculty of Science and Technology (FST) in collaboration with the Office of Disaster Preparedness and Emergency Management (ODPEM) on RJR radio's Hotline. Host Clive Mullings conducted interviews with EQU and ODPEM staff along with other disaster management experts.

On November 20, 2018 the EQU participated in observer capacity to earthquake drill in the Department of Chemistry.

In December 2018 the Portmore Municipal Council kicked-off its Caribbean Development Bank sponsored **National Disaster Risk Management in the CARIFORUM** project to strengthen disaster risk management (DRM) in Portmore. Project objectives are update DRM profile, create DRM and evacuation plans with community based DRM capacitation. The DRM outputs will feed into a concurrently developed GIS Hazard-Risk database and management system which be available online all stakeholders to support future planning and development. The EQU participated since the

proposal development stage and sits on the project steering committee which is chaired by the Ministry of Local Government and Community Development. The project is slated for completion in September 2019.

From January to March of 2019 the EQU participated in earthquake simulation planning and execution along Marcus Garvey Drive. The Kingston and St. Andrew Municipal Corporation (KSAMC), Emergency Operations, Communications and Public Utilities sub-committee wished to test response to a major earthquake, focusing on mass casualty capability and the incident command system. The participating industrial partners were Seprod Limited and West Kingston Power Partners. Response and traffic control was exceptional as simultaneously there was a real but unrelated fire at the Riverton City Dump.

The EQU participated in Earthquake Awareness Week (EAW) with a statement on earth activity for the year 2018 on January 14, 2019 at the ODPEM press launch. On January 16, 2019 we exhibited at ODPEM EAW day for school at Fort Charles, Port Royal. The event featured an outside broadcast with Cliff Hughes of Nationwide Radio.

In January proposal evaluations were done for the micro-zonation component of the Jamaica Social Investment Fund (JSIF) – Disaster Risk and Vulnerability Project (DVRP).

On January 25, 2019 a presentation on Jamaica's vulnerability to earthquakes was given to Caribbean Maritime Institute preliminary year students.

On February 6–7 the EQU participated in UWI- Research Days 2019.

On March 1, 2019 the EQU attended the inaugural meeting of the Specially Vulnerable Area technical working group (SVA-TWG). The Disaster management Act, 2015 speaks to the process of declaring SVAs which would require special precautionary plans to mitigate and prevent disasters upon declaration. The Act does not define what makes a particular area specially vulnerable. SVA-TWG's role is to define SVA, develop criteria tools which can be applied scientifically to identify SVAs, identify a pilot SVA and ensure through guidance the establishment of SVA regulations. The SVA-TWG reports to the Regulations Committee, Ministry of Local Government and Community Development.

On March 11, 2019 a presentation was given to Mona High School teachers as part of a staff development workshop on disasters.

The EQU participated in the Planning institute of Jamaica (PIOJ) Economic and Social Survey Jamaica (ESSJ) 2019.

In June 2019 a draft of the Landslide Report was reviewed for JSIF – DVRP.

NETWORK

Disaster Risk and Vulnerability Project

The Jamaica Social Investment Fund (JSIF) implements the six year Government of Jamaica funded Disaster Risk and Vulnerability Project (DVRP). DVRP began in 2016 and is funded through a US \$30M loan agreement with the World Bank to promote climate and disaster management for sustainable development. To this end EQU has benefited from vast improvements to the seismic and strong motion networks as outlined below.

For the year August 1, 2018 to July 31, 2019 we had twelve of the seismic stations in the Jamaica Seismograph Network upgraded. The Yallahs seismograph station was the only seismograph station not to be upgraded as work is ongoing to better secure the station which was broken into and all the equipment stolen. There were also fifteen new free-field accelerograph stations installed at selected hospitals and schools across the island to expand the strong motion accelerograph network on the island (Figure 1). In addition to the free field accelerograph stations installed, we installed single accelerographs on six hospital buildings. These new accelerograph stations operated in addition to the other free field and building installations that were in place before.

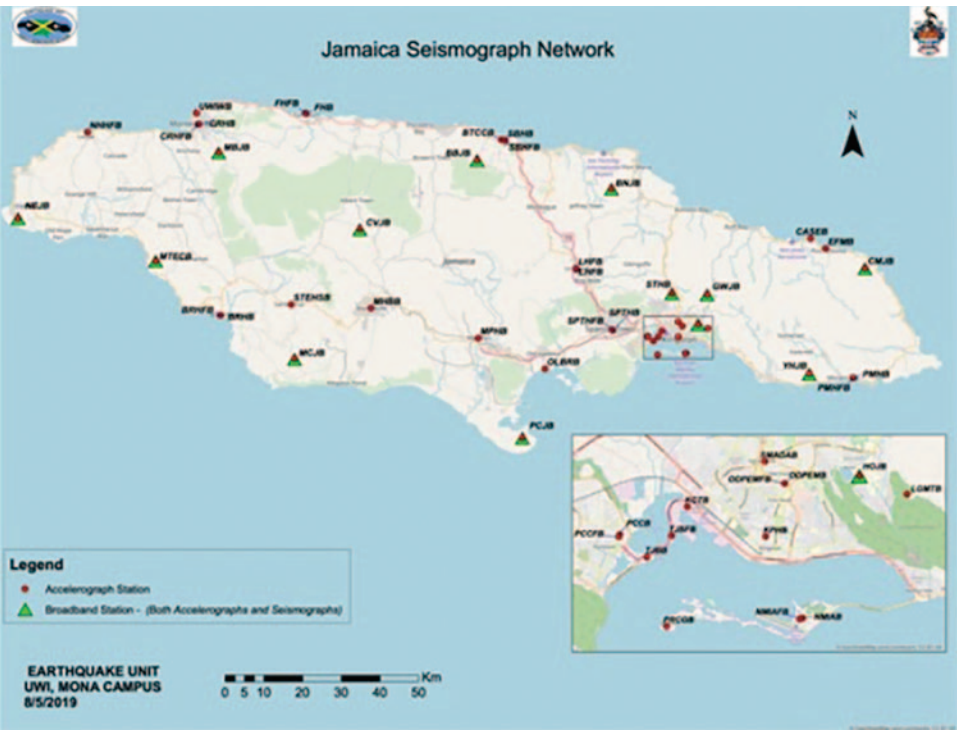


Figure 1. Jamaican Seismograph and Accelerograph Station networks



One of our objectives was to improve the quality of the seismic data recorded across the island and this was achieved with the construction of five seismometer vaults. These vaults were built at Negril Seismograph Station in Westmoreland, Pike Seismograph Station in Manchester, Greenwich Seismograph station in St. Andrew, Castle Mountain Seismograph Station in Portland and the Montego Bay Seismograph station at Kempshot in St. James. Repair work was also carried out on the Bonny Gate vault in St. Mary. For the other seismograph stations at Stony Hill in St Andrew, Munro College in St Elizabeth, Portland Cottage in Clarendon, Mount Edgecombe in Westmoreland, Bamboo in St Ann and Yallahs in St Thomas we have seismometer piers instead of the vaults to accommodate the installation of the sensors (Figure 2).



*Figure 2. Equipment at one of the upgraded seismograph station at Stony Hill.*

We also had improvement work done with the lightning protection and grounding systems at the seismic stations to protect the equipment installed at these stations. All of the seismograph stations are powered by solar power which resulted in more reliable uptime of the stations and reduced possible damage to equipment from surges on the Jamaica Public Supply lines.

We improved on seismic monitoring in the western parts of the island by building a new seismograph station at Mount Edgecombe in Westmoreland to fill the gap between Munro College (St. Elizabeth) and Negril (Westmoreland). This will greatly assist in monitoring seismic activity on the Montpelier-New Market fault and off-shore Black River which are seismically active areas.

The Central Recording Station at Mona has also been updated. The station is now





*Figure 3. Solar Panel for the Earthquake Unit's Central Recording System.*

powered by an upgraded solar power system (Figure 3). The data acquisition and processing equipment at the Earthquake Unit Central Recording Station operated without any problem as a result of the new solar power system which is a 48 volts system consisting of twelve 315 watt solar panels, twenty four S605 Rolls 468Ah 6 volts Deep Cycle Batteries, one 6800 watts Xantrex inverter and a Schneider 60Amp Charge Controller. Work has begun in the data acquisition and processing room to install eight 40 inch Samsung monitors. Due to delay in receiving the material needed for the installation the display room was not completed in this period. A new 30 foot communication tower with grounding and lightning protection was installed on the roof of the Earthquake Unit's building.

### **GPS NETWORK**

For this period we acquired GPS data from the National Land Agency (NLA) for all their stations to use in our ongoing research. The Earthquake Unit continues to collaborate with the University of Wisconsin by working with Professor Chuck DeMets to process the GPS data for use in ongoing research work. We also have access to the data from the three UNAVCO GPS stations at Morant Cays, Pedro Bank and at the University of the West Indies. We also operate one GPS Continuous Station with a Trimble NETRS receiver at Pike in Manchester where data was downloaded and uploaded for processing. Figure 4 shows the continued movement of the GPS points in Jamaica relative to the Caribbean plate.

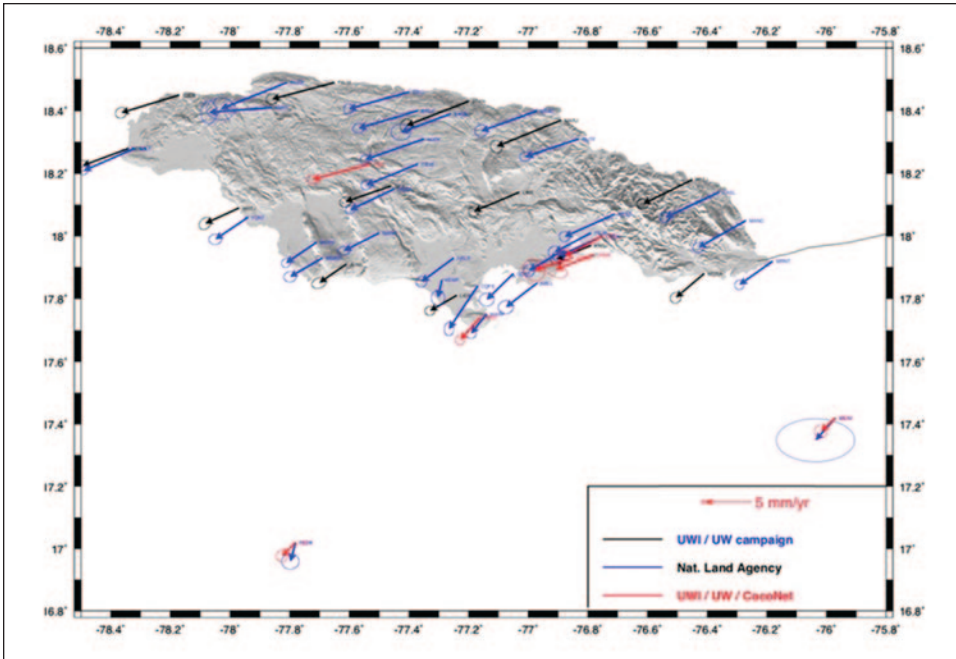


Figure 4. GPS point movement in Jamaica, showing the general NE-SW compression

The Earthquake Unit continued to operate the Jamaica National Data Center (NDC\_JM) for the Comprehensive Nuclear Test Ban Treaty Organization (CTBTO). There were no major issues with the CTBTO equipment this year and we were able to do the necessary routine maintenance needed on the equipment. Earthquake Unit staff members continued to have access to all the CTBTO data. The Seismic Analyst visited the CTBTO for a one month Data Analyst Capacity Building training and the Network Engineer attended a one week training course on Seiscomp3 in Vienna. In addition all the technical staff members at the EQU received training in house.

## EARTHQUAKES RECORDED

The JSN recorded 132 local events (Table 1, page 500) for the period from August 2018 to July 2019, compared to 74 recorded in the previous year. This is within the norm for annual fluctuations and does not reflect an increase in activity.

The largest 'cluster' of earthquakes was located to the north-east of Kingston in the north-western Blue Mountains Block/Wagwater Belt. A small cluster of earthquakes was also recorded to the north of Spanish Town and scattered earthquakes were recorded elsewhere (Figure 5, page 500).

EARTHQUAKE EVENT SUMMARY AUGUST 2018 to JULY 2019											
Year	Month	Located Events		Total located	Recorded Events					Total recorded	Felt Events
		Local	Near		Local	Near	Regional	Distant	Blasts		
2018	Aug	12	6	18	12	6	13	0	2	33	1
2018	Sep	14	4	18	14	4	15	0	0	33	3
2018	Oct	10	5	15	10	5	10	0	3	28	2
2018	Nov	9	3	12	9	3	29	0	5	46	1
2018	Dec	11	4	15	11	4	9	0	5	29	0
2019	Jan	15	4	19	15	4	16	0	6	41	2
2019	Feb	13	1	14	13	1	5	0	2	21	0
2019	Mar	9	4	13	9	4	10	0	7	30	0
2019	April	15	5	20	15	5	7	0	2	29	3
2019	May	8	0	8	8	0	12	0	6	26	0
2019	Jun	4	1	5	4	1	2	0	2	9	0
2019	Jul	12	3	15	12	3	3	0	3	21	1
ALL	Totals	132	40	172	132	40	131	0	43	346	13

Table 1: Events recorded by the Central Recording Station at the EQU from August 2018 to July 2019; of the 132 local events recorded, thirteen were felt.

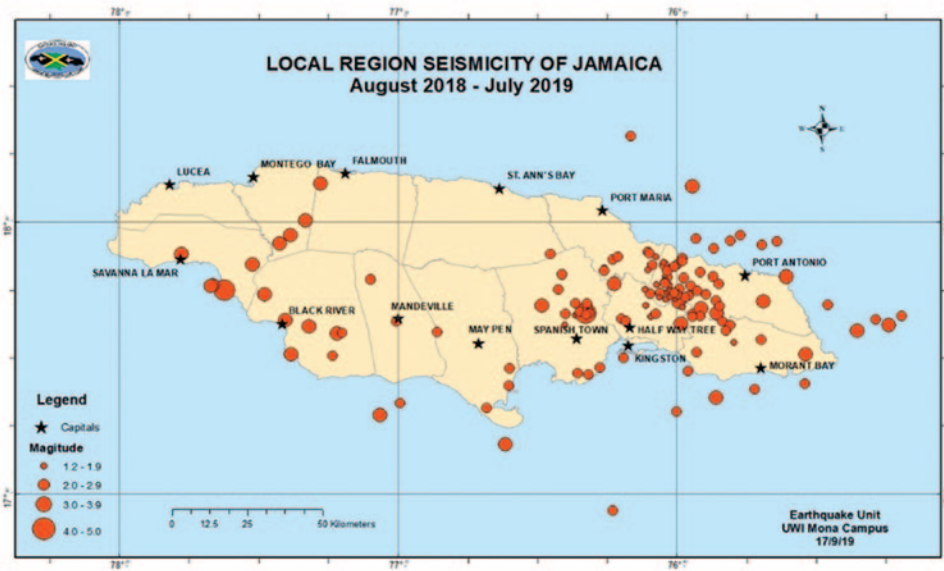


Figure 5. Earthquakes in Jamaica from August 2018 to July 2019.

The total number of event processed by the Jamaica Seismic Network was 346, which included: 132 local events, 40 near events, 131 regional events, and 40 blasts (Table 1).

## COMMUNITY SERVICE

The Earthquake Unit works in close collaboration with ODPEM to disseminate the findings of research and bolster disaster risk reduction efforts. Other partners are, KSAMC, PIOJ, Jamaica Institution of Engineers, Portmore Municipal Council.

There were twelve school visits to the EQU during the year comprising totals of 554 students and 52 adults.

There were media engagements throughout the year with CVM-TV, RJR radio, TVJ, Nationwide Radio, Power 106, Loop Jamaica, Northern Caribbean radio.

## COMMITTEES

- National Disaster Risk Management Council (NDRMC): Prevention and Mitigation, Preparedness and Emergency Operations, Recovery Planning, Public Education and Information
- Project Steering Committee: Strengthening the Disaster Risk Management of the Portmore Municipal Council
- Specially Vulnerable Area – Technical Working Group.

# INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES, MONA CAMPUS UNIT

Leith Dunn, BA (Hons) MSC UWI, PhD LSE – Head of Unit



The IGDS Mona Unit programme priorities in Teaching, Learning & Student Development; Research, Publications and Innovation; and Public Service/Outreach continued to be guided by the 2017–2022 UWI Strategic Plan centred on: Access, Alignment and Agility. Increased demand for Gender Specialists globally coincided with the UN Sustainable Development Goals (2015–2030) which includes Goal #5 (Gender Equality) and gender as a cross-cutting issue to achieve all 17 goals.

## TEACHING, LEARNING & STUDENT DEVELOPMENT

**Undergraduate programme:** Delivery of the BSc in Gender and Development (Major) and the Minor in Gender and Development Studies continued. Total BSc enrolment was 80 (69 females & 11 males). The Unit welcomed 18 new students (14 females and 4 males).

**Teaching:** The Unit delivered 20 courses to 666 students (which included five (5) courses at the UWI Mona's Western Jamaica Campus (WJC). The 666 students was a reduction compared to 749 students in 20 courses in 2017/2018. Registration per semester was: 334 students (71 males and 263 females) registered in nine (9) courses in Semester 1; 303 students (53 males and 250 females) in nine (9) courses in Semester II; and 29 students (1 male & 23 females) in two (2) courses in Summer School 2019.

**BSc Gender and Development Majors Graduating:** 15 students graduated on November 3, 2018 (10 females & 4 males) which increased the total number of Gender and Development BSc graduates to 129 since the programme started in 2009/2010. There were: One (1) Upper Second Class Honours; nine (9) Lower Second Class Honours and seven (7) Passes.

**Minors Awarded in Gender and Development Studies:** Twenty (20) students declared the Minor during 2018/2019, resulting in 130 students who have declared the Minor to date.



