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

# DEPARTMENTAL REPORTS 2013-2014

THE UNIVERSITY OF
THE WEST INDIES

# DEPARTMENTAL REPORTS

## Mona

## 2013–2014

REPORT TO CAMPUS COUNCIL, MONA
AND TO COUNCIL
FOR YEAR ENDING JULY 31, 2014

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# Contents

**THE LIBRARY, MONA** ..... **1**

*Overview* ..... 2

**FACULTY OF HUMANITIES AND EDUCATION** ..... **23**

*Dean's Overview* ..... 24

Caribbean Institute of Media and Communication (CARIMAC) ..... 32

Department of History and Archaeology ..... 46

Department of Language, Linguistics and Philosophy ..... 58

Department of Library and Information Studies ..... 72

Department of Literatures in English ..... 88

Department of Modern Languages and Literatures ..... 102

School of Education ..... 119

**FACULTY OF LAW** ..... **139**

*Dean's Overview* ..... 140

**FACULTY OF MEDICAL SCIENCES** ..... **151**

*Dean's Overview* ..... 152

Department of Basic Medical Sciences ..... 166

Department of Child Health ..... 194

Department of Community Health and Psychiatry ..... 209

Department of Medicine ..... 238

Department of Microbiology ..... 253

Department of Obstetrics & Gynaecology ..... 264

Department of Pathology ..... 277

Department of Surgery, Radiology, Anaesthesia & Intensive Care ..... 294

The UWI School of Nursing (UWISON) ..... 313

**FACULTY OF SCIENCE & TECHNOLOGY .....325**
*Dean's Overview*.....326
Department of Chemistry .....334
Department of Computing .....350
Department of Geography & Geology .....360
Department of Life Sciences .....376
Department of Mathematics .....406
Department of Physics.....417
Mona School of Engineering .....427

**FACULTY OF SOCIAL SCIENCES .....437**
*Dean's Overview*.....438
Department of Economics.....449
Department of Government .....458
Department of Sociology, Psychology & Social Work .....470
Mona School of Business & Management .....490

**INSTITUTE & RESEARCH CENTRES.....503**
Caribbean Institute of Mental Health and Substance Abuse .....504
The Confucius Institute .....510
Earthquake Unit .....515
Electron Microscopy Unit .....523
Institute of Caribbean Studies/Reggae Studies Unit.....527
Institute for Gender & Development Studies (MCU) .....538
Institute for Gender & Development Studies (RCU) .....547
International Centre for Environmental & Nuclear Sciences .....561
Sir Arthur Lewis Institute of Social & Economic Studies.....574
The Biotechnology Centre.....597
The Hugh Wynter Fertility Management Unit .....608
The Natural Products Institute .....615
Tropical Medicine Research Institute (TMRI).....622

**WESTERN JAMAICA CAMPUS .....651**
*Overview* .....652

# THE LIBRARY

# Mona

## Year ending July 31, 2014

LEONA BOBB-SEMPLE

**BA** *Univ of Guyana*, **DipLib** *UWI*, **MLS** *SUNY, Albany*

**Campus Librarian**

# – *Overview* –

During the year under review the Library continued to focus on achieving the goals outlined in its strategic plan. New services such as the Halls of Residence Librarians programme; access to the Library's Courtyard for study and relaxation by users; staying in contact with users by means of social media: https://www.facebook.com/uwimonalibrary and the introduction of LIBGUIDES, a content management tool designed to provide users with access to research material, were all part of this year's thrust to improve library services. Collection development activities saw the addition of a number of significant donations to strengthen our special collection resources. The Library was fortunate to receive the collections of the renown West Indian and Jamaican playwright, Mr Trevor Rhone; The Duperly-Pink Stamp Collection dating back to 1947, which includes first day covers of West Indian stamps; The John P. O'Connell Collection of West Indian literary works comprising 860 titles, and the Jamaican poet, Dr. Ralph Thompson, donated his manuscripts as well as his poetry collection of over 300 titles. A collection of Taino artifacts was also donated by Ms Olivene Thomas. These were authenticated by archaeologist, Dr. Ivor Connolly. Even as we greatly value these additions, each posed a challenge for storage as the present Rare Book Room has long outgrown its storage capacity, but the West Indies and Special Collections staff have been inventive with devising solutions to the storage challenges.

We were overwhelmed by the substantial gift of resources from the IMF

Legal Library which arrived in October but quickly put plans in place to organize the sorting and storage.

The Law Library benefitted significantly throughout the year from other valuable donations which included, from His Honour Judge Michael Hopmeier's joint publication, *Millington and Sutherland Williams on the Proceeds of Crime* ( 4th ed. OUP 2013). Mrs. Suzanne Goldson, Deputy Dean at the Faculty of Law obtained 158 copies of books for the Law Library from the World Intellectual Property Office; the Legal Reform Department, Ministry of Justice, donated seven legal reference books; while The Honourable Mr. Justice B. Andrew Rattray, Puisne Judge of the Supreme Court of Jamaica, donated a set of *Cox's Criminal Law Case*s valued at approximately £4,000 sterling.

In June, by way of the Contribution Agreement for an Improved Access to Justice in the Caribbean Project between The UWI (Cave Hill Campus) and the Canadian Department of Foreign Affairs, Trade and Development (DFATD), the Library was informed that it would receive legal resources to the value of CA$180,000.00. Throughout the year, significant gifts in other disciplines were received from a variety of donors.

*Director of WJC Dr. Luz Longsworth (left) and Librarian, Sandra Stubbs (second left) receiving donation of Tourism related books to the WJC Branch Library from representatives of Maica Impact Ltd.*

The growth of content in UWIL*inC* provided faculty and students with a wide variety of print and e-resources. Unique titles in UWIL*inC* as at the end of the academic year numbered 1,548,233. There was a significant decline in the purchase of printed books over the previous year, but purchase and access to electronic books continue to increase. Collections in Nursing Education, Computer and Information Technology, Construction and Civil Engineering, Media and Communications, Sociology and Cultural Studies were augmented by 822 titles which will be shared with the other three campuses. Users at Mona also have access to packages in other disciplines purchased by the Alma Jordan Library and the Sidney Martin Library.

In the area of staffing a cadre of new librarians joined the staff to fill gaps created by the spate of retirements over the last five years. The Library also welcomed back the Law Librarian who resumed duties, having been on two years' leave to complete the LLB degree. The core competencies which librarians are expected to display were reviewed, and a team of librarians worked on establishing a list of core competencies for librarians working at the UWI Mona Library in the 21st century. In the area of outreach we sought to strengthen our relationship with other tertiary level institutions in Jamaica by offering a week-long workshop entitled: *Guide to the Research Process* aimed at improving the competencies of academic librarians, and we fostered the attachment of a librarian from the University of Guyana. The Library participated for the first time in National Library Week and observed its first Preservation Awareness Week in April. Attention was also paid to the financial health of the Library with renewed efforts being directed to the rationalization of journal/database subscription resulting in projected savings of US$182,284.87 for the academic year 2014/15. Unfortunately, throughout the year there were prolonged delays in the payment for serial subscriptions to the extent that many titles published during 2013–2014 were not supplied to the Library by vendors.

## ACCESS TO COLLECTIONS

The work of the Cataloguing Section progressed steadily during the period under review. Once again the emphasis was on the cataloguing of electronic resources and special collections. In order to maintain standards in the contribution of Name Authority records to the Library of Congress' NACO Programme and original cataloguing of West Indian material to OCLC, the new standard for cataloguing – Resource Description and Access (RDA), was introduced subsequent to various training programmes which cataloguers attended. The sectional targets set for last year saw the creation of metadata for UWI electronic theses, the cataloguing of special collections, and the ongoing work of cataloguing and linking other collections in the library.

### Library of the Spoken Word (LSW) Collection

As of September 2013 the collection of the LSW was transferred to the University Archives Unit at the UWI Regional Headquarters. However, the cataloguing of this collection continued in the Main Library. Since the start of this academic year 754 records were added to the OPAC and in July 2014, 346 call numbers were added to the records for CD-ROMs and audio cassettes.

### BBC Caribbean Archives

Access to the digital copies of the BBC Caribbean archives is available on the UWI institutional repository, UWISpace, while the physical copies of the collection were received at Mona this year, and are presently housed in the West Indies and Special Collections Section.

### Special Collections

Efforts to publicize special collections through the construction of finding aids and the mounting of exhibitions continued. The aim of this exercise was to highlight hidden collections and encourage departments to promote the use of these collections by students in their research activities.

Documents in a number of collections were sorted and themed for more detailed organization. Work continued on the Edward Seaga Collection with 59 citations and awards digitized, and a draft chronological list of 267 speeches (1979–2004) prepared. In addition, 150 files were described, catalogued and bar coded, bringing the total number of files organized to 747.

### Caribbean Law Resources (CARIBLAR) Database Development

In order to provide improved user access to Jamaican and West Indian legal material the Law Library continued to build the CARIBLAR Database which, by the end of the academic year, contained 9,614 records. This in-house database includes staff publications, subsidiary legislation, and articles from Caribbean law journals, reported judgments, unreported judgments and awards from the Industrial Disputes Tribunals.

### Use of Collections

Electronic collections are becoming the resource of choice for our users in all libraries. Users have become very selective and view specific pages or download chapters and articles which is more convenient than borrowing an entire printed book or journal. This trend which became evident in recent years has continued, with a reduction in the checkout of printed material and increases in the use of electronic resources as evident from the statistics. Marginal increases were seen in the borrowing statistics for the Medical and WJC Branch Libraries but decreases were reflected in the Main Library, and Law and Science Branch Libraries. Of the total student population, only 8,287 were active borrowers of printed material. Based on the statistics it can only be assumed that the others are using electronic material.

### Checkouts by Library

| Library | Overnight Loans | RBC 3 days Loans | Reading Room Loans | Open shelf Loans | Periodicals | Total |
|---|---|---|---|---|---|---|
| Law | 5,403 | – | 2,295 | 895 | 63 | 8,656 |
| Main | 19,490 | 1,982 | 5,584 | 15,626 | 1,451 | 44,133 |
| Medical | 954 | – | 1,522 | 1,400 | 108 | 3,984 |
| Science | 5,433 | – | 510 | 3,421 | 17 | 9,381 |
| WJC | 1,395 | – | 354 | 94 | – | 1,843 |
| WI&SC | – | – | 3,295* | – | – | 3,295 |
| **Total** | 32,675 | 1,982 | 13,560 | 21,436 | 1,639 | 71,292 |

*Issued in the Elsa Goveia Reading Room

## E-BOOK USAGE

Heavy usage was reflected in eBooks with some titles being consulted more than the printed versions have ever been consulted. This is a new area of statistics gathering for the Library and vendors provide the statistics in different ways ranging from page views to full-text downloads. The top ten books listed below are the ones most consulted according to pages viewed and the number of times consulted.

## TOP TEN EBOOKS

| Titles | # of times used |
|---|---|
| Inna the Dancehall: Popular Culture and the Politics of Identity in Jamaica | 305 |
| Public International Law | 260 |
| Commonwealth Caribbean Tort Law | 225 |
| An Introduction to Politics: Lectures for First Year Students | 191 |
| Confronting Power Theorizing Gender | 125 |
| Interrogating Caribbean Masculinities | 115 |
| Understanding Crime in Jamaica | 110 |
| Caribbean Security in the Age of Terror | 109 |
| Man Vibes: Masculinities in the Jamaican Dancehall | 57 |
| Slaves Who Abolished Slavery | 49 |

## DATABASE USAGE STATISTICS

A sample of usage of popular databases is provided below. The UWI Campus Libraries are still working with vendors to disaggregate statistics in instances where database was purchased jointly.

| Database Title | Searches | Full Text Downloads | Abstract Downloads |
|---|---|---|---|
| EbscoHost | 134,565 | 69,486 | 511,819 |
| ABI Inform | 128,519 | 63,486 | 15,290 |
| Proquest | 87,505 | 59,943 | 14,905 |
| SCIFINDER | 7.394 | 3.982 | – |
| **Total** | 357,983 | 196,897 | 542,014 |

## SERVICES

### Halls of Residence Librarians

A new initiative, the Halls of Residence Librarian (HRL) Programme, was launched in October 2013 and became the flagship activity of the Library throughout the year. Using the tagline "Bringing Your Library to You" this service was designed to facilitate first year students in overcoming the anxiety that is usually associated with using the library. In partnership with Hall Managers through the Office of Student Services and Development (OSSD), each hall of residence was assigned a dedicated librarian to provide assistance to the new students on all library-related issues. The programme was also extended to commuting students who accessed the service at the hall to which they are attached or at the Commuting Students' Lounge. The programme was strengthened by "Research Rescue" days during which students were:

*Students at the ABC Hall being assisted by their HR Librarian, Mrs Faith McKoy-Johnson*

- Assisted with navigating the library's online resources
- Offered advanced research assistance for individuals or study groups
- Given guidance with using citations styles (APA, Chicago, MLA, ACS & others) and citation management software (ENDNOTE)
- Supported through in-person consultations, email and chat use and ASKMONA.