*Analysis of enrolment trends:* The reduction in enrolment in Gender courses, from 749 in AY 2017/2018 to 666 in AY2018/19, continued to be a challenge due to: continued lack of public awareness of gender and development as a career option among students, teachers and parents; absence of CSEC/CAPE gender courses; the Unit's limited capacity to fully participate in The UWI Mona's recruitment visits to high schools to promote the degree programme; several students offered a place being unable to take up the offer due to financial problems. Several enrolled students applied for Leave of Absence due to financial difficulties.

### **Enhanced Teaching and Learning Strategies**

*Curriculum:* The curriculum, course outlines and reading lists were updated, consistent with recommendations of the 2012/2013 Quality Assurance Review (QAR). AQAC approved one new course:- 'Critical Perspectives on Gender and Violence' developed by Dr Adwoa Onuora, which is being delivered in Semester 1 AY2019/2020 and has an enrolment of over 25 students.

*Student internships:* Inter-institutional partnership continued to be organised to enhance teaching and learning and build capacity building for gender mainstreaming. Students registered in GEND3032 (Gender Climate Change and Disaster Risk Management) visited three institutions to complete assignments. These were: The UWI's Institute for Sustainable Development (ISD) and the Disaster Risk Reduction Centre, the Combined Disabilities Association (CDA), and the Office for Disaster Preparedness and Emergency Management (ODPEM).

**BSc Guild Representative:** Following representation by IGDS Majors in AY2017/2018, with the support of the IGDS Mona Unit staff, the Guild's Constitution was changed to facilitate inclusion of an IGDS Faculty Representative on the Guild of Students. This followed months of lobbying and successful presentations to the Guild Executive and student body by Mrs Deadranne Morrison, who was selected as IGDS Student Representative, on the Guild, as well as The UWI Academic Board. The inclusion of a representative of Gender Majors on the Guild is another important milestone in the process of institutionalising the IGDS, BSc Gender and Development students and the degree programme. Students at Mona overwhelming voted to support the change in the Guild Constitution to include the IGDS students as well as the inclusion of an IGDS Student Representative on the Executive. This was achieved despite the lack of support from some members of the Guild's Executive. The IGDS Mona Unit selected Mrs Morrison as the representative to sit on the Guild's Executive for AY2017/2018. Following the 2019 elections for the new Guild Executive, Mr Ricardo Russell was selected as the IGDS Mona representative.

*Scholarship awardee:* Ms Nacauta Henry (second year Gender Major) was awarded a scholarship to attend the **Women Deliver 2019 Conference** on gender equality, and

the health rights, and wellbeing of girls and women, held in Vancouver, Canada, June 3–6, 2019.

**UWI Student Awards:** Three (3) BSc Gender Majors received awards at the University Student Awards ceremony held on April 6, 2019. Ms Deadranne Morrison, who was selected as the IGDS Guild representative and the IGDS Mona Unit's representative to the Academic Board, received a Certificate of Excellence for Leadership on the Guild of Students. Two BSc Gender students received Certificates for Outstanding Performance in Sport: Ms Isheka Binns, for excellence in Track & Field and Mr Orande Pearson for excellence in Cricket.

**Support to Postgraduate programmes:** The Unit's academic staff continued to support graduate programmes within and outside the IGDS, locally, regionally and internationally. They served as supervisors, advisors and examiners and delivered guest lectures and special modules on Gender in graduate programmes. The academic staff supervised seven (7) postgraduate research students: Dr Onuora – 1 PhD candidate and 1 MSc student; Dr Dunn – 2 PhDs, 2 MPhil candidates and 1 MA student. They were registered in the IGDS Regional Coordinating Unit, IGDS St Augustine and other UWI Departments. Dr Dunn also served as Examiner for two (2) PhD theses for candidates from SALISES (UWI Cave Hill) and Faculty of Humanities at the University of Johannesburg.

*Graduate Teaching:* In Semester 2 Dr. Dunn continued the annual on-line delivery of the *Gender Issues in Health* module in the FMMS6321 Family Medicine programme in the Faculty of Medical Sciences, to 25 medical doctors register for the programme at UWI Mona and UWI Cave Hill campuses. She also served as Examiner for a PhD thesis from the University of Johannesburg.

## RESEARCH

**Gender Mainstreaming:** Linked to Jamaica's National Policy for Gender Equality (NPGE), the UWI Gender Task Force and the Campus' Gender Action Plan, the Mona Unit team continued to: i) build awareness of policy commitments, to work with Gender Focal Points in various faculties and departments to develop their own Gender Action Plans and implement relevant programmes.,

**Research Projects:** The Mona Unit staff members were involved in eight (8) research projects through partnerships with various agencies and these were implemented with support of Students and Research Associates. The projects are:

**1. Title: Women's Entrepreneurial Development (WED) Assessment in Jamaica, with the ILO and the Jamaica Employers Federation (JEF).** The IGDS Mona Unit was commissioned to conduct a WED Assessment for Jamaica, as part of a global ILO project. The study was led by Dr Dunn as Principal Investigator (PI) and involved use

of a specially developed methodology to conduct research to identify enabling and inhibiting factors for women's entrepreneurial development. The global ILO WED questionnaire was adapted and revised based on feedback from a local WED Advisory Committee which was formed to support the Project. The project proposal was reviewed and approved by the UWI's Ethics Committee. A research team was trained and deployed for data collection between July-August 2019. The WED survey involved administration of 238 questionnaires to women in business. The study also involved collecting data through Key Informant Interviews with 25 stakeholders in government agencies, business development service organisations, financial institutions and donor agencies that support women entrepreneurs. Three(3) focus groups were also held to collect data from women in business. Data analysis and a draft report were prepared and submitted to the ILO. A V validation workshop is scheduled for September 30, 2019 after which the report will be revised, published and launched later this year.

**2. Title: Improving Household Nutrition Security and Public Health in CARICOM (Food & Nutrition):** Dr. Dunn serves as Co-Investigator and Gender Specialist for this four-year multi-institutional, three-country research project, headed by Professor Alafia Samuels (PI), Director of the George Alleyne Chronic Disease Research Centre in CAIHR, The UWI, Cave Hill campus, along with Professor Fitzroy Henry of UTECH. The project is funded by the International Research and Development Centre (IDRC), and seeks to ascertain the most effective gender sensitive ways to improve food sovereignty, household food security and nutrition to reduce the burden of obesity-related non-communicable diseases in CARICOM states.

Progress report: In Phase 1, Dr Dunn as Gender Advisor has: provided gender training for project researchers at the inception workshop; conducted a gender review of related policies. She led a research team that conducted 47 interviews with stakeholders in Jamaica's food industry and presented the findings at a validation and planning workshop held at the UWI in Barbados. She also attended team meetings with the Minister of Health of Jamaica and the first meeting of the regional Project Advisory Committee (PAC) in Barbados in January 2019. The PAC reviewed and provided feedback on recommended interventions to improve household nutrition and food security, using data from research findings for the studies in Jamaica, St Kitts and Nevis and St Vincent and the Grenadines.

In Phase 2, A research team was trained to conduct eight (8) focus groups with consumers in rural and urban areas in Jamaica. Transcriptions and project summaries have been completed and sent to Barbados as part of the analysis for the three countries. Work continues to support gender mainstreaming in the project's monitoring and evaluation framework curriculum as well as drafting of abstracts and articles for publication.



**3. Title: Enhancing Knowledge and Capacity in Comprehensive Disaster Management (EKACDM) Initiative:** *Publications launched:* On May 16 2019 the UWI's Institute for Sustainable Development and the Disaster Risk Reduction Centre hosted an event with stakeholders to launch outputs from the EKACDM project which was a five-year project funded by Global Affairs Canada, to support implementation of the Comprehensive Disaster Management (CDM) Framework for 2014–2024 of the Caribbean Disaster Emergency Management Agency (CDEMA). Research Outputs included four (4) publications produced by the IGDS Mona team- Dr Leith Dunn, Mrs. Kimberly Carr-Tobias and Mrs. Indi McLymont-Lafayette. Publications include: two gender training manuals and two gender training strategies that will support gender mainstreaming in climate change and disaster risk management in the Caribbean in various sectors. An implementation plan was also produced to enable policy makers to integrate gender-sensitivity in Comprehensive Disaster Management. These tools and publications are timely, given the very active 2019 Hurricane season.

*MSc Course* in Gender Climate Change and Disaster Risk Management: Dr Dunn and Mrs. Carr-Tobias completed and submitted the curriculum and supporting documents for: delivery of an on-line MSc course in the ISD/DRRC's, MSc Programme.

**4. Title: The African-Caribbean Women's Post Diaspora Network:** The first of two publications were completed from this two-year multidisciplinary Network research project, funded by the UK's Arts and Humanities Research Council (AHRC) in 2018.

Issue 13 of the Caribbean Review of Gender Studies (CRGS), the IGDS' on-line journal co-edited by Dr. Leith Dunn and Dr. Suzanne Scafe was published in June 2019.

Dr. Scafe and Dr. Dunn have also been working with authors and peer reviewers for the second co-edited volume which will be published as a Special Issue of the '*African and Black Diaspora: An International Journal*', published by Routledge.

In July 2019, the AHRC invited Dr Dunn to present a paper on the project at a national event to commemorate the UN International Decade for People of African Descent which was held in London.

Background: Dr Scafe, Principal Investigator (LSBU), and Dr. Dunn, Co-Investigator, established a network of 13 female Caribbean academics in universities in the UK, North America and the Caribbean. The network focused on globalisation and its impact on African-Caribbean women migrants and coincided with the UN International Decade for People of African Descent. Outputs from the project were: a) establishment of a website <http://www.lsbu.ac.uk/schools/arts-and-creativeindustries/research/african-caribbean-women-post-diaspora-network>; b) organization of four (4) academic seminars, at LSBU, UK in April 2017 and July 2018; at The UWI Mona campus,

September 14–16, 2017 and the University of Toronto, April 6–7, 2018; c) preparation and circulation of the call for papers for the fourth and final seminar held at LSBU in July 2018; and d) production of two (2) co-edited peer-reviewed volumes from seminar papers.

**5. Title: CPC Child Trafficking Prevalence Study:** The International Organization for Migration (IOM), Jamaica Mission in partnership with a US based international health research agency is preparing to conduct a prevalence study on child trafficking in Jamaica. Dr. Dunn conducted interviews with key stakeholders and prepared a scoping/background report and research questions to support the development of a research proposal for submission to the UWI Ethics Committee for review. She also provided technical assistance to several visiting researchers and members of the project evaluation and monitoring teams as well as IOM stakeholders and other representatives under the Child Compact Project. Results of the prevalence study on child trafficking in Jamaica, will support advocacy and to expand the government's efforts to identify and protect child victims and prosecute perpetrators of these crimes. Dr Dunn has also been supporting the SALISES team working on a child trafficking prevention programme.

**6. Title: The Human Right to Respect Sexual Orientation and Gender Identity in the Caribbean and Latin America - Current Situation and Perspectives:** Ms. Carla Moore was the Jamaican Researcher for an 11 country project, sponsored by the Inter-American Institute of Human Rights, the International Bar Association and the United Nations Latin American Institute for the Prevention of Crime and the Treatment of Offenders (ILANUD).

**7. Title: Gay Bisexual and other MSM Condom and Lubricant Access:** Ms Carla Moore also conducted research for a USAID-funded project, for the Ministry of Health and JFLAG. An intersectional empowerment based theoretical framework and quantitative methodology were used to select and interview a cross-section of 208 LGBT persons: gay, bisexual and other MSM (GB+MSM) living in Jamaica, to assess their access and barriers to purchasing condoms and lubricants. The MOH will use results to guide interventions with key and vulnerable population groups.

## OUTREACH PROGRAMME

- **Ninth Lucille Mathurin Mair Public Lecture** The IGDS Mona Unit and the IGDS Regional Coordinating Office co-hosted the 9th Biennial Lucille Mathurin Mair Public Lecture on Wednesday, April 17, 2019. The lecture, entitled: '*Lucille Mathurin Mair: The Philosophy and Opinions of a Rebel Woman*', was presented by Professor Shepherd, former IGDS University Director and current Director of The UWI's Centre for Reparation Research. Professor Shepherd gave a detailed analysis of Dr Mathurin Mair's life and work, and how it has impacted the

empowerment of women around the world. Funding is being sought to publish the lecture.

- **University Research Days (URD) 2019:** Ms Moore presented a poster from her paper entitled: *Beyond Boom Bye Bye: Contemporary Perspectives on LGBT Jamaica*, and designed and oversaw the interactive booth for the Western Jamaica campus, which depicted scenes from the Zone of Special Operations (ZOSO) in St James. Gender Majors assisted Ms Moore at the booth for the duration of the event. For the first time the Mona Unit was unable to participate in the URD due to staff limitations and work pressure.
- **Public awareness on Gender Based Violence:** Dr Dunn was a panellist in the discussion entitled: *Not Asking For It Campaign*, on Friday, February 8, 2019, in the Multifunction Room, Main Library, hosted by the UWI Guild of Students which was also published in the media. Dr Dunn was also a panellist for an Irvine Hall forum held with students on gender based violence and participated in two radio interviews on sexual harassment on *Beyond the Headlines* an RJR radio programme hosted by Dionne Jackson Miller.
- **The UWI Mona Campus:** The Mona Unit commemorated International Men's Day on November 19, 2018 by hosting a public forum entitled: **The Road to Success: Story of a Positive Male Role Model**. The guest speaker was Dr Ransford Davidson, Business Development and Relationship Manager, Jamaican National Bank. He spoke of personal challenges he overcame to build a successful career in banking and finance. He encouraged those present to aspire and work toward greatness, and to associate with persons who can motivate and encourage them to improve themselves. IGDS UD Professor Opal Palmer Adisa brought greeting from the RCO.
- **The UWI Mona Western Jamaica Campus:** Ms Carla Moore organized two campus events to commemorate IMD 2019: i) A special meeting of the **League of Extraordinary Women** which involved a discussion on gender roles, expectations, interpersonal relationships and opportunities for collaboration between radicalised men and women; and ii) A '**Grounding Circle**' for men from the campus and wider community, which provided a safe space for men to share issues of concern. The discussion, led by Mr. Steffon Campbell, CARIMAC Co-ordinator at WJC, included thoughts on The 'UWI Mans', changing masculinity, men and spirituality, and being educated within a largely female student population. Ms Moore also convened an off-campus event entitled: *Bredrin Sharing Circle* in collaboration with IRITS (monthly event hosted by the Rastafari Indigenous Village).
- **Gender Mainstreaming for The UWI Mona's Gender Action Plan:** Several activities were undertaken in support of The UWI Mona's Gender Action Plan to help mainstream gender on the Mona campus. A report was prepared on the

status of the Mona Gender Task Force and included an update on the current Gender Focal Points from each Department. Templates were provided to support GFPs in Faculties and Departments to assist them in preparing their Gender Action Plans. Over 20 Gender sensitization sessions have been held with Faculty and Academic Boards. During the period under review Dr Dunn presented to Faculty Boards of: Humanities and Education on October 25, 2018, Engineering (FOE) on December 6, 2018, Sport (FOS) on March 26, 2019 and Social Sciences (FSS) on April 4, 2019. Sessions were also held in departments and halls of residence to mainstream gender on the Mona campus. One of the sessions included a gender sensitization session delivered by Dr Dunn at the request of the Director, Office of Students Services and Development, with Guardsman Security Guards held at the Gerald Lalor Hall, on December 11, 2018. Requests from Faculty Gender Focal Points also resulted in Dr Dunn participating in the following events:

- 1) In 2018: i) She was a panellist at The Department of Language, Linguistics and Philosophy's annual UNESCO Philosophy Day public forum, held on November 15, 2018, on child sexual abuse entitled: No Harm – Each Child is the Future, held at The UWI Undercroft. Other panellists were: Senator Floyd Green, Head of CISOCA and Ms Cecille Minott of the UWI's Child Development Centre. On March 19, 2019 she delivered a guest lecture on *Gender Ethics and Sports* for Dr. Sandra McCalla's (FHE) students.
  - ii) The Faculty of Science and Technology (FST) Climate Change Cluster asked the IGDS Mona Unit to design and deliver a session on Gender, Climate Change and Disasters during a week-long training session for Focal Points in Local Government and Municipalities. Mrs. Judith Wedderburn delivered the gender module on behalf of the Unit on July 11, 2018. She also worked with Dr Dunn to revise the module presented for inclusion in a training manual that the FST Climate Change Cluster has produced.
- 2) In 2019 the Faculty of Sport (FOS) and the IGDS MU co-hosted a Symposium on **Gender and Diversity in Sports**, on May 27, 2019 during The UWI Intercampus Games held from May 22–June 1, 2019, at Mona. The panellists were: Mrs. Sarah Newland Martin, Secretary General YMCA, Mr. Davian Meggo, Facilities Management Officer and Gender Studies Major, Dr. Aldeam Facey, Head of Section, Mona Academy of Sport, Mrs. Olivia Rose Esperance, Sport Psychologist, Mona Academy of Sport and Ms. Grace Jackson, Olympic Medallist and Head of Section, St. Augustine Academy.
- **Faculty of Medical Sciences:** There was collaboration to support research and a proposal to address sexual harassment in the FMS.