Visits to the Commuting Students' Lounge took place every other week during the months that Research Rescue was conducted. While the mandate of the programme was to assist first year students, students from other years welcomed and utilized the service.

### RESEARCH GUIDES

Through the auspices of the Alma Jordan Library, the content management programme, LibGuides was introduced. The guides are particularly useful in bringing together information resources to help users in areas that support new course offerings. For example, at the WJC Branch Library a guide was prepared for the Digital Media Production which is unique to WJC. Liaison librarians prepared nine guides for publication at the end of the academic year. However, students also have access to the guides prepared by the librarians at the Alma Jordon Library and vice versa. All guides can be accessed at http://libguides.uwi.edu/.

### LIBRARY COURTYARD

The Library Courtyard off the Overnight Reading Room was made available for use by the Library's clientele. The Courtyard which is Wi-Fi enabled provides an additional area for relaxation, study, quiet cell phone conversations, and group discussion.

### INFORMATION LITERACY

The Library continues to strengthen its efforts to integrate information literacy training in the students' learning experience. Two hundred and

*Students using the Library's Courtyard*

seventy nine (279) group information literacy sessions were conducted throughout the year along with a number of one to one sessions in all libraries. One of the observations from all libraries is that even though sessions are offered during the days, nights, and weekends, only marginal increases are seen in participation, and maximum attendance is only being achieved if sessions are embedded in courses.

During the year, the Information Literacy coordinators/librarians from all four Campuses drafted an undergraduate course entitled *Fundamentals of Information Literacy* at the request of the University Librarian. The online/blended learning course which is based on the Information Literacy Standards for Higher Education developed by the Association of College and Research Libraries of the American Library Association explores the importance of information literacy, emphasizing the skills needed for conducting effective academic research. The course has been submitted to the University Librarian for review and submission to the Board for Undergraduate Studies.

## GRADUATE STUDIES

### Thesis Scrutiny

Mona Information Literacy Unit sustained its strong relationship with the Office of Graduate Studies and Research (OGSR) and provided assistance to postgraduate students through face-to-face and email theses

consultations. Face-to-face theses consultations outnumbered the number of theses sent directly from OGSR during the period. Sixty two (62) theses were sent to the Library from OGSR for scrutiny while eighty seven (87) sought the assistance of a librarian directly.

### EndNote Sessions

EndNote Workshops for graduate students were presented on the last two Thursdays in November 2013. These sessions were not well attended and may have benefited from more aggressive advertising as well as being scheduled for an earlier date during the semester. The Library sought to expose students to EndNote, however, by including sessions/modules in other Information Literacy instruction sessions during the year.

### Information Literacy Initiatives (Science Branch Library)

The Science Branch Library (SBL) conducted a number of training sessions which saw a marginal increase in the cohort of students reached. The SBL was able to embed Information Literacy in one additional postgraduate course: MSc Environmental Management.

### Information Literacy Initiatives (Law Branch Library)

Westlaw and Lexis database training sessions were delivered by the Law Branch Library. Some faculty members and 392 students benefitted from the training sessions. Students were also exposed to thirteen 1½ hour sessions of UWILinC training which was delivered from September 16–20, 2014. A total of 170 students and two new faculty members attended the sessions. Specially organized sessions were also offered during the second semester.

## PLAGIARISM AND OSCOLA TRAINING SESSIONS

Three two-hour *Plagiarism Literacy* lectures were facilitated by the Law Branch Library in March 2014. The 243 students who attended were exposed to *The UWI University Regulations on Plagiarism: First Degrees,*

*Diplomas and Certificates (rev. July 2012, UWI), Caselaw* cited from Caribbean and other jurisdictions, and *The Legal Profession (Canons of Professional Ethics) Rules in Caribbean Jurisdictions*. A survey done at the end of the sessions revealed that the sessions were welcomed and that most students were generally aware of plagiarism but had not seen or read the UWI Plagiarism Policy.

### INFORMATION LITERACY (MEDICAL BRANCH LIBRARY)

It is noteworthy that requests for Information Literacy sessions by the Faculty of Medical Sciences increased over the previous year with 26 sessions conducted in various courses including one session at the University Hospital of the West Indies. Two sessions were conducted for UWISON's Annual Research Internship for Health Researchers held on June 12.

The annual E-Resources Fair organized by the Medical Library continued to attract a number of students. This year's fair included a display of electronic resources, the discovery portal UWIL*inC*, virtual reference ASKMONA, as well as interactive presentations on ProQuest, Web of Science, and EndNote X7.

### INFORMATION LITERACY (WJC BRANCH LIBRARY)

The Western Jamaica Campus Branch Library sought to increase the reach of its information literacy activities by targeting the least served demographic which was identified as commuting students. With assistance from both the Commuting Students' Representative and the Office of Student Services and Development, contact was made with students through text messages. As a result, 454 students were provided with group information literacy sessions.

### OUTREACH AND ENGAGEMENT

Internship and volunteerism were actively encouraged during the year with the Library hosting four interns and three volunteers who worked

in various sections. Mrs Danniebelle Mohabir, a librarian from the University of Guyana, spent one week on an attachment to the Cataloguing Section. She was trained in the use of RDA. In her report she expressed gratitude to the Campus Library and cataloguing staff for facilitating her visit to the University.

### Denbigh Agricultural and Industrial Show

The Library showcased its services and relevant resources at the Denbigh Agricultural and Industrial Show on August 4–6, 2013. This provided the Library with an opportunity to highlight services and resources relevant to agriculture, including the TEEAL database developed by Cornell University to which the Library was gifted access.

### National Library Week

The Library celebrated Library Week from October 27 to November 2, which had as its theme "Your Story Matters". The Library promoted the profession of librarianship through poster presentations as well as talks by librarians to students from the Department of Library and Information Studies.

### Guide to the Research Process: Techniques for Empowering your Students

A two-day workshop entitled, *Guide to the Research Process: Techniques for Empowering Your Students* was held on January 8 and 9, 2014. The workshop was designed primarily for academic librarians who are involved in assisting students with the preparation of research papers. Featured topics included: critical analysis of information, detecting plagiarism and ethical issues, using plagiarism detection software (Duplechecker/Turnitin), citation referencing using citation builders (Word 2007 and EndNote), developing institutional policies, open access resources for research, using free online resources, as well as the use of social media as a marketing tool.

### Training Librarians from the National Library of Jamaica

In January 2014, the Cataloguing Section facilitated a workshop for librarians from the National Library of Jamaica (NLJ) in the MARC Bibliographic Format. This was in preparation for NLJ's system migration from WINISIS to OCLC's WorldCat Local. The presenter, Ms. Rosemarie Runcie, also touched on aspects of RDA.

### Preservation Awareness Week

For the first time, the Library celebrated Preservation Awareness Week. This was held in collaboration with the *Archaeological Society of Jamaica, 12th Symposium* "Caribbean Archaeology, Conservation and Material Culture" in the Multifunctional Room, Main Library, April 9–10, 2014. The Bindery staff led by the Preservation and Conservation Librarian, Mr Dunstan Newman, made presentations, hosted an Open Day, and mounted a well-received exhibition displaying various techniques for preserving library material, and conducted demonstrations of these techniques at the branch libraries.

### Collaboration with the Center for Excellence in Teaching and Learning, CETL Workshop

The Mona Information Literacy Unit participated in the Center for Excellence in Teaching and Learning's inaugural "Teaching with 21st Century Technology" Showcase Roundtable on April 15, 2014. The Unit presented on "UWILinC: Anytime, Anywhere Information Discovery." The roundtable sought to focus on the UWILinC online platform as a scholarly information search and teaching tool and its role in improving information literacy at the UWI Mona. The presentation was well received and feedback was garnered on the current use and usability of the UWILinC platform by staff and students.

### Training Policemen at the National Police College, Twickenham Park

Mrs. Pauline Nicholas and Miss Jessica Lewis conducted a training

session at the National Police College, Twickenham Park, on July 30, 2014. Staff and students benefitted from the presentation and hands-on session entitled: "Search Strategy and Using UWILinC".

### Exhibitions

Three major exhibitions were mounted by the Library during the academic year, while older exhibitions on Richard Hart and Stuart Hall were loaned for remounting by the African Caribbean Institute/Jamaica Memory Bank at their special tribute to Richard Hart, and the Stuart Hall Exhibition was remounted at the Caribbean Studies Association 39th Conference, held in Mexico in May 2014.

Exhibitions were mounted on:

- Professor Rupert Lewis to coincide with the Conference organized by the Department of Government in his honour;
- John Hearne to publicize the John Hearne Collection, the associated finding aid, and the publication of his biography;
- Campus Principal, Professor Archibald McDonald to mark his inauguration. This was a travelling exhibition which was remounted in all the branch libraries on the Mona Campus and at the WJC Library during the academic year.

## STAFF DEVELOPMENT

The Customer Service team led by Dr Sasekea Harris organized two presentations to staff members. The presentations were given by Mr David Geddes, Vice President, Marketing and Communications, National Water Commission. He spoke about customer service excellence in two sessions held in September. The Customer Service team also conducted training sessions on telephone etiquette and provided a telephone checklist card to all sections. Customer Service certificates were presented to five deserving staff members at the Annual Christmas Party.

Rosemarie Runcie and Karen Tyrell attended the Resource Description and Access (RDA) workshop at the Alma Jordan Library, the University

of the West Indies, St. Augustine, Trinidad, from January 20–22, 2014. The workshop was conducted by Mrs. Fay Austin from Rutgers University. Throughout the year staff members continued to be trained through the NVQ Level 1 Data Operations Training and Certification Programme, a UWI/HEART Trust initiative. Ms Tanya Manassi attended the Project Proposal Writing Workshop held by the Mona Office for Research and Innovation (MORI) in May; while two members of staff, Ms Myrna Douglas and Mr Kwesi Grant, were facilitated by the Faculty of Law to attend the WIPO Academy/UWI/JIPO Summer Institute held in June at the Faculty of Law.

A team of librarians led by Mrs Karlene Robinson prepared a list of core competencies which librarians are expected to display. This was discussed and accepted by librarians at Mona and shared with the other Campus libraries.

## PAPERS PRESENTED

**Rochelle Davis**

- "Electronic Resources: Collection Development Strategies." The JAMLIN (Jamaica Libraries and Information Network) Seminar. National Library of Jamaica, October 31, 2013.

**Myrna Douglas**

- "The Caribbean Law Librarians and Their Many Roles and Responsibilities, Opening Presentation to the 29th Annual Conference and General Meeting of the Caribbean Association of Law Libraries (CARALL)." Rex Resorts, St. Lucia, July 7, 2014.

**Maureen Kerr-Campbell**

- "Using the Past as Building Blocks for the Future: Library 'Gems' and Electronic Access." Harnessing Information for National Development. Library and Information Association of Jamaica (LIAJA) & Planning Institute of Jamaica (PIOJ) Conference. Kingston, Jamaica. January 30–31, 2014.

**Maureen Ker-Campbell**

- "Preservation Practices" The UWI Library at Mona: Digitization – A Technical Paper", Caribbean Archaeology, Conservation and Material Culture" 12th Symposium of the Archaeological Society of Jamaica. Multifunctional Room, Main Library, April 9–10, 2014.

**Jessica Lewis**

- "Information Literacy, Social Empowerment and National Development." Harnessing Information for National Development. Library and Information Association of Jamaica (LIAJA) & Planning Institute of Jamaica (PIOJ) Conference. Kingston, January 30–31, 2014.

**Tanya Manassi**

- "Conserving Caribbean Popular Culture: Incorporating Accumulations of Hobby Collectors into established Special Collections." 12th Symposium of the Archaeological Society of Jamaica. "Caribbean Archaeology, Conservation and Material Culture" Multifunctional Room, Main Library April 9–10, 2014.
- "Making a Special Collection More Visible Using Archivists' Toolkit". Paper presented at The Academic Libraries Special Interest Group Meeting, 44th Annual Conference of ACURIL, Nassau, Bahamas, June 11, 2014

**Karlene Nelson**

- "Preserving Cultural Heritage: The John Hearne Collection at the University of the West Indies Library, Mona Campus". 12th Symposium of the Archaeological Society of Jamaica, "Caribbean Archaeology, Conservation and Material Culture" Multifunctional Room, Main Library, April 9–10, 2014.