**PAPERS PRESENTED – MAJOR CONFERENCES/SEMINARS**

- **The African-Caribbean Women's Post Diaspora Network:** Dr Suzanne Scafe and Dr Dunn co-chaired the fourth seminar of the African Caribbean Women (Post) Diaspora project entitled: African /Caribbean Interconnections. The seminar was held at the London South Bank University, London, July 11–13, 2018, where Dr Dunn presented a paper entitled “*Jamaica Cuba Migration: Memorialising Maternal Memories*”.
- **International Association for Feminist Economics (IAFFE):** Dr Dunn attended the annual conference and chaired the meeting of the Labour Market Research Network at the Conference, held June 19–21, 2018 at State University of New York (SUNY), New Platz, USA. The 2018 theme was “Feminist Debates on Migration, Inequalities and Resistance”. The conference provided opportunities for sharing research, networking with scholars and publishers and planning future research projects.
- **IGDS Biennial Conference: Global Feminisms & the Anti-Colonial Project:** Dr Dunn and Mrs. Deadranne Morrison (BSc Major) represented the IGDS, Mona Unit at the Conference held at The UWI, Cave Hill campus, Barbados, November 21–23, 2018, to mark the 25th anniversary of the IGDS. Dr. Dunn presented a paper entitled: *IGDS Pioneer Heads: The Legacy and Lessons of Transformational Leadership*. Mrs. Morrison's paper was entitled: *Critical Engagement with the work of Eudine Barriteau, Patricia Mohammed, Rhoda Reddock*. Mrs. Morrison was supported by the IGDS Mona Unit to attend the Conference.
- **Caribbean Studies Association (CSA) Conference:** Ms. Carla Moore presented two papers entitled “A White People Ting?: ‘LGBT’ as a Colonising Narrative” and “Masculine Sexuality in the Jamaican Dancehall”, at the Conference held in Havana, Cuba, June 4–8, 2018.
- **Beyond Homophobia: Navigating the State:** Ms Carla Moore participated in a roundtable presentation entitled: *Rebellious Praxis: LGBTI+ Organising and navigating citizenship in the Anglophone Caribbean*, at the conference held on January 25–26, 2019, at The UWI, Mona campus. Other presenters included: Dr. Angelique Nixon, IGDS, St. Augustine campus, Nikolai Attai, University of Toronto, Colin Robinson, CAISO TT, and Xaiden Davis, Transwave.
- **2019 Jamaica Teachers' Association's Annual Conference:** Dr. Dunn was the keynote speaker at the 18th Annual Conference of the Jamaica Teachers' Association held April 23–25, 2019 at the Hilton Rose Hall in Montego Bay. Consistent with the Conference theme her presentation was entitled: *Gender and the Teaching Profession: Implications for Teaching and Learning in Jamaica.*
- **ISPCAN Caribbean Conference 2018:** Dr Dunn delivered the keynote address

on December 4, 2018, entitled: *Human Trafficking and Sex Tourism in Jamaica*. The conference was organized and hosted by the International Society for the Prevention of Child Abuse and Neglect (ISPCAN), and Office of the National Rapporteur on Trafficking in Persons (ONRTIP), at the Hilton Resort and Spa, Montego Bay, December 1–5, 2018, under the theme: the Child Protection Realities Within a Changing Caribbean and World. Dr Dunn also presented a *Situational Analysis on Human Trafficking and Sex Tourism* during the ISPCAN Youth Forum held on December 1, 2018 at the Montego Bay Chamber of Commerce.

- **National Task Force Against Trafficking in Persons (NATFATIP) International Conference on Human Trafficking July 25–26 2018:** Dr Dunn presented a paper during the plenary entitled: “*Gender Perspectives on Human Trafficking*” at the first international human trafficking conference held in the Caribbean. The theme was: ‘From Victim to Survivor: The Hard Road To Recovery’. The Conference was held at the Melia Braco Village, Trelawny, and was attended by approximately 120 persons from 6 countries and several international institutions including Interpol.
- **JFLAG PRiDE 2018 Conference:** Ms Moore moderated a panel on ‘*The Intersection of Poverty and Queerness*’ at the JFLAG PRiDE 2018 Conference, and presented a paper on another panel on ‘*LGBT Entrepreneurship*’.

## PUBLICATIONS

The Mona Unit’s staff publication output were as follows:

### Book Chapters

- **Onuora, A.N. and Nangwaya, A. (2019).** Pan-Africanism, Diaspora Identity and 21st Century African Liberation. In Njko Wayne and Francis Adyanga Akena (Eds.), *Historical and Contemporary Pan-Africanism and the Quest for African Renaissance*. (pp. 201–227). Cambridge Scholars Publishing
- **Masculinities and Disasters, Enarson, E and Pease, B. Routledge (2018), Paperback.**

### Journal Articles

- **Harris, O. & Dunn, L., (2018)** ‘I kept it to myself: Young Jamaican Men Who Have Sex With Men’s Experiences with Childhood Sexual Abuse and Sexual Assault’. *Archives of Sexual Behavior*. Manuscript number, ASEB-D-17-00428R2. Springer Journals.
- **Onuora, A.** “Writing Against the Grain: M(othering) and Violence on Sacred Ground” *Canadian Woman Studies/les cahiers de la femme*, (2018); 32.1–2.

- Nangwaya, Ajamu & **Onuora, A.** “Reading Class Struggle and Promoting Class Consciousness through Bob Marley’s Protest Songs” *Caribbean Quarterly: A Journal of Caribbean Culture* (2018) , 64 (02): 307–329.
- Cabrera, G., Diaz, G., **Moore, C.** & Yakas, L. Woke to Weary. In Interrogating the Histories and Futures of “Diversity”, Edited Collection, May 2019 special issue of Public Culture (31–2).

### Technical Reports

Dunn, L, Carr-Tobias, K., & McLymont-Lafayette, I. (2018):

- i. EKACDM Initiative – Final General Gender Training Manual;
- ii. EKACDM Initiative Final Tourism Gender Training Manual 51 pages;
- iii. EKACDM Initiative EKACDM Initiative Final General Gender Training Strategy – 40 pages;
- iv. EKACDM Initiative Final Strategy to integrate gender sensitivity in the Tourism Sector – 32 pages;
- v. EKACDM Initiative: Implementation Plan;
- vi. EKACDM Initiative Final Report of Stakeholders Validation workshop.

The Reports were prepared and published as part of the research project entitled: Enhancing Knowledge and Application of Comprehensive Disaster Management (EKACDM Initiative) Project for The UWI’s Institute for Sustainable Development and the Disaster Risk Reduction Centre.

- **Moore, C.** (2018) The Human Right to Respect Sexual Orientation and Gender Identity in Latin America and the Caribbean for Inter—American Institute of Human Rights (pages 253).

### INCOME GENERATION

The Unit contributed an estimated JA\$18,500,948.7/US\$148,675.06 to the UWI during the reporting period. This was from tuition fees paid by students registered in the BSc Programme in Summer School 2018, semesters I and II AY2018/2019 and contribution from project funds. Tuition fees: Summer School, 32 students registered- JA\$965,160/US\$7,050.113); from Gender Studies Majors, AY2018/2019: JA\$17,185,632 /US\$131,556.19 (est. 80 BSc students: semesters I & II – 48 part-time [JA\$8,140,608 / US\$69,239.754], 32 full-time [JA\$9,045,024/US\$62,316.44. Project Funds: EKACDM- JA\$850,000/ US\$6,506.76; ILO/JEF Project – US\$500/JA\$65,316.70; and sponsorship of Lucille Mathurin Mair Public Lecture JA\$400,000/US\$3,062.



## STAFFING

Academic staff: There were Fourteen (14) staff: three (3) FT: Dr Leith Dunn, Senior Lecturer/Head, one (1) FT Lecturer – Dr Adwoa Onuora, Mrs. Kimberly Carr-Tobias, Research Assistant also served as a PT Lecturer/Tutor in Semester 1. Nine (9) PT Lecturers/Tutors: Mrs Carol Watson-Williams, Dr Karen Carpenter, Mrs Indi McLymont-Lafayette, Mr Jaevion Nelson, Ms Shandy Scott, Dr Pansy Hamilton, Dr Dalea Bean and Dr Shinique Walters (at Mona) and Ms Carla Moore (UWI Mona, WJC).

Administrative and support staff: Ms Ingrid Nicely, Senior Administrative Assistant, and Ms Thalia Ellis, Office Attendant.

*International Recognition:* In May 2019, Dr Dunn was named among the top 100 most influential persons globally in the areas of Gender Policy and Equality for 2019 by Apolitical.com. Dr Dunn was selected from over 9000 nominations, including politicians, civil servants, academics and activists from all over the world. She is the only person from the Caribbean included on this year's Top 100 list. Nominations were considered by a distinguished international panel assembled by the EU-linked NGO called 'Apolitical'. She was selected in the category of Academics, with other categories being in the areas of Government and Politics and Advocacy.

## BOARD/COMMITTEE MEMBERSHIP

- **Dr Dunn:** Academic: Professional organisations included: the International Association for Feminist Economics (IAFFE) and the Caribbean Studies Association (CSA); **Editorial Boards:** the IGDS/Caribbean Review for Gender Studies Journal; The UWI's Journal for Education in the Caribbean (JEIC) and WHO's Medical Education Cooperation with Cuba (MEDICC). Dr Dunn was appointed by UNFPA as a member of the International Steering Committee for planning ICPD@25 to be held in Nairobi from November 12–14 2019.
- **Peer Reviewer** for: CRGS, *Journal of Human Trafficking*, *Journal on Victims and Violence*; *Journal for Communication in Southern Africa* – reviewed several articles AY 2017/2018. **Gender Advisory Committees:** Caribbean Development Bank's Evaluation committee for the CDB's Gender Policy (2018); UNDP's Gender Advisory Committee (2018); GOJ/ Ministry of Entertainment, Gender and Sports – National Gender Advisory Committee for the NPGE ; UWI Mona's Gender Task Force & UWI Mona's Gender Focal Point.
- **Dr Onuora: Peer Reviewer:** Social and Economic Studies, *Caribbean Journal of Education*, Cultural Dynamics; and Global Reggae Conference Proceedings being published by The University of West Indies Press. She also continued as Assistant General Secretary of WIGUT. Gender Board, Mona
- **Ms Carla Moore:** Reviewer of the UN Women Handbook to address violence against women and girls in, and through the media, Caribbean Studies Association.



# INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES, REGIONAL COORDINATING UNIT

Professor Opal Palmer Adisa – University Director



## OVERVIEW

The activities of the Institute for Gender and Development Studies – Regional Coordinating Office (IGDS – RCO) for the 2018/2019 academic year (AY) continued to be guided by the IGDS’ Mission and Vision. The Mission is “To produce and disseminate knowledge to transform gender relations in the Caribbean, in support of The UWI’s mission to enhance regional and international development.” The Vision seeks to ensure that “All UWI graduates are committed to social justice and the promotion of gender-responsive human relations and development.” The RCO’s theme Research, Activism, Community Engagement and Education (RACE) sought to produce and deliver interdisciplinary and multidisciplinary programmes characterized by excellence in: teaching and learning, guided by feminist theories and Gender and Development perspectives, principles and practices; research and publications from a gender perspective that investigate societal issues and challenges; public service, outreach and activism that transform gender relations and promote social justice; and building partnerships and mobilizing resources to facilitate its work.

During the reporting period, the RCO focused on a range of activities geared at advancing its core mandate across the four critical pillars encapsulated in the RACE theme. There were many highlights: the Graduate Seminars organised by Dr Dalea Bean and Brown Bag Seminars organised and chaired by Dr Natasha Mortley provided opportunities for intellectual discourse and engagement around topics of relevance; the RCO successfully collaborated with various partners, including the Inter-American Development Bank (IDB) in convening the international ‘Policy Meeting on Masculinity in the Caribbean’ on April 12, 2019; and the Child Month Forum held on May 21, 2019 was critical in facilitating conversations between students and experts such as Mrs. Diahanne Gordon Harrison, Child’s Advocate of Jamaica and Ms. Maria-Lisa Price, Registration Office, Officer of the Children’s Registry. The successes of the RCO were realised even amid challenges in staffing and finance. This report highlights the work of the RCO in the afore-mentioned areas, as well as staffing, publications, funding and special events.

## WORK OF THE DEPARTMENT

### Teaching and Learning

During the AY, the RCO delivered the following Degrees in Gender and Development Studies: a post Graduate Diploma; an M.Sc. (with Research paper or a three-month internship and report); and MPhil and PhD Degrees. Nine graduate courses were taught by Drs. Dalea Bean and Natasha Mortley and adjunct staff, Dr. Keino Senior, Ms. Joan French, Ms. Judith Wedderburn and Mr. Warren Thompson with support from Prof. Opal Palmer Adisa and Dr. Imani Tafari-Ama. Twenty-two students were registered in the combined Graduate Programme; 15 MPhil/PhD and 7 MSc students.

The Unit presented four students (MSc) at the graduation ceremony held on November 3, 2018.

The RCO supported its students through various graduate and research seminars.

### Research

The RCO continued to be involved in a broad range of research projects, which informs policymaking throughout the Caribbean, as well as extend and contribute to the creation of knowledge. The major research projects undertaken during the AY under review are highlighted below:

- **70 Plus Outstanding UWI Women project:** this is a regional project, which began as part of The UWI's 70th anniversary celebrations and is geared at highlighting the significant contribution of 70 plus women who graduated from the various campuses of The UWI since its inception. An award ceremony and exhibition launch was held on February 14, 2019 at the Regional Headquarters (RHQ) and featured graduates of the Mona Campus. Also, a photo exhibition was mounted at the RHQ from February 14–28, then from March to April, 2019 in the Main Library on the Mona Campus. A similar launch was held on the St. Augustine Campus on December, 2018 and an exhibition was mounted in the Alma Jordon Library from December 2018–April 2019.
- **Jamaica National Commission for UNESCO (JNC-UNESCO) – “Positive Fathering: A Bridge to Enhancing Family Unity and Community Cohesion in Jamaica”** project is a collaboration between the IGDS-RCO and the Bureau of Gender Affairs and is being led by Dr. Natasha Mortley. The project was launched on November 19, 2018 and is expected to be completed by December 2019. Data collection is almost complete and data analysis is now being done. The project has engaged three (3) graduate students who provides research assistance. The project is being undertaken at a cost of USD 20,000.

- **European Union – “A New Jamaican Justice Era: Consolidating Community Access and Alternative Justice for the Protection of All”** is a joint project that is being undertaken by the IGDS-RCO, the Center for Leadership, Department of Government and the Institute of Caribbean Studies. The IGDS’ component is being led by Prof. Opal Palmer Adisa with support from Dr. Imani Tafari-Ama and is aimed at improving Jamaican’s access to justice and the promotion of the ‘the rule of law’ with a view to enhancing the protective environment for women and children. The overall cost of the project is 247,475 euros distributed among the partnering Departments.
- **Cultural Purveyors project** is aimed at documenting the contributions of outstanding Jamaica personalities to the enhancement and protection of diverse aspects of culture. This project is being spearheaded by Prof. Opal Palmer Adisa. For the period under review, interviews were conducted with Honor Ford-Smith, Judith Wedderburn, Joan French, Lorna Goodison, among others.
- **Broadcasting Commission of Jamaica - “Gender and Media: Assessing impacts on Jamaican youth identity, attitudes and behaviours”**: the RCO won the bid for the afore-mentioned project. The research design for this project is currently being revised and the project is expected to begin early 2020 and will be led by Dr. Natasha Mortley.
- **Book launches:** The book, “Jamaican Women and the World Wars: On the Front Lines of Change”, written by Dr. Dalea Bean was launched at the Regional Headquarters on November 12, 2018.
- “Love’s Promise”, written by Prof. Opal Palmer Adisa was launched on the St. Augustine Campus on June 11, 2019. *The Interviewing the Caribbean Journal*, which is edited by Prof. Adisa was also launched during that event.

## OUTREACH

The RCO was involved in various outreach activities for the year under review. These included:

- A workshop, titled **Building Self Esteem** held at the Elsie Bemand Home for Girls on October 27, 2018. The workshop was conducted by Prof. Opal Palmer Adisa
- **A Positive Male Role Models Art Exhibition** was mounted at the RHQ from November 5–November 24, 2018 in commemoration of International Men’s Day (IMD). The curators were Prof. Opal Palmer Adisa and Dr. Keino Senior.
- **The Art and Ananse Come to UWI storytelling festival** was held on November 19, 2019 and included the *Positive Male Role Models* art exhibition launch and a storytelling festival, which featured both local and international storytellers. The

storytelling component was in collaboration with Dr. Amina Blackwood-Meeks and Ntukama productions.

- **The 16 Days of Activism Against Gender-Based Violence campaign** was observed from November 12, 2018, International Day for the Elimination of Gender-Based Violence (IDEVAW) to December 10, 2018, International Human Rights Day with several activities including: visits to four high schools, Wolmer's Trust High School for Girls, St. George's College, Excelsior and Charlie Smith High Schools in which the RCO staff participated in morning devotions and in the case of the Wolmer's High School for Girls, there was an hour-long session led by Dr Dalea Bean with presentations by Dr Natasha Mortley and Ms Rachel Nagy on gender based violence (GBV); daily posts on social media; and a lunch-time event at the RHQ, moderated by Dr. Bean with focus on engaging men in the fight against violence women.
- The Brown Bag series, a year-long series of lunchtime seminars on current and topical gender issues was organized and moderated by Dr. Natasha Mortley. The first Brown Bag, **Hear me too: Relevance of the Me Too movement in Jamaica** was held on December 5, 2018 as part of the IDEVAW activities. A Brown Bag, **Balance for Better: Abortion and Life Choices for Women in Jamaica** was held on March 28, 2019. The panellists included Ms. Joan French, Ms. Shakira Maxwell, Ms. Shenoweth Holmes and Stacy-Ann Gavin.
- **International Women's Day (IWD) 2019** was observed with the mounting of a card in the lobby of the RHQ building and a lunchtime event was held on March 12, 2019 to honour women who work at the RHQ. The event was moderated by Dr. Imani Tafari-Ama and included performances by poet, A-dziko Simba Gegele and dancer, Tara Pryce.
- A **Child Month Forum** was held on May 21, 2019 under the Child Month's theme 'Encourage, Enable, Include ME!.' Two high schools participated, the Calabar and the Haile Sellassie High schools. Mrs. Diahanne Gordon Harrison, Child's Advocate of Jamaica, Office of the Children's Advocate and Ms. Maria-Lisa Price, Registration Officer, Child Protection and Family Services were the feature speakers. Entertainment was provided by Ms Cherry Natural.
- A '**Policy Meeting on Masculinity in the Caribbean**' hosted by The Inter-American Development Bank (IDB) in collaboration with the RCO was convened on April 12, 2019 at the RHQ. This conference brought together participants from eight Caribbean countries, as well from outside the region. Prof. Opal Palmer Adisa, Drs Natasha Mortley and Imani Tafari-Ama presented at this event.
- **The inaugural lecture by the Most Honourable Portia Simpson Miller**, Honorary Distinguished Fellow attached to the IGDS was held on April 25, 2019 at the RHQ. Mrs Simpson Miller spoke on the topic "Gender Justice & Equity in a

Post-Colonial Society: A Critique of the Ideology of Pulling Ourselves up by our own Bootstraps.” Dr. Natasha Mortley was the chairperson.