**Pauline Nicholas and Sasekea Harris**

- "Literacy 4D @ Your Library: IFLA Market @ Your Library" IFLA WLIC Conference. Suntec Convention Centre, Singapore. August 18, 2013.

**Frances Salmon**

- "Prime Ministerial Collections at the UWI Mona Library". Caribbean Archaeology, Conservation and Material Culture. 12th Symposium of the Archaeological Society of Jamaica. Multifunctional Room, Main Library, April 9–10, 2014.
- "A Brief Guide to the Hidden Literary Manuscripts at The University of the West Indies, Mona". Diasporic Literary Archives Workshop, Port of Spain, Trinidad and Tobago, March 24–26, 2014.

**Karen Tyrell**

- Poster presentation: "Literacy4D@Your Library Campaign" 79th IFLA World Library and Information Congress, August 17–23, 2013. http://conference.ifla.org/past-wlic/2013/poster-sessions.html

## PUBLICATIONS

### Book Chapters

**Sasekea Harris**

- "Application of Cutting Edge Technologies in an Academic Cataloging Department: Linking Classroom with Practice" In *Cutting Edge Technologies and Academic Librarianship*. Ed. By Anna Kaushik and Nirmal Kumar Swain. New Delhi: Ess Ess Publications, 2014, 30–44.

**Cherry-Ann Smart and Christina Stewart-Fullerton**

- "Exploration of an e-Resources Consortium in Jamaica: An Initial Examination and Tentative Suggestions for the Future." In *Mergers and Alliances: The Operational View and Cases*. Ed. By Anne Woodsworth and W. David Penniman Bingley: Emerald Group Publishing Limited, 2014, 243–268. DOI 10.1108/S0065-2830(2013)0000037015

**Refereed Journal Articles**

**Sasekea Harris**

- "Librarianship and Culture: Social Change in Post-colonial Jamaica". *SALALM Papers*. 57 (2014): 184–199.
- "Enhancing Awareness of Science, Technology, Engineering and Mathematics (STEM) in Academic Libraries: a Jamaican Case Study". *IFLA Journal* 39, 3 (2014):251–261.
- "The Role of the UWI Mona Libraries in HIV/AIDS Information Access and Dissemination". *West Indian Medical Journal* 62, 4 (2013): 342–345. Also available online: http://myspot.mona.uwi.edu/fms/wimj/vol-62-issue-4-hivaids-2013 OR: dr_sasekea_the_role_of_the_uwi_mona_libraries_in_hiv_aids_information.pdf
- "Agricultural & Food E-Resources Usage at the University of the West Indies (UWI) Mona Campus". *Information World Journal* 14, 1(2013): 141–162. Also available online: http://www.bd.org.tr/index.php/bd/user/setLocale/en_US OR: http://www.bd.org.tr/index.php/bd/index

**Maureen Kerr-Campbell and Frances Salmon**

- "Constitution and Enrichment of the Cousins Hereward Postcard Collection at The University of the West Indies Mona Library: Lessons learned. *Journal of Electronic Resources Librarianship*, 25, 3(2013): 192–200.

**Karlene Nelson**

- "Exploring the Use of Text Messaging to Enhance Reference Services at The University of the West Indies Library, Mona Campus." *Caribbean Library Journal,* 1,1 (2013): 1–18.

**Olivene Thomas, Stanford Moore and Dunstan Newman**

- "Mentor-Mentee Dyads: Determinants of Successful Tacit Knowledge Transfers." *Journal of Psychology and Behavioral Science*. 2, 1. (2014) www.aripd.org/jpbs.

**Karlene Robinson and Verna George**

- "Information Literacy through E-Learning: A Case Study of IL Training of Undergraduates at the University of the West Indies, Mona. *Caribbean Library Journal*, 1,1 (2013) 48–73.

**Cherry Ann Smart and Dunstan Newman**

- "Re-purpose and Re-design: Innovating at The University of the West Indies, Mona Campus. Focus on International Library and Information Work." July, CILIP. (2014).

## MEMBERSHIP IN PROFESSIONAL BODIES

**Sasekea Harris**

– Member, Research & Publications Working Party, Library and Information Association of Jamaica (LIAJA).

**Jessica Lewis**

– Member, Editorial Board – *Caribbean Library Journal*. The UWI, St. Augustine.

**Dunstan Newman**

– Committee Member, Licensing and Business Development Committee Board of theJamaica Copyright Licensing Agency (JAMCOPY).

– Member, Editorial Board, *Caribbean Library Journal*. UWI, St. Augustine.

**Pauline Nicholas**

– Member, Orientation Committee of the International Relation Roundtable of the America Library Association

– Member, Sister Libraries Committee, American Library Association.

**Karlene Robinson**

– Chief Examiner, Principles of Business, Caribbean Examination Council.

**Cherry-Ann Smart**

– Member, Friends of the Kingston & St. Andrew Parish Library.

**Sandra Stubbs**

– Judge, Jamaica Library Service National Reading Competition and Adjudicator, TVJ's televised Quiz Finals.

– Distinguished President, Kiwanis International.

– Member, Kiwanis Club of St. Andrew, and Kiwanis Club of New Falmouth.

– Member, College Libraries Information Network (COLINET) Academic Section Working Party of the Library & Information Association of Jamaica (LIAJA).

**Karen Tyrell**

– Member, Editorial Advisory Board, New Library World Emerald Group Publishing Limited, 2014.

## HONOURS AND AWARDS

**Sasekea Harris**

– Winner of Essay Competition for Latin America Region Academic & Research Libraries (2013) to attend IFLA held in Singapore.

**Tanya Manassi**

– Certificate of Excellence for Paper presented at the 44th ACURIL Conference held in the Bahamas, June 2014.

**Pauline Nicholas**

– EBSCO ALA Award to attend the ALA Midwinter Meeting January 2014 held in Philadelphia, Pennsylvania.

# FACULTY OF HUMANITIES AND EDUCATION

## Mona

Year ending July 31, 2014

SWITHIN WILMOT

BA *UWI*, DPhil *Oxon*

Dean



Back to Table of Contents

# – *Dean's Overview* –

The Faculty of Humanities and Education maintained its commitment to the major goals of the 2012–2017 University Strategic Plan and pursued initiatives within the resource constraints.

## TRANSFORMATIONAL ACADEMIC INITIATIVES

In support of the Single Virtual University (SVU), the School of Education (SOE) in January 2014 initiated the delivery of the special Maters of Arts in Teaching – Part I programme (Graduate Diploma in Education) to four sites, Bermuda, Mona, St. Lucia and Western Jamaica Campus, concurrently. The programme proceeded smoothly and is a model that will encourage other departments to explore the SVU initiative.

The SOE and the Joint Board of Teacher Education (JBTE) energetically embraced the initiative from the Ministry of Education and the Office of the Vice Chancellor for the award of UWI Bachelor of Education (B.Ed.) degrees for programmes of the Teachers' Colleges of Jamaica in the following specializations: Early Childhood Education, Primary Education, Special Education, School Counselling, and Secondary Education in the following areas: Business Studies, Computer Studies, English, Geography, History, Human Ecology, Mathematics, Modern Languages, Physical Education, Religious Education, Science (Biology, Chemistry and Physics) and Social Studies. The SOE and the JBTE participated in the detailed review of the several courses and programmes

which subsequently gained approval at the level of the Faculty, Campus and University. It is anticipated that the first awards of degrees will be made to the cohort graduating from the teachers' colleges during the 2014–2015 academic year.

## TEACHING, LEARNING AND STUDENT DEVELOPMENT

Curriculum Reform and Renewal remained the collective focus of the Faculty which is determined to preserve UWI's reputation as an institution of higher learning dedicated to the attainment of the human potential of its students. Indeed, the Faculty underscored the relevance of the humanities by the following initiatives that enhanced and expanded its undergraduate program and course offerings:

- The Caribbean Institute of Media and Communication (CARIMAC) developed new Bachelors of Fine Arts programmes in Animation and Film Production.
- The Department of History and Archaeology revamped the major in Africa and African Diaspora Studies and revised the BA in History and Heritage Studies.
- Four new Minors were designed and approved: Caribbean Sign Language Interpreting, Cultural and Creative Industries, Japanese and Reggae Studies, respectively.
- Overall, twenty six new courses and six amendments to existing courses, reflecting the several disciplines in the FHE were approved.

## TURNING OUT THE IDEAL UWI GRADUATE

Internships and other out of classroom learning experiences, locally, regionally and internationally were integral to the students' exposure and training in the following programmes: Archaeology, Education, Entertainment and Cultural Enterprise Management, Integrated Marketing and Communication, Journalism, Library Studies and Modern Languages.

In keeping with the goal of the Strategic Plan to produce graduates

capable of oral communication in English and with communication skills for the world of work, the Language section of the Department of Language, Linguistics and Philosophy launched new courses in Critical Reading and Writing that distinguished between students in programmes in Humanities, Education, Social Sciences and Gender Studies, and Science & Technology and Medical Sciences. Significantly, a new year-long six-credit Foundation course for students unable to demonstrate a sufficient level of English language proficiency for academic success was taught for the first time in 2013/14.

Undergraduate registration declined by 6 per cent (127) when compared to the previous year. Both financial difficulties and increased access for Jamaican students to the Faculties of Law at Cave Hill and Mona affected intake, since in the past several students entered the humanities when entry to Law was more restricted.

### MANAGEMENT, QUALITY AND CONDUCT OF GRADUATE PROGRAMMES

The faculty maintained the commitment to enhance graduate studies.

- Three new Graduate Programmes were developed for implementation in the 2014/2015 academic year: Speech Language Pathology, Media Management, and Integrated Marketing Communication. A fourth, Higher Educational Management, remains under active consideration.
- New initiatives for blended learning in existing graduate programmes were adopted with the redesigning of the Master of Library and Information Studies (MLIS) and the Master of Arts in Library and Information Studies (MALIS) for multi modal delivery. In addition to the SVU activity mentioned above, the SOE initiated a special online delivery of the MPhil/PhD programme under arrangements for UGC-funded programmes, and approval is awaited for its delivery as part of the non-UGC funded Summer and Online Programme of the SOE.
- Two dormant graduate programmes were revived and revamped: the MPhil/PhD in Library and Information Studies and the MA in

Translation delivered by the Department of Library and Information Studies and the Department of Modern Languages and Literatures, respectively.

- In collaboration with the Office of Graduate Studies and Research, the faculty put on a highly successful conference for graduate students in November 2013. Themes addressed included academic regulations and funding sources for graduate students, research processes, research supervision and the reporting of research findings.
- Graduate students in the Department of History and Archaeology benefitted considerably from the presence of UWI and Australian National University Emeritus Professor Barry Higman who was a Visiting Professor for semester 2. He conducted seminars in the MA Heritage Studies programme, conducted workshops on the Writing of the Research paper for MA students, and met individually with MPhil and PhD students to discuss thesis writing. On 28 February 2014, Professor Higman presented on "The Demography of Slavery" in the weekly Staff/Graduate seminar series.

The new intake of graduate students (312) for the period under review represented an increase of 16 per cent over the previous year's figure (268). However, the overall total of graduate students (1047) for 2013/14 marginally increased over the previous year (1039). In the present financial pressures, the trend is being reversed and as of October 9, 2014, the new intake (217) reflected a decline of 30 per cent over the period under review.

Eight students were awarded PhDs, down by 50 per cent over last year's unusual high of 12, but well in keeping with the overall average trend over the preceding five years.

## RESEARCH AND INNOVATION

The scholarly production outlined in the various departmental reports indicates that the faculty has sustained its reputation for quality research.

The following represent research in the period that was funded under the

Campus' Research Fellowship and Special Initiatives Programme.

- Evaluation of the implementation of science curricula in Jamaican primary and secondary schools
- Understanding Teacher Behaviour and Practice in Jamaica
- In Search of the Innovative Teacher of CSEC English A
- Media and Information Literacy Levels at the Exit Stages of the Education System in Jamaican Schools
- Modelling Speech and Writing in the University Science Classroom.

Further, the following areas were awarded fellowships or multidisciplinary/cross faculty Grants from the Campus Research Committee. Research in some cases commenced immediately and others will be pursued during 2014/15:

- Village-Communities, Power, and Tradition in Equatorial Guinea, 1900–1968
- Participation in organized sports and its effect on delinquency in Jamaica and Barbados: an examination of Hirschi's social control theory
- An evaluation of the efficacy of INSIGHTS (psycho-education intervention) in enhancing academic skills and improving behaviour
- Sign Language dialectology in CARICOM member states.