- The IGDS – Mona Campus Unit and the RCO collaborated in hosting the **9th Biennial Lucille Mathurin Mair Public Lecture** on April 17, 2019. The lecture “Lucille Mathurin Mair: The Opinions and Philosophy of a Rebel Woman” was delivered by Prof. Verene Shepherd.

## OTHER

- **The UWI Gender Policy:** during the AY, several meetings were convened with the Gender Mainstreaming Committee (GMC), which is responsible for implementing The UWI Gender Policy. The GMC is being chaired by Prof. Opal Palmer Adisa.

## PAPERS PRESENTED

- **Prof. Opal Palmer Adisa.** “Positive Masculinity”. UNESCO/British Council - Boys for Education Week. April 29, 2019. Kingston Conference Centre. (8 slides)
- **Prof. Opal Palmer Adisa.** “Masculinities and Gender Equality: A Nordic-Caribbean Contribution to Sustainable Development”. Seminar in Mozambique, February 25–27, 2019. (15 slides)
- **Prof. Opal Palmer Adisa.** Framind Deire: “A Woman’s Self-fulfilment or Seducing the Man. Reggae Innovation and Sound System Culture II”. 6th Global Reggae Conference, February 13–16, 2019.
- **Prof. Opal Palmer Adisa.** “Masculinity Trying to find its Manhood: The “Crisis” of the Jamaican male”. Inter-American Development Bank Round Table discussion in Washington on November 26, 2018. (20 slides)
- **Prof. Opal Palmer Adisa.** “The “Boy Problem” in the Caribbean”. Inter-American Development Bank, Washington D.C, (Round Table Discussion on Masculinity, Risky Behaviour and Violence in the Caribbean), November 26, 2018.
- **Prof. Opal Palmer Adisa.** “Strengthening the framework for gender equality and the empowerment of all girls”. Women in Maritime Association Conference (WiMAC). Belize, October 16–19, 2018. (26 slides)
- **Dr Dalea Bean** “Jamaica and World War 1: The Great War and a Small Island”. Jamaica Heritage Trust Lecture Series, Up Park Camp and Northern Caribbean University, October 9 and 11, 2018. (25 slides)
- **Dr. Dalea Bean & A. Clarke.** “The Silence is Deafening: A Preliminary assessment of Deaf Women’s experience of GBV”. Global Feminisms and Anti-Colonial Project, November 21–23, 2018. (13 slides)

- **Dr Dalea Bean.** “Women and War: History’s Unlikely Bedfellows.” Presentation at the Jamaica Defence Force Study Day on Gender Optimisation. April 13, 2019. (16 slides)
- **Dr Dalea Bean.** “Race, War and Service: Jamaican Women’s Contestation of Blackness during Service in the ATS in World War II”. Association of Black Sociologists Conference August 8–10, 2019. (7 pages)
- **Dr Dalea Bean.** “Understanding Intimate Partner Violence”. Presentation at the Jamaica Defence Force Gender Focal Point Training by the Bureau of Gender Affairs August 22, 2019. (12 slides)
- **Dr. Imani Tafari-Ama.** “Psychological Harm: Lingering Legacies of Enslavement and Colonialism among people of African descent”. Centre for Reparations Research. June 4, 2019. Panellist
- **Dr. Imani Tafari-Ama.** “Representing Africa: Identity and the Exhibitionary Complex” in celebration of International Museums Day. Liberty Hall. May 17, 2019. Panellist
- **Dr. Imani Tafari-Ama.** “Reflections on Rum, Sweat and Tears,” at the launch of the “Kolonial” reader, November 1, 2018 (14 slides)
- **Dr. Imani Tafari-Ama.** “Rum, Colonial Heritage and Transitional Justice.” Global Summit of Research Museums November 4–6, 2018.
- **Dr. Imani Tafari-Ama.** “Skeletons in the Closet: Curating the Colonial History of Flensburg, Germany’s ‘Rum City’.” Decolonising the Museum: Transnational Comparisons, held in Washington, Nov 9–10, 2018
- **Dr. Imani Tafari-Ama.** “Decolonising the Museum”. First International Summit of Research Museums, Berlin, Germany, November 4–6, 2018.
- **Dr. Imani Tafari-Ama.** “Caribbean Feminism: From a Jamaican Perspective” July 29, 2019 at the CEDAW South to South Institute, Trinidad and Tobago, July 22–August 2, 2019. Panellist.
- **Dr. Natasha Mortley.** “Engaging Men for Reducing Gender-Based Violence”. IDB Caribbean Masculinities Policy Meeting, 12th April 2019. Panellist.
- **Dr. Natasha Mortley & Keino Senior.** “Interrogating Michel Foucault’s history of sexuality: Jamaican realities of masculinities and sexualities”. Global Feminisms and Anti-Colonial Project, November 21–23, 2018. (21 pages)
- **Dr. Natasha Mortley.** “Caribbean Migration Consultations. International Organization for Migration”. Montego Bay, Jamaica, 24 to 26 September 2018. Presenter.

## PUBLICATIONS

### Books & Monographs

- **Opal Palmer Adisa.** *Dance Quadrille, Play Quelbe*. Pulmeria, 2018.

### Book Chapter

- **Imani Tafari-Ama.** “Rum, Sweat and Tears: Denmark’s Colonial History in Flensburg, Ghana and the Virgin islands of the United States”, in *Kolonial: A Reader*, Danish Library, Flensburg, 2018.

### Refereed Journal articles

- **Bronty Liverpool-Williams.** “Calvert Jones: An Appreciation of Caribbean Life: An Interview with Bronty Liverpool-Williams”, *Interviewing the Caribbean*, 4 (1), 2018: 62–71.
- **Dalea Bean** with Goldthree, R (2018) “Writing New Histories of War and Women’s Activism in Jamaica: An Interview”, *Caribbean Review of Gender Studies*, 12: 345–362
- **Natasha Mortley** and Baldwin, A. “Caribbean women and reparatory justice: Reclaiming, rebuilding and restoring communities through migration”. *International Journal of Africana Studies*. 2019. (17 pages)
- **Natasha Mortley.** “More than dollars and cents: Leveraging the multiple roles of Caribbean migrant women within the Diaspora for sustainable development”. *Caribbean Review of Gender Studies: A Journal of Caribbean Perspectives on Gender and Feminisms*, Issue 13, June 2019: 69–92.
- **Opal Palmer Adisa.** “Eudine Barriteau: Gender Champion and Top Administrator”. *Interviewing the Caribbean*, 2019: 16–25
- **Opal Palmer Adisa.** “Shallon Fadlien: Comfortable In My Skin: An Interview with Opal Palmer Adisa”. *Interviewing the Caribbean*, 4 (1), 2018: 32–39
- **Opal Palmer Adisa.** Edward Baugh: Memories Define Me: An Interview with Opal Palmer Adisa”. *Interviewing the Caribbean*, 4 (1), 2018: 40–62
- **Opal Palmer Adisa.** “Brian Copeland: Creative and Commercial Engineering: An Interview with Opal Palmer Adisa. *Interviewing the Caribbean*, 4 (1), 2018: 128–141

### Non-refereed and Technical reports

- **Natasha Mortley.** “Positive Fathering: A Bridge to enhancing family unity and community cohesion in Jamaica”. Inception report. UNESCO. 28th February 2019.
- **Natasha Mortley.** Positively male: Leveraging Jamaican masculinities for effective



role modelling. All Woman, *Jamaica Observer*. November 19, 2018. (23 pages)

- **Natasha Mortley.** Balance for better: Abortion and life choices of women in Jamaica. Feature for *Caribbean Studies Association Newsletter*, June 2019.

## INCOME GENERATION

For the AY under review, the RCO continued to make fundraising for Project Research and Student Development a priority. The Office generated JMD 1,420,499.25 from the MSc self-financing programme. The following projects came on stream during the year under review:

- Jamaica National Commission for UNESCO (JNC- UNESCO) -“Positive Fathering: A Bridge to Enhancing Family Unity and Community Cohesion in Jamaica”- USD 20,000.
- European Union – “A New Jamaican Justice Era: Consolidating Community Access and Alternative Justice for the Protection of All”. The RCO will receive 40,236 euros to administer its portion of the project.
- Collectively, 150,000 JMD was realized in sponsorship from Neal and Massy and Imara Medical Centre for the 16 Days of Activism Against Gender Based Violence activities and the Child Month Forum respectively.

## PUBLIC SERVICE

### Professor Opal Palmer Adisa

- Editor, *Interviewing the Caribbean*. Published Caribbean Femininity + Masculinity = Gender Justice Pt. 1 (80 pages), January 2019
- Justice, Volume 4 part 2,” An online journal, 156 pages, Spring 2019
- Justice, Volume 4 part 1” An online journal, 157 pages, Winter 2018
- Member of the Board of the Association of Caribbean Women Writers and Scholars (ACWWS)
- Judge for Scholastic Arts and Writing Awards, New York
- Judge for Sexual Assault Awareness Month Poetry contest, Women’s Coalition of St. Croix, US Virgin Islands

### Dr. Dalea Bean

- Member of the Kiwanis Club of Young Professionals, Kingston
- Peer Reviewer, *Caribbean Quarterly*

### Dr. Imani Tafari-Ama

- Member, Fellow-Me Academy of International Curators



**Dr. Natasha Mortley**

- Peer Reviewer: *Social and Economic Studies: A Journal of Social Sciences* (UWI)
- Peer Reviewer: *Caribbean Review of Gender Studies*
- Peer Reviewer: *Caribbean Perspectives on Criminology and Criminal Justice*
- Resident Advisor to the St. Lucian Students Association at The UWI, Mona Campus
- Member: Research and Planning Sub-Committee, United Way Jamaica
- Member: The African-Caribbean Women's Mobility and Self-fashioning in Post-diaspora Contexts Network.
- Member: Migration and Development Cluster, SALISES UWI, Mona Campus
- Gender Representative: Technical Committee for "Enhancing Knowledge and Application of Comprehensive Disaster Management (EKACDM) Initiative." UWI, Mona Jamaica.
- Expert Advisor to the OECS Secretariat on the Programme of Research for Engaging the Diaspora for Development in the OECS
- Member: Observatory on African, Caribbean and Pacific (ACP) Migration.
- Member: Commonwealth Scholars Alumni Association, St. Lucia and Jamaica chapters.

**STUDENTS**

Dr. Jacqueline Coore-Hall, who graduated in 2018 with a PhD, high commendation was one of four students who received the award for Most Outstanding Thesis from the Mona Research and Publications and Graduate Awards Committee in collaboration with the Office of Graduate Studies and Research. Dr. Coore-Hall was supervised by Prof. Verene Shepherd and Dr. Tracy Ann Johnson Myers. The RCO received the award for Outstanding Performance in the Development of Research Students 2016/2017.

Ms. Ruth Howard, a student enrolled in the MSc programme became the first recipient of the Catherine James Scholarship. The scholarship was named in honour of the mother of Professor Opal Palmer Adisa and the official hand-over took place on January 21, 2019. The scholarship is expected to be offered annually.

**CONCLUSION**

There were many challenges during the AY, however, the commitment of staff to the fulfilment of the Mission and Vision of the IGDS was central to successes in teaching and learning, research, publication and activism in keeping with the Vice-Chancellor's Triple A Strategy.



## INTERNATIONAL CENTRE FOR ENVIRONMENTAL AND NUCLEAR SCIENCES (ICENS)

**Charles Grant, MSc, University of Surrey – Director General**

The period 2018/2019 saw the International Centre for Environmental and Nuclear Sciences (ICENS) make great strides in bringing a multi-purpose irradiator to Jamaica, with greater engagement from stakeholders, particularly those invested in the sterile insect technique and the reduction of mosquito-borne diseases. There was also the completion of several projects and the consolidation of the ICENS' involvement in several regional, interregional, national and international projects. A successful project proposal also saw an addition to the number of projects under the Centre's portfolio. Underpinning these activities, was the gradual upgrading of infrastructure and continuous training activities to increase the capacity of the ICENS to meet its mandate through the sustainable development goals that are imbedded in its corporate plan and to use these tools, not only to aid in the socio-economic development of the country but to strengthen regional capacity.

### IAEA INTERREGIONAL PROJECT

The interregional project “Applying Nuclear Science and Technology in Small Island Developing States in Support of the Sustainable Development Goals and the SAMOA Pathway” (INT0093) aims at supporting the human and institutional capacity of SIDS in key areas, such as human health, nutrition, food, agriculture, water management, marine environment, as well as safety and security through knowledge and experience-sharing among SIDS. This entails enhancing capabilities in selected interregional resource centres and promoting the cooperation among SIDS. Establishing cooperation among SIDS fulfils the Sustainable Development Goal (SDG) 17, as global partnerships for sustainable development are being created. The interregional project operationalizes the document “Rationale for an inter-regional project 2019–2023 for Small Island Developing States” as a complement to existing technical cooperation (TC), national, regional and interregional programmes. The Director General serves as the project lead. Several activities have occurred under the project during the review period including:

- The Interregional Open-Ended Meeting on the Code of Conduct on the Safety and Security of Radioactive Sources in Small Island Developing States: New Guidance of Management of Disused Sources and Regulatory Infrastructure held from August 13th to 17th, 2018.
- The Coordination Meeting and Workshop on the Use of Nuclear Techniques in the Marine Environment held from November 5th to 9th, 2018 in Cienfuegos, Cuba.
- First Coordination Meeting on Nutrition Projects Using Nuclear Techniques in SIDS held from December 10th to 14th, 2018 in Vienna, Austria.

### **IAEA REGIONAL PROJECTS**

As participant in the IAEA Regional Project – ARCAL CLIV: “Assessing Atmospheric Aerosol Components in Urban Areas to Improve Air Pollution and Climate Change Management” (RLA7023), Mr. Johann Antoine participated in the Regional Training Course on Method Validation and Quality Assurance of Airborne Particulate Matter Analysis using Nuclear Analytical Techniques to be held from October 18th to 26th, 2018 in San Jose, Costa Rica. Under the project ICENS also received a Tisch® Environmental TE-6070BL high volume ambient PM<sub>10</sub> air sampler with PM<sub>2.5</sub> inlet and a Sven Leckel GMBH low volume PM<sub>2.5</sub> air sampler. These samplers were deployed temporarily on the UWI Mona Campus and various stages during the review period and will be permanently deployed for the duration of the project going forward. Mr. Johann Antoine is now counterpart for this project.

Under the Regional Project RLA9081: “Strengthening Cradle-to-Grave Control of Radioactive Sources” an Atomtex AT6101C Spectrometric Backpack Radiation detection system was acquired under the period of review. The national training course, “National Workshop on Orphan Source Search Training under the TC regional Project RLA9081” held at ICENS from December 3rd to 6th, 2018. Participants from ICENS, the Hazardous Substances Regulatory Authority (HSRA), the Jamaica Customs Agency, the National Solid Waste Management Authority and the Office of Disaster Management and Emergency Management were present. Experts representing the IAEA lectured to the meeting on various strategies on how to search for sources particularly with incomplete inventories. There was also a practical exercise to familiarise participants with equipment and how to use them to find, identify, recover and transport sources. Desktop exercises and calculations were also carried out by the participants to categorise sources.

An IAEA expert mission was also conducted for training on Orphan Source Recovery in Georgetown, Guyana from March 25–28, 2019. Mr. Ronmccrea Cushnie participated in this expert mission. The project is effectively closed with the final project meeting to be held at the end of the calendar year 2019 where it is expected that a spin-off project will be initiated.

The ICENS participation in the regional project RLA1012, “Developing a Capacity Building Programme to Ensure Sustainable Operation of Nuclear Research Reactors through Personnel Training (ARCAL CLI)” continued with the participation of Mr. Oshane Hamilton and Mr. Haile Dennis in the Regional Training Course on Operation and Maintenance of Research Reactors based upon the “Research Reactors” Module from the RLA1012 Project Training Material on Reactor Theory, Research Reactors and Operation and Safety of Research Reactors held in Santiago, Chile from October 22nd to 26th, 2018. The nominal date for the end of the project was December 2018 although the final research coordination meeting was held at the Instituto Nacional de Investigaciones Nucleares (ININ) in Toluca Mexico from February 11–15, 2019, attended by Mr. Dennis who was the local project coordinator.

The Director General of the ICENS, Mr. Charles Grant is the counterpart for the regional project, RLA0059, “Strengthening Regional Cooperation ARCAL CLXII.” The objective of this regional programme is to enhance regional cooperation by establishing mechanisms aimed at strengthening technical cooperation among developing countries and the regional programming for Latin America and the Caribbean. It is aimed mainly at following the planning and monitoring of the ARCAL regional programme and promoting communication and partnership between the State parties to the Agreement for the Promotion of Nuclear Science and Technology in Latin America and the Caribbean (ARCAL). A meeting, the Development of the Regional Strategic Profile for IAEA Technical Cooperation with the Caribbean, was held from November 26th to 30th, 2018 in Vienna, Austria.

## **IAEA NATIONAL PROJECTS**

The International Centre for Environmental and Nuclear Sciences (ICENS) made significant progress during the review period in its effort to install a multi-purpose gamma irradiator facility on its premises in 2020. The project concept, JAM2018004 -Establishing a Self-Contained Gamma Irradiation Facility for the Introduction of Sterile Insect Technique and Experimental Mutagenesis and Diagnostic Technologies – went through various requisite development stages, including the submission of the project design to the section head of the IAEA Technical Cooperation Section, the forwarding of the project design to the National Liaison Officer and the review and development of the project design by the IAEA Programme Management Officer (PMO) at the latter part of 2018. At the start of 2019, the Field of Activity Focal Point (FoA-FP) conducted the first technical review and feedback was sent to the PMO who reopened the project design to the team. After a second round of reviews by the PMO and FoA-FP a safety review was conducted by the Nuclear Safety Section in June. The project design quality was ensured and closed by the PMO. The project design, having passed all approvals by the IAEA only awaits the final approval by the IAEA Board of Governors. The progress of the project remains on pace for the

irradiation facility to be commissioned in the latter part of the calendar year 2020. Concurrently, ICENS is also an involved stakeholder in the development of The Nuclear Safety and Radiation Protection Regulations. These regulations will impact the progress of the project and the eventual installation, commissioning and operation of the multi-purpose gamma irradiator.