## NATIONAL ENGAGEMENT AND OUTREACH

The faculty maintained its national profile with departments mounting conferences, public lectures, symposia and collaborated with public agencies in the furtherance of developmental policy. Specific mention is made of the following:

- Several departments organized workshops on the Campus and in Western Jamaica for teachers and students in support of the respective CSEC/CAPE syllabi.

- The Department of Literatures in English organized two 5-week *Creative Writers' Workshop, a Poetry Writers' Worksho*p and a *Three-Week Speech Writing Workshop.*
- CARIMAC facilitated the growth of the Animation sector in Jamaica and the Caribbean by enrolling new certificate students in Animation programmes at both Mona and WJC. The programme in 2D Animation was the first of its kind in the region.
- The Institute of Caribbean Studies (ICS), in support of Intellectual Property week in April 2014, collaborated with the Jamaica Intellectual Property Office (JIPO) to host a seminar on Intellectual Property Management in the Cultural and Creative Industries.
- The Department of History and Archaeology's graduate programme in Heritage Studies assisted the Military Museum, Up Park Camp, in the documentation of the history of the Jamaica Defence Force and assisted with research for an exhibition to commemorate the centenary of the outbreak of World War I. The Department's Social History Project was also engaged in developing the Jamaica Fifty Time Capsule project under the Ministry of Youth and Culture.
- The Department of Library and Information Studies (DLIS) and the Council of Community Colleges in Jamaica (CCCJ) held advanced discussions towards articulating the Associate Degree in Library and Information Studies with the DLIS degree programme.
- The School of Education (SOE), in collaboration with Operation Save Jamaica, organized a two day symposium at the Mona Campus on *Changing the Landscape of Education with Under-Resourced Urban Schools.* One hundred and twenty-three persons from a range of entities, including teacher training institutions, the Jamaica Teachers' Association and the Ministry of Education, as well as from overseas, participated.
- The SOE hosted its annual Forum on Education under the theme The Implementation of Science, Technology, Engineering and Mathematics (STEM) Education: Opportunities and Challenges, at the Western Jamaica Campus. School principals, teachers and students

from high schools, as well as officials from the Ministry of Education and persons from the business sector in the western region of Jamaica attended.

## REGIONAL AND INTERNATIONAL COLLABORATION

The faculty developed and/ or sustained initiatives which brought important regional and international visibility to the UWI and to the Mona Campus as follows:

- Several colleagues in the Faculty continued to support the Caribbean Examinations Council's CSEC and CAPE examinations by serving on Subject Panels and as Chief and Assistant Chief Examiners in the faculty's respective disciplines.
- With the support of UNESCO, the Department of Library and Information Studies (DLIS) made significant progress in its strategic objective to develop a program in Archives/Records Management. The DLIS convened a meeting in September 2013 of a team of experts led by Professor Jeannette Bastian of Simmons College, USA, and included archivists from the UWI campuses, the Government of Jamaica, the Caribbean Regional Branch of the International Council on Archives (CARBICA) and the International Council on archives (ICA) Section of Archival Education and Training. As a result, a preliminary programme in Archives and Records Management was developed and is slated to begin September 2015.
- February 2014 marked the official milestone of five years for the UWI Confucius Institute and during that month a delegation from China visited the campus and discussions were held on the construction of a Confucius Institute building to house expanded offices, exhibition areas and classroom spaces. Further strengthening of the links with China came about when in May. Professor Lu Shaogang, Chinese Director of the Confucius Institute took a team of nine high school principals to China where they engaged in discussions with Chinese educators and visited important cultural sites.

- The School of Education (SOE) signed an agreement between New York University (NYU) and the SOE giving the SOE legal rights to disseminate NYU's *INSIGHTS into Children's Temperaments* programme in Jamaica. This came about with the collaborative work of Professor Sandee McClowry (NYU), Fulbright Scholar, and Dr. Loraine Cook (SOE), who have completed the first stage (Stage 1) of the *INSIGHTS* intervention in three schools, namely, Central Branch, Alpha and John Mills Infant and Primary Schools. Funding of a total of JA$30 million have been secured from the Culture, Health, Arts, Sports and Education (CHASE) Fund over three years.
- The SOE, through the initiative of Dr Lorna Down collaborated with the London South Bank University (LSBU) that proposed and was successful in gaining five Commonwealth scholarships for Caribbean students in its Distance Learning Master's programme. This is the first time that such scholarships were awarded to Caribbean students. The LSBU is one of the first UK universities to offer Education for Sustainability and has been teaching and researching in this area since 1994. It is hoped that the collaboration between UWI and LSBU will continue and that next year will see the awards of more scholarships to Caribbean nationals.

## AWARDS/HONOURS

**Emeritus Professor Sir Roy Augier** was awarded the Order of Jamaica (OJ) for his service to History Education locally and regionally.

# CARIBBEAN INSTITUTE OF MEDIA AND COMMUNICATION (CARIMAC)

**Professor Hopeton S. Dunn**, PhD *City Univ., Lond.*
**Director**

## OVERVIEW

CARIMAC has enjoyed a very successful academic year 2013–2014, marked by growth in student numbers, curriculum expansion and institutional reform. During the academic year, CARIMAC continued to engage in a wide range of academic, professional and public-interest activities that have raised the profile of the Institute, the Faculty and the University, and improved the morale and output of our staff and students.

Operating under a mandate for institutional reform towards the creation of the Caribbean School of Media and Communication, despite challenges, the Institute made important strategic gains towards institutional reform and in improving teaching and learning. CARIMAC obtained Campus approval for four new Degree Programmes, four new posts, acquired additional space for teaching and expanded our WJC presence.

## WORK OF THE DEPARTMENT

### Existing Programmes

Up to 2012–2013 CARIMAC offered three Undergraduate programmes: BA Integrated Marketing Communication, BA Journalism and BA Digital Media Production (WJC). We also offered two Graduate programmes: MA in Communication Studies and MA in Communication for Social and Behaviour Change. Qualified students may also pursue the MPhil/PhD programmes as part of our graduate programmes. We also offered certificate programmes in Animation, Technology-related courses and career development skills for the media sector.