Under the national project JAM1001 “Upgrading the Research Reactor Infrastructure at the University of the West Indies Slowpoke Facility” ICENS received several pieces of equipment that would enhance the ability of the Centre to safely operate the reactor while contributing to the mandate of supporting the socio-economic development of Jamaica through research utilizing nuclear sciences in environmental geochemistry, health, the safety of Jamaican foodstuffs, environmental protection and the development of natural and human resources. These included a Berthold Technologies Hand and Foot Contamination Monitor LB, an Ortec HPGe Detector System with Peltier cooling to increase the capacity to analyse environmental samples and a new Thermoluminescent Dosimetry (TLD) reader for the reintroduction of extremity and whole body measurements.

### **IAEA COORDINATED RESEARCH PROJECTS**

The International Centre for Environmental and Nuclear Sciences (ICENS) was involved in three coordinated research projects (CRP) during the reporting period.

ICENS commenced participation in new coordinated research activities with the acceptance of the project proposal, “Use of Nuclear Analytical and related techniques for authentication of High-Value Jamaican Commodities” to join the CRP D52042, “Use of Nuclear Analytical and related techniques for authentication of High-Value Jamaican Commodities.” Other countries participating in the CRP include China, Costa Rica, Denmark, India, Indonesia, Italy, Japan, Malaysia, Morocco, Myanmar, New Zealand, Slovenia, Spain, Thailand and Uruguay. The first research coordination meeting was held in Vienna from May 1–17, 2019. Ms. Leslie Hoo Fung is the chief scientific investigator. Ms. Hoo Fung was interviewed for the IAEA’s press and communication services for ICENS’ and Jamaica’s participation and also featured in the Jamaica Observer.

<https://www.iaea.org/newscenter/pressreleases/iaea-launches-project-to-help-countries-fight-food-fraud>

[http://www.jamaicaobserver.com/latestnews/Jamaica\\_only\\_Cbean\\_country\\_in\\_IAEA\\_project\\_fighting\\_food\\_fraud](http://www.jamaicaobserver.com/latestnews/Jamaica_only_Cbean_country_in_IAEA_project_fighting_food_fraud)

As part of the project she will also attend the IAEA Training course on the use of Stable Isotope Techniques to determine food origin and verify food authenticity. Seibersdorf, Austria. A first tranche of €7,000 was received prior to the first research coordination meeting.

The second research coordination meeting for the coordinated research project F11021, “Enhancing Nuclear Analytical Techniques to Meet the Needs of Forensic Science” was held in Vienna from April 8–12, 2019. Mr. Johann Antoine is the chief scientific investigator for the project. The status report for the project was submitted prior to the meeting and a consequent presentation on the progress and accomplishments to date made. Based on the presentations of other investigators opportunities were discussed for collaborative work with other counterparts and there has been a subsequent exchange and receipt of food and pharmaceutical samples. The meeting participants were also given the opportunity to review e-learning modules related to forensic science including, “The Application of Neutron Analysis to Forensic Sciences” authored by Mr. Antoine. The module has been reviewed and is now fully available. The second tranche of funding of €5,000 was received from the IAEA following the meeting. A collaborative effort between CARITOX, the Masters of Science programme in Forensic Science and ICENS through CRP F11021, has meant sampling of Cannabis samples for the fulfillment of the thesis portion for M.Sc. student Mr. Corey Roberts.

The coordinated research project J02006, “Enhancing the Effectiveness of Nuclear Security at Research Reactor and Associated Facilities” was initially scheduled for completion in 2018. The scope of the project was however expanded based on the request of the participating countries; Jamaica, the USA, Pakistan, Syria, Malaysia, Greece and Ghana. A contract extension was granted and the project is now slated for completion in 2020. ICENS is participating in 2 of 5 project tasks, one of which the Centre is the lead organization (task 5). The final report for this task is in the advanced stages of review and will be published as an IAEA TECDOC®. The ICENS is also a participant for the “Assessment methodologies for open source tools used to assess physical security installations.” Mr. Ronmccrea Cushnie is the principal investigator for CRP J02006.

## **NATIONAL TRANSPORTATION AND ENERGY POLICY**

The ICENS, in collaboration with the UWI’s Faculty of Science and Technology, the Ministry of Transport and Mining and the Ministry of Energy hosted the one day seminar “Energy Challenges, Nuclear Technology, Safety and Regulation in the Caribbean” on March 27th, 2019. The seminar addressed global energy challenges, specifically in the Caribbean, as well as safety in the region’s maritime transport sector. The meeting was attended by nuclear industry representatives from the UK, France and Japan, as well as speakers from the UWI’s Faculty of Science and Technology, Faculty of Law, the Ministry of Transport and Mining, the Ministry of Energy, CARICOM, the Caribbean Disaster Emergency Management Agency (CDEMA) and the Panama Canal Authority. The seminar provided a forum for discussion and informing the public on regional and global energy issues whilst showcasing UWI’s research on climate change and promoting the peaceful uses of nuclear energy.

**HAZARDOUS LABORATORY WASTE AD-HOC COMMITTEE**

The work of the Hazardous Laboratory Waste Clean-Up Ad-Hoc Committee (HALWAC) continued with student interns concluding the qualitative characterization of unknowns in August 2018, following which the findings and recommendations were compiled in a technical report delivered to the National Commission on Science and Technology (NCST) under the auspices of the Ministry of Science, Energy and Technology (MSET). Following the pilot incineration exercise, a disposal schedule was arranged with the Caribbean Cement Company for the incineration of the bulk of non-halogenated liquid organic wastes residing in public sector facilities. To date approximately 8000 L has been disposed of. Mr. Charles Grant is the Chair of the HALWAC, Ms Leslie Hoo Fung of ICENS and Dr. Roy Porter of the Department of Chemistry, UWI Mona, are technical advisors.

**TOXIC SITES IDENTIFICATION PROGRAM (TSIP)/PURE EARTH**

The Toxic Sites Identification Program (TSIP) effectively concluded after the database was populated with results on metal analysis of potentially contaminated sites obtained using instrumental neutron activation analysis (INAA) and portable energy-dispersive X-ray fluorescence (EDXRF). Continued collaboration between the ICENS, the Department of Physics, UWI Mona and the Ministry of Economic Growth and Job Creation resulted in an extension of the project including further site visits. During the review period paints were purchased for analysis of lead (Pb) content as well as sampling of local and imported Dutch pots and ladles to determine the potential for leaching of toxic metals into the food that is prepared and cooked in these utensils. The results for the paint was reported to the Ministry in the latter part of 2018 and work continued on the Dutch pots. In 2019, the project was shifted from the auspices of the Ministry of Economic Growth and Job Creation to the National Environment and Planning Agency (NEPA). The project has subsequently been closed, although the collaboration between the Department of Physics and the ICENS will continue the assessment of work on the Dutch pots.

**INTER-GOVERNMENTAL PANEL ON CLIMATE CHANGE, CARBON BIOGEOCHEMISTRY PROJECTS**

As part of his continued work on the Intergovernmental Panel on Climate Change (IPCC) Dr. Adrian Spence attended the Fourth Lead Author Meeting – IPCC Special Report on Climate Change and Land. International Center for Tropical Agriculture (CIAT), Cali, Columbia, February 11–15, 2019 and the First Lead Author Meeting – IPCC Sixth Assessment Report. University of Edinburgh, Edinburgh, Scotland, April 1–5, 2019.



He has also continued his work as technical Advisor to the Resilient Islands by Design Project: Integrating Ecosystem- and community-based Approaches to Enhance Climate Change in the Caribbean project in Jamaica. Implementing partners: The Nature Conservancy (TNC) and the International Federation of the Red Cross and Red Crescent Societies (IFRC); and also as a consultant scientist to the Agrobiodiversity, Indigenous Knowledge and Protected Area Management in the Rio Grande Valley, Jamaica and KwaZulu-Natal, South Africa and the World Bank's Program on Forests (PROFOR): Assessing ecosystem services provided by mangroves, Jamaica.

## PUBLICATIONS

### Special reports

- Nabuurs, G-J., Mrabet, R., Hateb, A.A., Bustamonte, M., Clark, H., Fobissi, K., Havlik, P., House, J., Mbow, C., Ninan, K., Popp, A., Sohngen, B., **Spence, A.**, Towprayoon, S. (2019) Agriculture, Forestry and Other Land Uses. In: IPCC 6th Assessment Report – *First Order Draft*.
- Arneth, A., Denton, F., Agus, F., Elbehri, A., Erb, K., Osmani Elasha, B., Rahimi, M., **Spence, A.**, Valentini, R. (2019) Framing and Context. In: *Climate change and land*. An IPCC Special Report on climate change, desertification, land degradation, sustainable land management, food security and greenhouse gas fluxes in terrestrial ecosystems. Cambridge University Press, New York.

### E-Modules and Electronic Publications

- **Antoine, J.M.R.** The Application of Neutron Activation Analysis (NAA) to Forensic Sciences. IAEA Learning management System. Nuclear Analytical Techniques for Forensic Science. <https://elearning.iaea.org/m2/mod/scorm/player.php>
- **Antoine, J.M.R.** Fingerprinting Food: Using Neutron Activation Analysis for Provenance studies. Case Studies: Neutron Case Studies. IAEA Accelerator Knowledge Portal. <https://nucleus.iaea.org/sites/accelerators/CaseStudies/SitePages/Home.aspx>

### Conference Publications

- **Grant, C.N., Antoine, J.M.R.** “Neutron activation analysis in forensic science in Jamaica: The Coral Springs beach theft, Nuclear Analytical Techniques in Forensic Science, 62nd IAEA General Conference Side Event, Vienna, Austria, September 18, 2018
- **Antoine, J.M.R.** Neutron Activation Analysis and associated techniques in Jamaican Forensic Investigations – Autopsy Tissue and Cannabis Profiling, Joint ICTP-IAEA Advanced Workshop on Enhancing Accelerator-Based Analytical Techniques for Forensic Science (smr 3291).



**Technical reports**

- **Hoo Fung, L.A.** *Hazardous Laboratory Waste Clean-Up Ad-Hoc Committee (HALWAC) Pilot Exercise: Qualitative Analysis of Unknown Chemicals in Public Sector Laboratories*. International Centre for Environmental and Nuclear Sciences, September 2018.
- **Antoine, J.M.R.** “Provenance Studies of Food and Environmental Samples by Neutron Activation Analysis and related techniques,” CRP F11021, Enhancing Nuclear Analytical Techniques to Meet the Needs of Forensic Science, First Annual Progress Report, November 23, 2018.
- Mandal, A., Smith, R.-A., Edwards, T., Kinlocke, R., Mitchell, S., Trench, C., Webber, M., Francis, P., **Spence, A.**, Sharma, A. (2019). Assessment and economic valuation of coastal protection services provided by mangroves in Jamaica (P14696), Final Report.
- Mandal, A., Smith, R.-A., Edwards, T., Kinlocke, R., Mitchell, S., Trench, C., Webber, M., Francis, P., **Spence, A.** (2019). Mangroves monitoring and evaluation manual Jamaica.

**INVITED LECTURES/PRESENTATIONS**

- **Spence, A.** Land-climate-human interactions. Department of Geography and Geology, The University of the West Indies, Mona, September 20, 2018.
- **Spence, A.** Capacity building workshop for World Bank’s PROFOR project: Assessment and economic valuation of coastal protection services provided by mangroves in Jamaica, Kingston, Jamaica, October 1–3, 2018.
- **Spence, A.** Effects of, and response options to regional soil pollution. World Soil Day Symposium – Be the solution to soil pollution, College of Agriculture Science and Education, Portland Jamaica, December 5, 2018.
- **Antoine, J.M.R. & Grant, C.N.** The Sterile Insect Technique as a tool for controlling *Aedes Aegypti*. Faculty of Science and Technology Public Lecture Series: Minimizing Mosquito Mayhem-Science and Solutions, UWI Mona, February 28th, 2019.

**PUBLIC SERVICE****Mr. Johann Antoine**

- Chair, National Mirror Committee/ISO TC/93 Starch-including derivatives and by-products (Bureau of Standards Jamaica) 2011–2018; Vice-chair, Chair, National Mirror Committee/ISO TC/93 Starch-including derivatives and by-products (Bureau of Standards Jamaica) 2019 to present.

**Mr. Charles Grant**

- Member of National Bioethics Committee
- ARCAL National Coordinator (Jamaica), and member of the ARCAL
- Technical Coordination Board (OCTA which oversees all ARCAL Projects)
- Member, Ministry of Energy Committee on Nuclear Energy as an option for Jamaica
- Member, NEPA/UNDP Committee for renewable wave energy technologies for the generation of electric power in small coastal communities in Jamaica
- National Coordinator for Incident Reporting system for Research Reactors
- National Coordinator, IAEA Radiation Safety Information Management System; (RASIMS)
- Chair, Hazardous Laboratory Waste Ad-Hoc Committee (Ministry of Science, Energy and Technology/ National Commission on Science and Technology)
- Member, National Bioethics Committee
- Fellow, Institute of Physics.

**Ms. Leslie Hoo Fung**

- Chair, National Food Standards Committee (ISO TC34 Mirror committee, convened by the Bureau of Standards, Jamaica)
- ISO/IEC 17025 Assessor, Jamaica National Agency For Accreditation
- Member, Codex Committee on Methods of Analysis and Sampling (subcommittee, Jamaica)
- Member/ Technical Advisor, Hazardous and Laboratory Waste Ad-Hoc Committee (HALWAC) – Treatment, Disposal and Laboratory Guidelines Subcommittee, National Commission on Science and Technology/Ministry of Science, Energy and Technology, Jamaica
- Member, Board of Studies, School of Science, Technology, Engineering & Mathematics (STEM), Excelsior Community College, Kingston, Jamaica
- Royal Society of Chemistry, May 2012–present
- AOAC International, April 2016–present.

**Mrs. Sandra Hunter**

- Fellow of the Institute of Chartered Accountants, Jamaica.

**Mr. John Preston**

- Member, Land Information Council of Jamaica
- Independent Member, GOJ Telecommunications Appeals Tribunal.

**Dr. Adrian Spence**

- Member of the Geochemical Society
- Member of the American Chemical Society
- Member of the Royal Society of Chemistry
- Chemistry Ambassador and Co-advisor, American Chemical Society (ACS) Student Chapter, UWI.



## MONA AGEING AND WELLNESS CENTRE

Professor Denise Eldemire-Shearer – Head

### WORK OF MONA AGEING AND WELLNESS CENTRE

The Mona Ageing and Wellness Centre (MAWC) continues its multi-disciplinary approach to improving the health and well-being of the older adult population nationally and regionally through innovative ageing-related research, teaching and community outreach.

### CONSULTATION

The Mona Ageing and Wellness Centre (through Professor Denise Eldemire-Shearer) continued its work on the Pan American Health Organization/World Health Organization (PAHO/WHO) commissioned consultancy for the development of a National Strategic Plan for Ageing and Health in Jamaica. The consultancy is in an advanced state. Several consultations were conducted with key stakeholders from the Regional Health Authorities. Relevant desk reviews were also completed. There is a noticeable synergy between the current positioning of the consultancy and the Government's reform of its health care facilities and a renewed focus on health from a life-course approach. An Elderly Health Clinic has been proposed, which will align with the MAWC's mission to meet the needs of older adults specifically and emphasize the maintenance of intrinsic capacity among persons as they age.

### RESEARCH

A project, "Breast Cancer Burden and Screening Strategies in Jamaica" was started. The aim of the project is to determine the burden and subtype distribution of breast cancer in Jamaican women and to describe physicians' screening-related knowledge and practices towards women across age spectrums and with varying comorbidities. This project is being done in collaboration with Dr. Sonya Reid M.D., Haem/Oncology Fellow, Vanderbilt University, Nashville, Tennessee. It was approved by the University

of the West Indies Ethics Committee and will be funded by the Ministry of Health Research Grant Awards to Dr. Kayon Donaldson-Davis (MAWC) \$1.5 million.

## TEACHING

The graduate programmes in Gerontology which are delivered by MAWC in partnership with the Department of Community Health and Psychiatry had a total intake of 12 students for the 2018/2019 academic year. Six new students were enrolled in the Master of Public Health -Gerontology programme of which two were successful in all their coursework and final exams and are to be awarded the degree. The remaining four students are part-time students and will complete the programme by June 2020. The Post-graduate Diploma in Gerontology had six new students for the year under review. Four students were successful in all coursework and final exams and are to be awarded the Diploma. Below is a breakdown of the students who participated in the programme over the reporting period.

**Table 1:** Students registered in the graduate Gerontology Programme for Academic Year 2018–2019

	The Bahamas		St. Lucia		Jamaica		
Country	Full Time	Part Time	Full Time	Part Time	Full Time	Part Time	Total
Post-grad Diploma	2	–	–	–	3	1	6
MPH	–	1	1	–	1	3	6

A new programme – Post-graduate Diploma in Geriatrics is being developed. The programme's main focus is to prepare Medical Doctors (Primary Care Physicians) for the specialized care of older adults. This programme will also act as the premier, centralized training interface for Geriatrics within the Caribbean. The programme will span 1 academic year (September to June) and be offered remotely for regional participants.

### Older Adult Caregiver Training Programme

Over the reporting period, Modules 3 and 4 in the Older Adult Caregiving programme were offered. Module 3, which focussed on Understanding Mental and Psychological Changes in Older Adults, was offered in November 2018 and attracted 33 participants. Module 4, End of Life Issues Training, was offered in July 2019. Sixteen persons participated in the training. The participants are very grateful for the training as it increased their level of awareness and understanding of ageing issues. Many express an

interest in undertaking further study for both personal and professional development. The proposed upcoming training is First Aid and CPR to be offered before December 2019.

## **COMMUNITY SERVICE & OUTREACH**

The MAWC continues to provide ongoing community support and services for older persons, their relatives, caregivers, schools and communities in general.

### **Computer Classes**

In spite of the regular requests for the scheduling of Computer classes, they were not held during the period under review as the student quota was not met. Contact information for all interested persons has been retained for future classes. MAWC intends to improve its marketing of the classes to increase intake. The classes are offered at a minimal cost and are focused on introducing older adults to computers, typing documents, browsing the internet, creating and accessing email. Past participants have lauded the class for appropriateness of content and expert delivery.

### **Gym**

The Gym was closed for a brief period because of termite infestation which caused major damage to the facility. It was reopened in October 2018. On average eight persons attend the gym on a weekly basis. As at July 2019, the gym had 31 members. Of the thirty-one members actively participating, fifteen are from Mona and August Town communities; others are from Church and community including groups Starlight Senior Citizen's Club, Caribbean Community for Retired Persons, University of West Indies community and Lupus Foundation of Jamaica. All members of the MAWC Gym are given consent forms and must receive medical clearance from their doctor before they can participate in any activities.

Members of the gym have expressed their gratitude for the facility because it has improved their health and has also provided a means of socialization and networking.

### **Outreach**

**2018:**

- International Day of Older Person – Health Fair, Thursday, October 04, 2018
- Christmas Treat – The Haven Nursing Home, Saturday, December 15, 2018.

2019:

**Health Fair**

- Church of the Firstborn Grace Gospel Hall, January 24, 2019
- Church of the Firstborn Gospel Auditorium, Tuesday, April 16, 2019.

**Dissemination of Ageing Information**

- The Centre continued the online initiative of engaging the public through its Facebook page <https://www.facebook.com/uwimawc>. This provides a platform for disseminating valuable information to the public on a variety of topical ageing issues and allows for mutual exchanges between the Centre and its stakeholders.
- Emails providing relevant information on issues affecting older adults and public health systems are circulated to organizations including National Council for Senior Citizens, Caribbean Community for Retired Persons (CCRP) and to retired UWI staff. This initiative is being led by Ms. Annazika Watkins.
- MAWC, in partnership with the Pan American Health Organization, conducted a one-day Ageing workshop for health care workers in the North East Regional Health Authority (NERHA). The sensitization workshop was requested by NERHA and covered a wide range of topics addressing clinical issues, nutrition, communication, health services, and the built environment. The workshop was held at the Annotto Bay Hospital in St. Mary on 14th August 2018 and had 43 participants.

**Day Centre**

This initiative is still in the planning phase. Arrangements for the needed resources including physical infrastructure are yet to be finalized; primarily the allocation of a house promised by UWI.

**PAPERS PRESENTED**

**Non-academic presentations**

- **Eldemire-Shearer D.** The Impact of Emergencies and Natural Disasters on Older Persons: An Age-friendly Approach. Presented at Rebuilding Puerto Rico towards a Healthy Aging Geriatric Program Department of Health of Puerto Rico, August 24, 2018.
- **Eldemire-Shearer D.** Non-Communicable Diseases & Dementia Findings From Jamaican Research. Presented at St. Kitts, March 2019.

- **Eldemire-Shearer D.** Caribbean Health Care Systems And Longevity: Evolution of Health Care and Ageing. Presented at Caribbean Actuarial Association 28th Annual Conference, Jamaica Pegasus Hotel, Kingston, Jamaica, 28th–30th November 2018.
- **Eldemire-Shearer D.** Lifestyle Choices for Healthy Aging. Presented at CariMed Conference, September 2018.
- **Eldemire-Shearer D.** Ageing in the 21st Century. Presented at The World Family Doctor Day Education Committee Family Doctor Day Conference, Alamba Inn, on May 18, 2019.

#### **Papers/Posters Presented At Scientific Meetings**

- **Donaldson-Davis, K., McKoy Davis, J., Willie-Tyndale, D., James, K., & Eldemire-Shearer, D.** Disaster Preparedness among Adults Over 60 years in Jamaica. Poster at the “Caribbean Strong: Building Resilience with Equity” Summit held at the Sheraton Hotel and Casino, San Juan, Puerto Rico, February 27–March 1, 2019.
- **McKoy Davis, J., and Eldemire-Shearer, D.** How do perceptions of financial preparation for retirement explain the relationship between financial preparation and retirement delay in Jamaica? Third Global Conference of the Mixed Methods International Research Association (MMIRA), Vienna, Austria. August 22–25, 2018.
- **Willie-Tyndale, D., James, K. McKoy Davis, J., & Eldemire-Shearer, D.** Predictors of Physician Advice on Diet and Physical Activity to Older Persons in Jamaica. Paper presented at the 14th Global Conference on Ageing of the International Federation on Ageing held in Toronto, Canada, August 8–10, 2018.
- **McKoy Davis, J., Eldemire-Shearer, D., and James, K.** Mirror, mirror, on the wall, have we prepared for old age at all? Retirement preparation and financial security among older adults in Jamaica IFA 14th Global Conference on Ageing, Toronto, Canada. August 8–10, 2018.
- **Eldemire-Shearer D.,** Dementia Prevalence In Jamaica. Presented at International Federation on Ageing (IFA) 14th Global Conference on Ageing, August 5–11, 2018. Poster presentation.
- **Eldemire-Shearer, D., McKoy Davis, J., Willie-Tyndale, D., James, K, Gibson, R., and Johnson, P.** The Mini-Mental State Exam as a screening tool for Dementia in Primary Care in Jamaica. The 2018 Research Days, The University of the West Indies, Mona. February 2018. Poster presentation.
- **McKoy Davis, J., Willie-Tyndale, D., Mitchell-Fearon, K., Holder-Nevins, D., James, K and Eldemire-Shearer, D.** Grandparents: Invaluable Family Resources.



The 2018 Research Days, The University of the West Indies, Mona. February 2018. Poster presentation.

## PUBLICATIONS

### Refereed Journal Articles

#### 2019

- James, K., Thompson, C., **Willie-Tyndale, D.**, Holder-Nevins, D., Gibson, R., Johnson, P., **McKoy Davis, J.**, & **Eldemire-Shearer, D.** (2019). Performance and Receiver Operating Characteristics of the Mini-Mental State Examination Instrument in Detecting Dementia in a Rapidly Developing Country (Jamaica). *Journal of Geriatric Psychiatry and Neurology*. DOI: 10.1177/0891988719841722.

#### 2018

- **Willie-Tyndale, D.**, & **Eldemire-Shearer, D.** (2018). Correlates of Pelvic Floor Disorders in Women Fifty years and over Attending Out-Patient Gynaecology and Urology Clinics at a Tertiary Hospital in Kingston and St. Andrew, Jamaica. *West Indian Medical Journal* 67(5):376–381.
- Holder-Nevins, D., James, K., **McKoy Davis, J.**, **Willie-Tyndale, D.**, Thompson, C., & **Eldemire - Shearer, D.** (2018). Who Cares? Socio-demographic and Health Characteristics of Carers of Older Persons in Jamaica. *West Indian Medical Journal* 67(5):465–470.
- Thompson, C., James, K., Holder-Nevins, D., **Willie-Tyndale, D.**, & **Eldemire-Shearer, D.** (2018). Sinking Teeth in Dental Health of Older Adults in Jamaica. *West Indian Medical Journal* 67(5):480–487.

## PUBLIC SERVICE

MAWC academic staff members continue to serve the public in various organizations nationally and internationally including:

*Professor D. Eldemire-Shearer*

Chair, Health Research MOH Committees, 2017–present

Member, PIOJ Health TWL/Vision 20/30 –

Member, Year Strategic Plan Ministry of Health

Member, UHWI Hospital Board

Honorary Chairman, Caribbean Community Retired Persons

Member, Homeless Task Force Ministry of Health

Patron, National Council for Senior Citizens  
 Member, Central Health Committee  
 Executive Director, Action Ageing Jamaica  
 Member, International Federation on Ageing (IFA)  
 Foundation Member, Caribbean Public Health Association (CARPHA)  
 Member, Medical Association of Jamaica (MAJ)  
 Member, Gerontological Society of America

*Mrs. Douladel Willie-Tyndale, PhD*

Member, Gerontological Society of America  
 Member, International Federation on Ageing (IFA)  
 Member, University of the West Indies Ethics Committee  
 Reviewer, *West Indian Medical Journal*  
 Member, HelpAge Jamaica

*Mrs. Julian McKoy Davis, PhD*

Member, Canadian Association of Gerontology  
 Volunteer, International Federation on Ageing Annual Conference Canada (August), 2018  
 Member, International Federation on Ageing  
 Reviewer, *Journal of Health Care for the Poor and Underserved*  
 Reviewer, *Grand Families: The Contemporary Journal of Research*  
 Board Member, National Council for Senior Citizens  
 Member, Gerontological Society of America

*Dr. Kayon Donaldson-Davis, B.Sc. MBBS*

Member, Gerontological Society of America  
 Member, Jamaica Medical Doctors Association







# THE UWI MONA WESTERN JAMAICA CAMPUS

Montego Bay, Jamaica

Year ending July 31, 2019



**PATRICK PRENDERGAST, PhD**  
**CAMPUS DIRECTOR**

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# Overview

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The UWI Mona – Western Jamaica Campus entered its 11th year of operations in the city of Montego Bay with high expectations from both internal and external stakeholders. The 2018–2019 academic year was the second year of full roll out of the UWI’s 2017–2022 Triple ‘A’ Strategy which requires deliberate and intentional action towards increasing opportunities for access to higher education, improving standards and processes consistent with industries served, and providing evidence-based response to present and future needs of a developing society.

Additionally, with a new principal on board and a renewed thrust by senior administration to support the development of the campus, 2018–2019 became a new base year for another ten year roll out of the UWI Mona WJC becoming the point of reference for excellence in the delivery of higher education in Western Jamaica. In fact, on March 22, 2019, ground was broken for the construction of new facilities at Barnett Estates. This event has led to increased engagement with varying levels of stakeholders on matters to do with development of the physical plant, introduction of academic programmes that will meet the needs of the region, possibilities for student accommodation, and capacity building to ensure financial, administrative, and human resource sustainability of the campus.

As part of expanding our culture of success and enhancing Mona’s commitment to quality academic programming, sound research output, and impactful community enterprise, the campus also developed new collaborative capacity building, community mapping, and social change initiatives with the Mona Social Services. This has led to a memorandum of understanding with the Social Development Commission as well as further leveraging of existing corporate relationships and academic partnerships to ensure transformation and sustainability of both the campus and the city in which it is located.

The annual WJC Week in October 2018 was a demonstration of the critical value of partnership and networking between the campus and major stakeholders at the local, national and regional levels. The 2018 edition of WJC Week included:

- The 3rd WJC Honor Society Awards which recognizes and rewards the top academic performances across all faculties was fully sponsored by members of the community and staff;

- The 3rd annual media appreciation seminar focused on connecting the regional news and information personnel with the UN Inter-Panels Climate Change 2.0 Report and had UWI Professor Michael Taylor as well Director General of the Caribbean Disaster and Emergency Management Agency (CDEMA), Ronald Jackson as special presenters; and
- The 3rd WJC Sustainable Cities Symposium held under the theme *Information Assurance and the Drive towards SMART City Status* in collaboration with North Carolina-based Forsyth Technical Community College, Mona School of Business and Management, Jamaica Computer Society, Jamaica Constable Force, and the Ministry of National Security.

In November 2018, the WJC Psychology Unit (Department of Psychology, Sociology and Social Work) in collaboration with the Office of the Campus Director launched a public education initiative around issues of child and adolescent development. This initiative included a weekly public engagement session – lectures, seminar, workshop and panel discussion – and explored such topics as *Parenting in the 21st century*; *Fathering in Jamaica*; *Understanding disabilities among children and adolescents*; and *Promoting healthy body imaging among children and adolescents in the age of social media*. The series had a combined participation of approximately 1,000 parents, teachers, health and education professionals, and students from across St. James.

The UWI Mona-WJC successfully participated in UWI Research Days 2019 under the thematic area of Law, Governance and Society. The successful and highly acclaimed WJC exposition was framed as a Zone of Success Opportunities (ZOSO) and focused on the impact of crime on the psycho-social and economic wellbeing of the region. A public lecture entitled, *Scamming Nah Dun? The psychology of crime in Western Jamaica*, was delivered by Ms. Georgia Rose as a signature event.

The 5th annual Study Abroad Programme by the Virginia-based Old Dominion University (ODU) was hosted in March 2019. The WJC-facilitated one-week programme was expanded to include orientation lecture at Mona and as well as cultural experiences at Kingston locations such as Devon House and the Bob Marley Museum. Other added features included a public lecture and seminar by visiting ODU professor, Dr. Narketta Sparkman-Key on *Mental Health and Black Adolescent Suicide*, as well as an exceptional ODU Doctorial-UWISON students' panel discussion on Cultural Competencies. The ODU students continued their Human Services Programme with the Women's Centre in Montego Bay.

The UWI Mona-WJC finally crossed the 900 marker for student registration in 2018–2019. The official registration at July 31, 2019 showed 867 undergraduates in 17 majors and 60 graduate students in 2 programmes totaling 927. As usual, the majority of students are registered in the Faculty of Social Sciences (639) followed by Humanities and Education (105), Medical Sciences (93), Science & Technology, (19)

and Law (11). The official registration for FMS reflects only the four levels of UWISON students and not the approximately 40 students who do the first two years of the MBBS programme at WJC. The near 5 percent increase in total registration is consistent with that of the last four years, but is due largely to a 12.5 percent increase in the undergraduate numbers. There was a 23 percent reduction in the graduate programme intake.

### **ACADEMIC DEPARTMENT HIGHLIGHTS**

Though significant effort was made over the period under review to correct what is a critical anomaly, our academic staffing continues to be predominantly adjunct. Adjustments to the scheduling of teaching and increased access to the students have led to better relations between faculty and students; but the effort at increasing both the number and presence of full time faculty continues.

The energy behind ensuring improved quality of delivery and engagement was unceasing in 2018/2019. The Institute of Caribbean Studies submitted to St. Augustine and Cave Hill a course entitled Food and Culture. This will be presented with resolutions to the comments before FAQAC and the expectation is that this course will eventually be offered at the WJC as the department seeks to expand beyond its current offering of minors at the Montego Bay site.

The innovation in instruction within the FMS is also noteworthy. The FMS team at WJC is motivated by its contribution to the development of new thrusts in the teaching of surgery, the adoption of instructional objectives for all senior surgery core topics, as well as adaptation to the flipped classroom content delivery methodology across the teaching sites. The successful streaming of Biochemistry lectures from WJC to Mona by Dr. Cheryl Stewart is a significant step towards higher level engagement of both the faculty and students at WJC with the main campus at Mona. Improved engagement for both academics and students is also seen with MSBM's introduction of the Executive in Residence initiative at the WJC.

The Department of Computing experienced its largest intake of new students to the BSc Information Technology programme for the year 2018/19. This was based on work done to adjust regulations for the BSc, IT students entering the faculty of Science and Technology. However, in CARIMAC, the numbers remained consistent with previous year due primarily to the lack of expansion in lab capacity for the Digital Media Production programme and a seemingly flat interest in the Integrated Marketing Communication programme. And, despite the removal of a couple low intake programmes in Government, the consistent growth in student numbers remain within the FSS. The upward trend over the last few years has been in Accounting, Psychology and Tourism Management.

Our students continue to perform within the expectations. From UWISON, a final year student placed second in the annual NAJ/LASCO Nursing Student of the Year Competition while of the finalizing class of twenty-one students, two were awarded first class honors and the other 19, upper second class honors. The passes in the Regional Examination Nurse Registration licensure examination was 63.3% in October 2018 and 100% in April 2019, just about 125 undergraduates were eligible for graduation 2019 with about ten percent achieving first class honors and just over 50% with second class degrees. Greater effort will have to be made over the next couple of years at positioning the campus as the best choice for higher education in the Western region.

## PAPERS PRESENTED

- **Anderson, Ricardo.** “Improving Education with Technology in Jamaica”, Intelligent Tutoring Systems and Artificial Intelligence: Changing Education and Impacting Business, Intelligent Tutoring Systems Conference, June 3–7, 2019, Kingston, Jamaica.
- **Campbell, S.,** “A Caribbean Man’s Analytic Auto ethnography of Suicide”, Caribbean Studies Association Conference (CSA), Santa Marta, June 4, 2019.
- **Douse, Hugh.** “Trying the Two-Foot Dance of Gods: Jamaicans and Stan Lee” ICS Staff/Postgraduate Seminar Presentation, Faculty of Humanities and Education, UWI, Mona, Room N4, November 22, 2018.
- **Drummonds, Anthony O.** and Deanne Cranford-Wesley. *Cybercrime and the JamaicaEye*, UWI Research Days 2019, February 6–8, 2019.
- **Grant-Reid, Nadia.** (2019). “Effect of Vocational Training on Employment and Wage Premium: Evidence from Jamaican Panel Data.” WECON UWI Regional Headquarters, March 21–22, 2019. (Oral presentation)
- **Plummer, Nicole** and Erin MacLeod. “If you don’t make money, Then you don’t make sense”: Representing Wealth in Popular Jamaican Music, Global Reggae Conference, February 13–16, 2019, The UWI, Mona Campus (9 pages).
- Wright, G.; **Wagh-Brown, V.** “The occurrence of chronic sorrow and coping strategies employed by adult oncology patients in western Jamaica” presented at CARPHA 64th Annual Research Conference, June 21, 2019 in Trinidad.

## PUBLICATIONS

### Books and Monographs

- Mullings J, Barton-Gooden A, Garriques-Lloyd S, **Noble-Myrie V**, Reid S and Paul T. “Pathways to Sustainable Development Goal # 3: Integrating human



rights, health equity and social justice into health policies and programmes in Jamaica”. In *Advances in Sociology Research*. Volume 27, 2019 ISBN: 987-1-53615-802-1 (ebook). Nova Science Publishers. Hauppauge, New York, USA.

### **Refereed Journal Articles**

- Carvalho A, Evans-Gilbert T.: “*The Pathophysiology of Marijuana-induced Encephalopathy and Possible Epilepsy after Ingestion in Children: A Case Series.*” *Innovations in Clinical Neuroscience*. 2019; 16(3-4):16–18.

### **Non-refereed**

- Plummer, Nicole. “*Humanities Matters: Relevance of Humanities in Today’s World*”. *The Gleaner*, Sept. 23, 2018, <http://jamaica-gleaner.com/article/art-leisure/20180923/humanities-matters-relevance-humanities-todays-world>.
- Waugh-Brown, V. “*Is Cornwall Regional Hospital Sick unto Death?*” *The Jamaica Observer* (Thursday May 3, 2018).

### **Technical Reports**

- East J, Ferguson T, Newnham M, Titus I, Vickers I, Brown H: “*Guidelines on Management of the Patient with Diabetic Foot Infection*” *West Indian Medical Journal* (2019); 68(Suppl. 2) (18-26), DOI: 10.7727/wimj.2018.194.
- Simpson L, Chin S, East J, Wilson C, Copeland J, Cornwall D, et al: “*Guidelines on Management of the Patient with Breast Cancer*”, *West Indian Medical Journal* (2019); 68(Suppl. 2) (55-72), DOI: 10.7727/wimj.2018.198.

## **INCOME GENERATION**

Over the last few years we had increased our income generation capacity primarily through expansion of rental of the physical plant and summer school operations. However in 2018–2019 we were forced to scale back our effort in both areas due to lack of financing for needed upgrade of critical support systems such as the information technology infrastructure and the already heavily repurposed failing physical plant, as well as changes to both the management of the campus’ financial health and our marketing communication and recruitment activities. Just over J\$2.2 million dollars was generated from facilities rental down from J\$2.9 million dollars in the previous year. Summer School generated J\$8.4 million from 299 registrations down from the J\$11 million and 382 registrations in 2018.

Financial assistance to students in the form of scholarships, bursaries and grants based on both needs and academic performance, remained fairly even for the period under

review. The MoBay City Run, MAICA Foundation, Business Process Industry Association, and WJC Student Honor Society Awards are the main WJC-based funding sources totaling just under three million dollars annually. Additionally, the UWISON initiated a needy student fund through a small grant received from the Henry Ford University. This fund is administered through the School's Student Welfare Coordinator and support those who are unable to afford meals while at school. There are other scholarships and bursaries offered by corporate and philanthropic institutions and those relationships are being strengthened through working with the Office of Students Financing at Mona.

## **PUBLIC SERVICE**

- Miss Sandra March (MSBM) and Mrs. Veronica Waugh-Brown (UWISON) both serve as a Justices of the Peace for St. James while Mrs. Verona Henry-Ferguson (UWISON) serves as Chairperson for the Nurse Educators Special Interest Group of the Nurses Association of Jamaica.
- Campus Director, Patrick Prendergast serves as co-chair of the newly established Mayor's Advisory Council in recognition of the campus' consistency in education and advocacy for the planned development of the city of Montego Bay.

## **STUDENTS**

UWISON year 4 student, Miss Abigaile Jones placed second in the NAJ/LASCO Nursing student of the year Competition. Two students received the MAICA Impact scholarship amounting to CAD\$5000.00.

The FMS-WJC students continue to perform well in the Basic Science programme. During the 2018–19 academic year, Ms. Rodean Sylvester received Faculty and WJC Campus awards for her excellent performance in exams. Ms. Mike-Ann Channer, who moved into Year 3, also received Faculty awards for her academic performance.

This year, the Institute of Caribbean Studies, Stuart Hall Prize in Cultural Studies winner emerged from the Western Jamaica Campus. She is Ms. Sashauna Williams. This is the first time the winner of the Stuart Hall Prize for best performance in several Cultural Studies courses.

## **CONCLUSION**

The UWI Mona-Western Jamaica Campus continued its slow but sustained growth in new student intake, improved the quality assurance of our academic programmes, and deepened its commitment to the region's growth and development through its adoption and projection of new teaching, research, outreach and physical infrastructure development. The thrust towards establishing the UWI Mona-Western Jamaica

Campus as the Centre of Excellence in Higher Education across the western region and repositioning it as the preferred institution for study is clearly on in earnest.

While the five percent growth in student population may be considered marginal, it should be noted that 2018–2019 was the third consecutive year of surpassing the 300 marker for new student registration which stood at 323 as at July 31, 2019. The campus is graduating on average, just over 100 students each year ready to serve in critical areas of development from medicine to tourism, business and cultural enterprise. Both the academic, administrative and support staff are involved in purpose-designed professional development activities aimed at improving efficiency and effectiveness of service to the various stakeholders. Importantly, at the community level, our visibility and impact are strengthened by the introduction of social development and technical and capacity building initiatives led by Mona Social Services and integrating staff and students of the campus.

We must however quickly overcome the challenges associated with operating at an old facility and a location that limits applied and immediate experience especially for the scientific based programmes. Strengthening our alignment with the social, cultural, economic and civic instructions of the region, becoming even more agile in our response to the needs of our various publics – students, staff, current and prospective clients, and expanding our unique programme offerings requires support at all levels. The strong engagement of senior administration over the last academic year is therefore not only welcomed but desired; and must be strengthened especially as the campus transitions into its second decade of expansion in transforming the life and wellbeing of the western region.

# THE LIBRARY

## Mona

Year ending July 31, 2019



**PAULETTE KERR**  
**BA, Dip Lib, MA UWI, PhD Rutgers**  
**CAMPUS LIBRARIAN**

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## Overview

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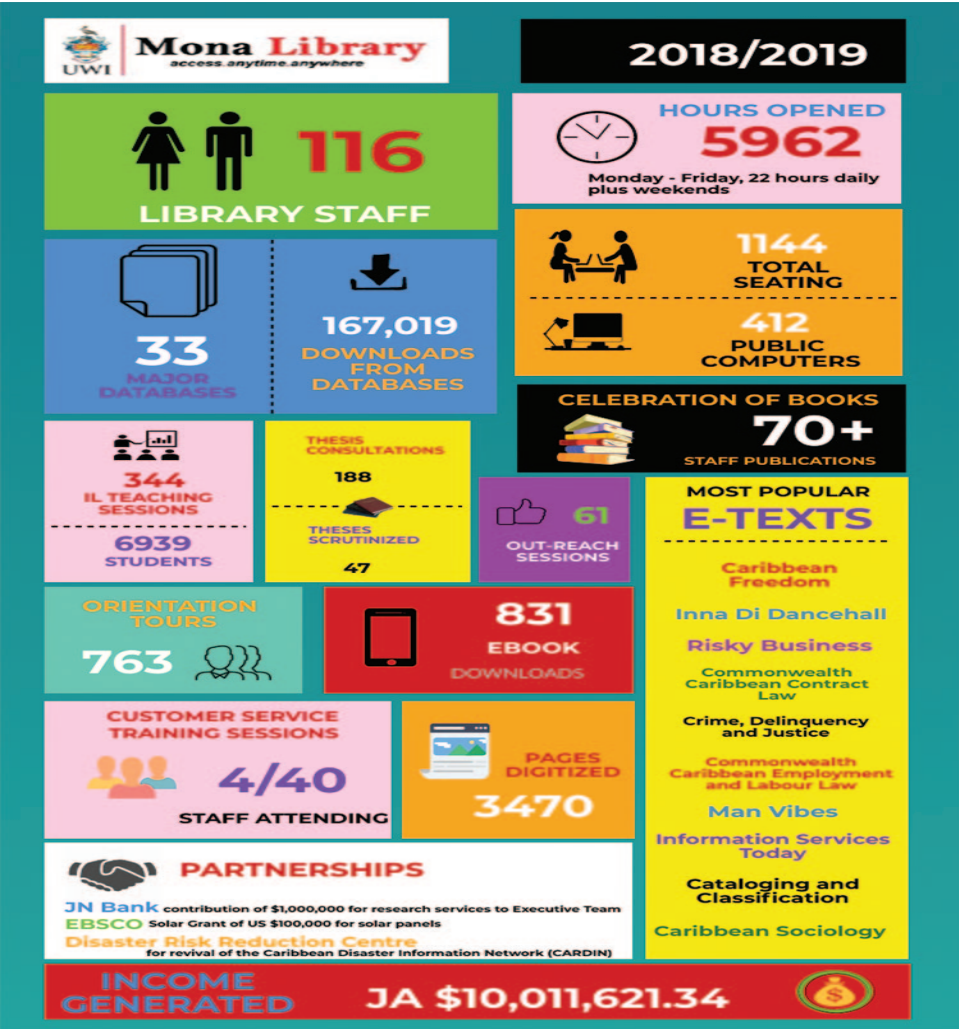
The 2018–2019 academic year marked the 70th anniversary of The UWI Mona Library, and in celebration of this milestone a range of activities and events were organized. Library Open Week was held from October 7 to 12, beginning with a church service at The UWI Mona Chapel. In commemoration of both the Library's and the University's 70th anniversary, Library Open Week featured a "Celebration of Books", an exhibition of 70 key publications representing outstanding work of staff and faculty, one for each of the 70 years, spanning 1948 to 2018. This event was held at the Regional Headquarters, The UWI, Mona, on Monday, October 8, and was the signature event of Library Open Week.

Other highlights of the year included the launch of the "Did You Know"? Library series aimed at sensitizing the UWI community to the unique services offered by the Library; the identification of the 1738 Sloane Manuscript for digitization, which is a collaborative initiative of the UWI Press and the Mona Library; the signing of an agreement between the Library and the Jamaica National (JN) to provide paid research services for 12 executives at a cost of one million dollars per year; the celebration of the 40th anniversary of two major murals on the campus – Year of the Child and Communication – was enhanced by the mounting of a Library exhibition which presented never before seen details from the artist on meanings of the murals; installation of the solar panels on the roofs of the Science and Engineering Branch Library and the Department of Physics, resulting from the EBSCO Solar Grant; Dr Sasekea Harris, Head of the Science and Engineering Branch Library, was appointed member of the OCLC Americas Regional Council Delegates to Global Council, from July 1, 2019 to October 31, 2022.

The Library continued its focus on realizing the 2017–2022 Triple A strategic goals and objectives with emphasis on digital transformation; teaching and learning; and a caring, accountable, motivated, and professional (CAMP) team. Although notable strides were made, there were several challenges. The financial constraints caused delay with meeting our obligations to a number of our vendors, outdated equipment, including printers and air conditioning units, continued to malfunction, which caused great distress to our staff and patrons. Notwithstanding these issues, the Library staff demonstrated creativity and resilience, and high productivity.

WORK OF THE DEPARTMENT 2018/2019

The following figure, summarises other key achievements during the year



COLLECTION DEVELOPMENT

Gifts

The Library continues to benefit from large and small donations from past students and faculty, current faculty, institutions, other individuals and well-wishers. These donations comprise a large percentage of the number of items added to the collection each year. During the year, Professor Mavis Campbell, Professor Albert Hines and Mr. Joseph Bailey were our major donors. However, we continued to be challenged by the limited spaces in the Library as we have long outgrown the current Main Library building.

## Purchases

The Library experienced improvement in the supply of material ordered from our main books supplier, Yankee Book Peddler (YBP) which is a subsidiary of EBSCO. The turnaround time from the placement of an order to the actual supply of the material is now approximately 3 weeks. Unfortunately, the majority of texts purchased for taught courses were not available from library vendors in electronic format. This has been a long standing need that our vendors are fully aware of. Electronic format is the preferred format for the Library, and texts are purchased in this format if available.

The Mona Library benefitted significantly from the shared purchase of E-books from EBSCO and ProQuest. Many titles, purchased mainly by St. Augustine were added to the collection under this arrangement.

### *Items purchased during the year*

Purchases				
Branches	New Titles	Total Volumes	Audio Visuals	
Main	146	180	1	
Science	54	59	6	
Medical	47	49		
WISC	45	49		
Law	14	15		
WJC	18	33		
Bahamas	2	2		
E-Books	45	45		
<b>Total</b>	<b>371</b>	<b>432</b>	<b>7</b>	

## Addition to the Catalogue

During the year under review, a total of 2,250 new titles were uploaded to the OPAC by the Cataloguing Section. This is inclusive of the different collections: electronic resources, theses and research papers, West Indies and Special Collections monographs, audiovisuals, retrospective conversion and the general Main and Branch Libraries collections. Approximately 525 electronic texts were edited and exported to the OPAC. In addition, during the period, the Library also uploaded and linked 1350 retrospective conversion items to the OPAC. Approximately 843 monographs were sent to the bindery and 1045 returned from the bindery this year. The Library was able to tattle 2036 items this year for RBC, WISC and the Open Shelves. The Western Jamaica Campus Library received 222 items.



## Reading Lists

A total of 154 reading lists were submitted for the academic year 2018/19. This is in response to letters of request sent to Heads of Departments, Faculty members and Administrative Assistants in the various department offices, in May of 2018. The Library remains committed to the purchase of **required**, and **highly recommended** text books that are on reading lists produced by faculty for UWI courses.

## E-Books, Serials and Databases

The quality and impact of an institution's research output is based in large part on the quality of the information resources available to the researchers at that institution. The Library continues to provide access for the campus community, to peer reviewed journal articles, conference proceedings, and newspaper articles largely through its database subscriptions. During the period under review, the library managed the subscription to thirty-three (33) major databases from various vendors. One or all of the UWI campuses share in the cost for 15 of these databases, while 3, are paid for by the Faculty of Law, Mona. Usage statistics from a selection of UWI Mona Community, indicate most heavily used as Proquest Central (comprising 47 smaller individual databases) and EBSCO databases.

The Library continued its serials subscriptions with its main vendors EBSCO and Lexis Nexis. Six titles were cancelled from the Medical Library's account and three titles from the Main Library's account, due to low usage and the fact that they were already available in another library database. Positive feedback was also received from faculty on the new Counseling and Psychotherapy Collection database from SAGE Publishing, which was offered as a trial in 2018. Based on the feedback, it will be submitted for purchase during the next academic year 2019/20.

## Weeding of the Periodicals Collection

As an essential component of the collection management process, weeding of the print serials collection which began in 2017/2018 academic year continued in the 2018/2019. To date, approximately twenty four thousand three hundred and seven (24307) issues have been removed from the collection. The weeding of the collection was necessary as the library seeks to repurpose its limited space for other innovative services. The weeding process was guided by the currency of the material, relevance (item support/current program/course offerings), availability (items in our databases or available through other online media) and physical condition (item in very poor condition).

However, Caribbean material remained on shelf. While significant progress is being made, the weeding project was hampered by staff going off on leave during the summer. The project will continue in the 2019/2020 academic year.

## ACCESS TO COLLECTIONS

### Circulation

There continues to be a gradual decrease in the circulation of printed material from the open shelf to our patrons. However, the use of the Reserved Book Collection increased by approximately 23%. This confirms the fact that patrons are turning to electronic resources, and underscores the need for the Library to continue to increase its offerings of e-books and other digital products. Clients also continue making use of the postgraduate carrels, laptop bags and lockers for storage of personal items while using the Library's facilities. During the period 60 new lockers were installed in the Main Library.

### Inter-Library Loan

This service continued to assist Library patrons with access to resources not available at the UWI Mona Library. The Library continued to expand collaborative relationships with institutions that will lend and share materials at minimal cost. Thirty-six (36) such requests were fulfilled. During the review period, the Library satisfied 70 requests from regional, local and international partners.

### Reference and Research Services

Reference service continues to be one of the key services offered by the Library. Face-to-face reference assistance is still in demand primarily by undergraduates who are completing Foundation writing courses.

Virtual reference which was reintroduced in 2017, is gradually gaining momentum as more staff consistently logged onto the service to assist users. For the period under review, the Public Services trained and retrained several librarians and paraprofessionals in the use of the Kayako chat platform. Additionally, on December 12, 2018, a team from the Mona Information Technology Service conducted a Kayako training session in which sixteen staff members were taught how to use Kayako.

Efforts were also made to promote the virtual reference services. This included: additional links to the Kayako Chat added to the Library's website and the chat icon changed to one that was bigger and which sent a clearer message with the wording 'Online Chat'. In addition, new flyers were also designed and placed on the website and at strategic locations in the Library. Online chat was also promoted at UWILinC training sessions and during foundation classes. A total of 206 chat sessions were conducted during the period.

## Website

There was a decrease in the usage of the Library's website for the academic year. Possible causes for the reduction included the closing of the MERIC and Postgraduate Computer Labs, connectivity challenges experienced throughout the year as well as the frequent loss of electricity.

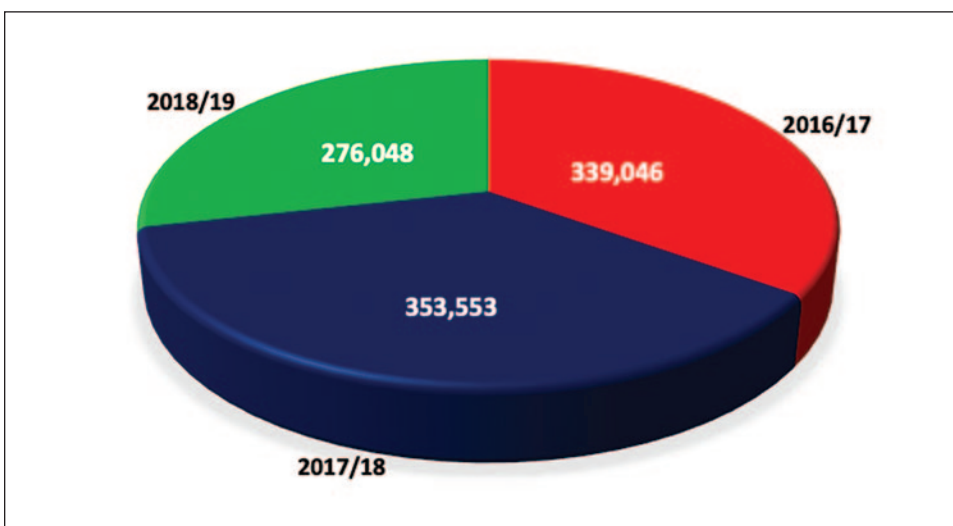


Figure 1: Website visits during the year

## Digitization

The Digitization Lab is now fully outfitted with 5 computer units, meeting the required specification for the capturing of static media; 1 printer; 1 flatbed scanner. This will see an increase in digitized collections, specifically past papers, theses and dissertations, and material from the West Indies and Special Collections. Also addressed for efficiency was the workflow. The Unit digitized 3470 pages during the year. 10 BBC reports were uploaded to UWISPACE with the assistance of the St. Augustine Library after the Mona Library experienced challenges uploading on its platform.

## Tours

In addition to tours conducted during general student orientation, the Library also hosted 40 students from the Moneague Teachers' College for a tour during which they were shown how to use UWILinC and were assisted in finding sources for their assignments. Teachers and students of the St. Joseph's Teachers' College were also accommodated for a Library visit during Semester II. Having received a one-day pass

for attending Library sessions at UWI Research Day, they utilized the UWI Mona Library resources to conduct research for assignments.

### **Visitors**

Visitors pursuing private scholarly activities as well as those from regional and international universities were welcomed during the year. This included a visit from the new Campus Principal, Professor Dale Webber. While touring the WISC, Professor Webber was especially interested in the illustrated plates of the Sloane Manuscript (produced by Sir Hans Sloane the 16th century physician, natural historian, researcher and writer which is available only at The UWI Mona Library and The British Library)

Dr. Ruth Minott Egglestone, the leading academic/researcher on the LTM Pantomime utilised the West Indies and Special Collections Section and was also interested in the Roger Mais Collection.

Mrs. Cecile Eusterp-Thompson, wife of the late Ambassador Dudley Thompson, visited on May 6, 2019 and was very pleased to see the remounted exhibition on her late husband. Mrs. Thompson also gifted the Library with a citation of Dudley Thompson written by Professor Rex Nettleford.

## **TEACHING AND LEARNING**

### **Undergraduate**

#### ***Foundation Courses***

The Mona Information Literacy Unit, the teaching arm of the Mona Library continues to support the UWI's initiative of enhancing teaching and learning through the teaching of Foundation courses. During the year 344 sessions were taught, accommodating approximately 7,000 students.

#### ***Research Rescue***

The Research Rescue Programme is an activity in which Halls of Residence Librarians visit their assigned hall on the same date and time for 2 to 3 hours, primarily to help students completing course work for Foundation Writing courses. Research Rescue was also done for Commuting Students who were assisted with finding sources and referencing.

## **Graduate Studies**

### ***Postgraduate Learning Commons***

Planned renovation of the Postgraduate Learning Commons (PGLC) in the Main Library slated for December 2018 to March 2019 to address compromised flooring, was delayed for the entire academic year due to major structural issues. This delay resulted in the lack of use of the MERIC Computer Lab and severely impacted service to graduate students. The PGLC in the Science and Engineering Branch Library (SEBL) was the alternate space used by graduate students. The PGLC, Main Library was opened for 5 months during the year under review and a total of 4,780 students used the facility. This is a massive decline from a total of 13,745 patrons benefitting from the facility over 12 months for the preceding year 2017/2018. As a result the PGLC located in the Science and Engineering Branch Library saw an increase in usage with 7,060 patrons using that facility.

### **Thesis Scrutiny**

The Library continued to play a major role in supporting teaching and learning, through its thesis scrutiny and consultation programme, which ensure that the research output by graduate students meets the UWI requirements. During the year 188 theses consultations were conducted and 47 theses were scrutinized.

### **Workshops**

Workshops conducted throughout the year targeted postgraduate students on various topics including: Plagiarism, Referencing, Endnote, and Thesis Preparation.

## **INCOME GENERATION**

The Mona Library, primarily through intake of the Reprographic Services Unit (RESU) and rental from its Multifunctional Room, generated income for the Library and the Campus. Branch Libraries also contributed to generating income through printing, photocopying and fines collected. The year under review saw \$10,011,621.34 in income being generated compared to \$8,507,023 last year.

## **OUTREACH INITIATIVES**

### **Orientation**

The general orientation of undergraduates at the Mona Campus was held on August 23 and 24, 2018. The Library's activities for orientation included, a booth at the UWI



*Students visiting the Library's Booth at the Orientation Village*

Mona Orientation Village; a treasure hunt in all libraries; library tours; welcoming décor in the Main and branches; UWILinC sessions for one week; and Halls of Residence Librarian presentations to first year students on halls over an extended period. The orientation of postgraduates took place August 31, 2018 at which they were informed of the Library's services and facilities and which was a huge success. The WJC Branch also participated in orientation activities at the WJC Campus.

### **Liaison Librarian Programme**

During the year, the Liaison Librarian Programme continued to support faculty in teaching and learning and offered them a number of services. Librarians conducted information literacy training on request from faculty and provided research support for graduate students. Faculty were invited to presentations at Library Connect which was a feature of our Open Week activities for 2018–2019. The format was a series of short presentations to ignite and further develop library and campus partnerships and for liaisons to engage with faculty from various disciplines. A number of Liaison Librarians engaged in verification of publications for faculty members being considered for promotion. The Department of Library and Information Studies' electronic newsletter was added to UWILinC by Ms. Rosemarie Runcie, Liaison Librarian for the DLIS.

## Halls of Residence Librarians (HRL)

HRL is a Library outreach programme, aimed at first year students to reduce their research and library engagement anxiety and assist with their transition to independent learning at the tertiary level. Each of the nine halls at the Mona Campus has a librarian assigned and it was a busy year for all of them. The year began with the usual orientation period which saw librarians engaged in providing information literacy training for their halls either by having them gather for training at the Library on scheduled days or doing one-on-one sessions with students who made requests. This was followed up with information on how to locate past examination papers. Librarians made use of technology to reach students with this information either via emails and/or WhatsApp group chats. The second semester saw librarians engaged in Research Rescue on Halls in March 2019 as well as at the Commuting Students' Lounge later on in the year.

## Library Open Week

The Library staged its third annual Open Week, October 7–12, 2018 with the week's signature event Celebration of Books featured as one of the activities for the UWI's 70th Anniversary Celebrations. The week was launched with a church service at The UWI Chapel on Sunday October 7th.

Celebration of Books showcased the Mona Campus' rich book publishing legacy. Books which were published during the previous academic year were featured. The Library also featured 70 books, one for each year of The UWI's existence. The earliest publication was in 1949 when John Parry published *Europe and a Wider World 1415–1715*. The week also saw the Library engaging its patrons in the Data Visualization Workshop, and E-Resources Fair, Customer Appreciation Day and Library Connect.

## Research Days 2019

The UWI, Mona Library was an exhibitor at the twentieth staging of Research Days, held February 6–8, 2019, at the Mona Campus, under the theme: "UWI Mona: Driving Research for Social and Economic Development". Using the concept of a transportation centre, the Mona Library booth was themed: "The UWI Mona Library, Research Transport Center" and the layout portrayed that theme.

A bus (named the 'research bus') which is a feature of a transportation centre, served as a metaphor for The UWI, Mona Library which takes its passengers (UWI students and faculty) to their ultimate destination, being, learning / growth, completion of research for a UWI Degree, an agile or excellent UWI Graduate. The UWI, Mona Library staff represented the "research drivers". Additionally, the booth had a physical



3D drawing of a bus, and on the inside, were seats for persons interested in participating in the various library research workshops, which were on offer.

The booth had scores of visitors, of which 721 paused to leave written commendation in our comment book. A number of persons participated in the “Research Bus Experience Tour”, which was a tour of the booth and an explanation of each poster, done in a manner consistent with being on a bus tour stopping at various points of interest along the journey.

Fourteen (14) workshops/seminars were delivered over the three day period with 182 participants in attendance.

### **First Year Experience**

Members of staff of the Mona Library participated in the First Year Experience Programme engaging students, while offering mentorship. Activities during the period under review included, Chinese calligraphy and art, bowling, and visits to the beach and the National Gallery.

### **Share to Care Team**

In October 2018, the Library through its Share to Care Team partnered with the Jamaica Cancer Society in their pin drive to promote breast cancer awareness, and sold over two hundred (200) pins at a cost of five hundred dollars (\$500) and one hundred dollars (\$100) each. In continuation of the team’s ongoing commitment to assist in the development of the Library at Grove Primary School in Papine, St. Andrew, over one hundred and fifty (150) loan cards were prepared by members of the team, and handed over to Grove Primary to assist in proper record keeping of the books on loan to students.

### **Mold Infestation**

The issue of mold is still a recurrent concern for staff in the Law Branch Library. The team from the Bindery has been working assiduously to resolve and contain the ongoing issue. Team members made 3 visits during the year and a total 1,700 journals and RBC items were removed for treatment/ cleaning. All material from the RBC were returned along with a few of the journals. However, some items were held in the Main Library for observation. These have shown no signs of mold and will be returned to the Law Library in short order.

## **EXHIBITIONS**

The Library continued to mount exhibitions as well as offer support by facilitating the use of the Library’s space to host exhibitions for other departments. Exhibitions mounted in the Library in 2018–2019 were:

- *Celebration of Books*
- *Effective Research and Writing Strategies*
- *Celebrating the UWI Women* (hosted for Institute for Gender & Development Studies)
- *Highlighting SALISES Researchers* (hosted for SALISES Documentation Centre)
- In tribute to the late former Prime Minister of Jamaica and Distinguished Fellow of The UWI, the Hon. Edward Phillip George Seaga, in June 2019 the Library remounted an exhibition and enhanced said with tributes paid to the late Mr. Seaga and memorabilia from the collection housed at The UWI. Members of The UWI community were duly informed of the display through the Mona Messaging Centre and invited to view
- *The new Mona Campus Principal Professor Dale Webber* mounted in the Main Library in September 2018. The display was also mounted at the Science and Engineering Branch Library in May 2019.
- *Ken Ingram* was remounted for the Kenneth Ingram Lecture on December 8, 2018.
- *Milestones in Literature, Media and Political Commentary* celebrating the life of Peter Abrahams featured a WISC display entitled *Peter Abrahams 100* on March 5, 2019.
- *Chancellor Emeritus Sir George Alleyne* was remounted for Faculty of Medical Sciences Museum Committee's event held on Thursday, December 6, 2018.
- *Solar energy @ the UWI, Mona*
- *Development of Micro-propagation Protocols for the Production of Clean, Elite, Planting Material for Jamaican Farmers*
- *Impact of UWI's Involvement in Climate Change*
- *The University of the West Indies, Mona Faculty of Engineering Gets ABET Accreditation*
- *40th Anniversary of the Murals by Claude Rahir on the Mona Campus* was created as a contribution to The Office of the Principal's reception in honour of the Belgian artiste, Claude Rahim, who created the murals. Through the work of the WISC, The UWI was able to highlight information on the murals that could be the basis for discussions about partnerships between The University and the Belgian Embassy in Jamaica.

A number of exhibitions were also mounted online via the Library's website. These included: Kenneth Ingram: Consummate Scholar Librarian, Reggae Month, Dudley Thompson and P.J. Patterson.

## STAFFING

### Workforce plan

As part of the strategic plan to empower its workforce the Library completed the Library's Workforce Plan 2019 during the year under review. This document captured the Library's vision to realize its goal of transformation to a modern state of the art facility that provides high quality services, uniquely Caribbean, to keep pace with modern academic libraries globally as well as to service the changing demands of the UWI Community. It featured the gap in workforce and how this could be closed either by training and or recruitment of new staff. It will also guide the training and recruitment of staff for the period of the strategic plan as well as a removal of outmoded positions, with new nomenclature for certain job functions in keeping with global trends.

### Training

Library staff continued to be trained throughout the year in a number of areas including: *Work Performance Objective Setting and Delivering Excellent Customer Services; Food & Beverage Service; Etiquette; Administrative Effectiveness – Using Microsoft Outlook; Introduction to Microsoft Excel, level I and level II; Introduction to Microsoft PowerPoint; Business Writing Workshop; Advanced English Communication for Corporate Success; Coaching for Improved Performance; Intellectual Property; Endnote; Databases; and Managing Conflict.*

USAID funded a HEART/NVQ-J certified training session on conservation which was facilitated by the Institute of Jamaica. In total, eighteen staff members were trained up to a level 2 and two staff members were trained at level 3 and are now certified. One person obtained a level 4 certification.

During the period eight staff members participated in the World Intellectual Property Organization (WIPO) training on intellectual property.

### Customer Service

The Library's Customer Service Team successfully implemented a number of initiatives during the period under review. These included:

- *Customer Appreciation Day.*
- *Customer Service Thought for the Week.*
- *Customer Service & Mental Health Seminar*
- *Service Excellence in the Workplace: Emotional Intelligence Seminar.*

- *Customer Service Skill for a Loving Workplace – Valentines’ Day Edition*
- *Recognition*
  - a) Library Commendation E-Board. A number of staff received “big ups” for actions viewed through the lens of customers as “going the extra mile”.
  - b) The UWI, Mona Library Annual Customer Service Awards was held December 21, 2018. Mr. Trevor Alexander was awarded Employee of the Year and the Accounts Section copped the award for Section of the Year. Trophies and gifts certificates were awarded.
- *Customer Service Trivia*. The customer service trivia competition continued throughout the year and winners were awarded various prizes.

## PAPERS PRESENTED AT CONFERENCES

- Harris, Sasekea. “Building an Entrepreneurial Caribbean University Library: Practice, Lessons & Possibilities”. MSBM 4th Business & Management Conference: Delivering on the Promise of Entrepreneurship. July 11, 2019. Jamaica Pegasus Hotel, Kingston, Jamaica.
- Harris, Sasekea. “The Transformational Leader: Inspiring People, Building Great Teams”. Library & Information Association of Jamaica (LIAJA): Academic Libraries Section, Transformational Leadership Workshop. June 7, 2019. The UWI, Mona Main Library, Multifunctional Room
- Harris, Sasekea. “Research Writing Workshop”. November 15, 2018. GC Foster College of Physical Education & Sports, St. Catherine, Jamaica.
- Harris, Sasekea. “Writing the Self-Statement”. WIGUT Professional Development Committee CV Workshop, November 15, 2018. The UWI, Mona Main Library, Multifunctional Room
- Howell Nash J. “Don’t Overlook this Open Source of Information! Open Government Data”. Paper presented at ACURIL, 2018, Santo Domingo, Dominican Republic,
- Howell Nash, Jacqueline. “Open Government Data: Don’t Overlook this Open Source of Information”. Open Access in Caribbean Libraries, Archives and Museums: Opportunities, Challenges and Future Directions. Trinidad, St. Augustine.
- Kerr, Paulette. “Analog to Digital – A SMART Campaign for Media and Information Literacy Policy Planning: An Examination of the Jamaica Policy Planning Framework. MIL to build smart, secure, resilient, tolerant, and socially inclusive and sustainable development cities”. Panelist. UNESCO Global Media and Information Literacy Conference, October 2018. Kuanas, Lithuania.

- Levy, Karen. “Contemporary Perspectives on the Social and Economic Status of Women in Jamaica” June 17–18, 2019. 6th International Conference on Gender and Women’s Studies 2019, Kuala Lumpur, Malaysia.

## POSTER PRESENTATIONS

- Jessica C. Lewis and Bernadette Worrell-Johnson. “Endangered Cultural Archives: A Study of Climate Change Management Strategies in Two Jamaican Institutions.” Rare Books and Manuscripts Section, (RBMS) Baltimore, MD., USA, June 18–21, 2019.
- Jessica C. Lewis and Y. Tugwell. “Impact Inside and Out: IL in the Classroom and Dorm.” 38th First-Year Experience Annual Conference. Las Vegas, Nevada. February 17, 2019.

## PUBLICATIONS

- Newman, Dunstan. “Revisiting Disaster Management after Hurricane Ivan: The Case of the University of the West Indies (UWI), Mona Library”. *LIAJA Journal 2* (2018): 192–219.
- Smart, Cherry Ann and Karen Tyrell. “*LIAJA Magazine*” November 2018 (Nov.), no. 1.

## PUBLIC SERVICE

### Sasekea Harris

- Americas Regional Council (ARC) Delegate to Online Computer Library Center (OCLC) Global Council (2019–2022)
- Member: Library & Information Association of Jamaica (LIAJA)
- Reviewer 2019: Caribbean Perspectives on Criminology and Criminal Justice. Wendell C. Wallace, Editor. Westphalia Press
- Reviewer 2018: “Caribbean Museums”: the flagship publication of the Museums Association of the Caribbean
- United Church in Jamaica & The Cayman Islands Board of Elders (2018–2020).

### Paulette Kerr

- Member, Board of Management of National Library of Jamaica
- Member, Standing Committee, European Conference on Information Literacy (ECIL)
- Member, Planning Committee ALISE 2019 Conference
- Member, UNESCO-UNAOC UNITWIN Chair on MILID.

**Faith McKoy-Johnson**

- Member of Central Health Research Repository Sub-Committee
- Member of Association for Learning Technology
- Member of Medical Library Association.

**Dunstan Newman**

- Jamcopy – Business Development Committee
- Editor, *Caribbean Library Journal*
- Justice of the Peace – St. Andrew.

**Rosemarie Runcie**

- Responsible for marking the **LIAJA School Section Category 1 Primary Schools Essay Competition**. This was successfully done and three winners emerged.

**Sandra Stubbs**

- National Judge, Jamaica Library Service National Reading Competition. Awarded August 24, 2018, for 15 years of service in this capacity.

**Karen Tyrell**

- Member, Library & Information Association of Jamaica (LIAJA).

**HONORS AND AWARDS**

Bernadette Worrell Johnson was awarded a scholarship to attend ALA's Rare Book and Manuscript Section's Annual 2019 Conference in Baltimore, Maryland in June 2019.







THE UNIVERSITY OF THE WEST INDIES  
MONA CAMPUS, JAMAICA, WEST INDIES