### New Programmes

During the academic year 2013–2014, the following four new programmes were approved: BFA Animation and BFA Film Production and at the Masters level: Integrated Marketing Communication and Media Management (in association with MSBM). These programmes will be introduced in 2015. A fifth programme: MA Emerging Media is in the final stages of internal preparation for submission. All of the new programmes will be self-financing, including, for the first time, undergraduate programmes in Film and in Animation.

### Diploma Programme

The long standing CARIMAC Diploma Programme was not offered during this academic year because it was being considered for review, to fit into the new undergraduate curriculum. It is however. expected to be offered again in the 2014/2015 academic year. It will continue to be offered with new marketing initiatives both in Jamaica and in the Eastern Caribbean region.

### CARIMAC Animation Programme

In the year under review CARIMAC facilitated the growth of the Animation sector in Jamaica and the Caribbean by enrolling new certificate students in our "Animate Jamaica" programme offered at both

Mona and WJC. The programme in 2D Animation is the first of its kind in the region.

The Institute had the graduation ceremony for its first cohort on February 8, 2014 for the Mona Campus group and February 13, 2014 for the WJC group. A total of 43 students graduated.

A second cohort of 45 students (25 at Mona and 20 at WJC), was enrolled and has since completed their studies. This now brings to 88 the total number of students expected to graduate in 2014 from this programme. A further 20 Animation students will be enrolled in a new 3D Animation course at CARIMAC during the latter part of 2014. The Institute will also introduce, for the first time, a course in Game Design and Development, with the prospect of this becoming a minor.

**Staff Movements**

In the year under review, there were only a few staff changes. Dr. Canute James concluded his post retirement contract and joined the Institute's part-time staff 2014–2015. Mr. Joseph Martin, Administrative Assistant in the Graduate Programmes Unit resigned.

**Workshops and Training Courses**

In January 2013, the Institute delivered video production training to seven (7) representatives of the Rastafarian and Maroon communities in the second phase of the World Intellectual Property Organization's Creative Heritage Project on Cultural Documentation and Intellectual Property Management of Indigenous and Local Communities. This training was done in collaboration with the Jamaica Intellectual Property Office and led by CARIMAC's part-time lecturer, Mr. Franklyn St. Juste.

**Mona ICT Policy Centre**

As part of an agreement between MSBM and CARIMAC, the Mona ICT Policy Centre (MICT) will be transferred from MSBM to CARIMAC

by January 2015. This will further enhance CARIMAC's capacity for ICT research and outreach. Arrangements for this transition progressed successfully during the year under review.

### Logistics Hub 101 Seminar

CARIMAC hosted a three-hour training session on the Logistics Hub and its projected needs in Communications and ICT. The seminar presentations were led by the Ministry of Industry, Investment and Commerce, in association with the Caribbean Maritime Institute. It was held on Thursday, February 13, 2014 in CARIMAC's main building. The presentation was well received. Students showed keen interest in the potential of this major national project to offer new career options for them and their peers.

### ArtUpDown Town

As part of its public outreach and support for development of downtown Kingston, the Institute participated in a project developed with Studio 174 aon West Street. The Institute's Director, Professor Dunn, and its long-standing video production lecturer, Mr. Franklyn St. Juste, participated in the official opening and exhibition held on Friday, February 14, 2014. CARIMAC awarded one scholarship to a member of the West Street project, to participate in our Animation Programme – 'Animate Jamaica'. A group of nine CARIMAC students also worked with the ArtUpDown Town project for several months and presented a video production at the event. This collaboration is expected to be a continuing feature of our outreach and Internship Programmes.

### Distinguished Lectures

CARIMAC's final year Integrated Marketing Communication students hosted the fourth annual Aggrey Brown Memorial Lecture on April 10, 2014 in an impressive ceremony at the UWI Undercroft. The lecture was held under the theme, *"Media and Tourism: A Fi Wi Business"* and the Guest Speaker was Mrs. Evelyn Smith, then President, Jamaica

Hotel and Tourist Association. In attendance were Suzanne Francis Brown, Professor Brown's widow, leaders of the tourism sector nationally and senior UWI and CARIMAC staff.

The Tourism Village created by students on the adjacent lawns to the Undercroft had over 10 exhibitors displaying tourism products in tents. This gave the event an exciting and entrepreneurial appeal. Presiding at the launch of the event was the Spanish Ambassador, Her Excellency Mrs. Celsa Nuño, as well as Mr. Joel Nomdarkham, the Prime Minister's Youth Awards Nominee for 2013.

**Launch of the Arnold Foote Foundation Scholarship**

The local firm, Advertising and Marketing Jamaica Limited partnered with CARIMAC under the terms of a Memorandum of Understanding to launch the Arnold Foote Foundation Scholarship at CARIMAC on April 14, 2014. Three scholarships totaling $1,050,000.00 were awarded to CARIMAC students.

**CARIMAC Open Week 2014**

CARIMAC's Open Week was successfully held during the week starting April 28, 2014. This is an annual event which showcases the most outstanding work of the final year students and the research output of the Institute.

Several industry leaders in media, PR and Marketing attended and addressed current students or reviewed student productions.

**CARIMAC Times 2014**

One highlight of CARIMAC Open Week was the May 1 launch of CARIMAC Times 2014, produced by the final year students interested in a print media career. External reviewers felt that the high quality of this year's magazine was an indication of the ability of students to perform at industry professional levels. The launch, which was held under the theme *'RENOVATIO'*, took place on the lawns of CARIMAC

with six (6) major display booths by outside exhibitors and a live radio outside broadcast. The guest speaker was Mr. David Mullings, CEO and founder of RealVibez Group and co-founder of Keystone Augusta. The event was very successful.

## CARIMAC WJC

CARIMAC's programmes at WJC continue to represent the Faculty's major contribution to the offerings at the Western Campus. In the absence (on leave) of Mr. Patrick Prendergast, temporary co-ordinator, Mr. Steffon Campbell continued to manage CARIMAC's programmes there with active guidance from the WJC Campus Director, Dr. Luz Longsworth, and CARIMAC's Director. Two degree programmes are offered there, Integrated Marketing Communication (IMC) and Digital Media Production (DMP).

There continues to be significant progress. Many successful public events were hosted by CARIMAC WJC. In addition, four of the 13 awards for academic achievement (performance) in the Faculty of Humanities and Education went to CARIMAC WJC students. The CARIMAC WJC Communication Analysis and Planning (CAP) class of 2014 embarked on a project titled *'Parenting in Childhood'* geared specifically towards young parents between the ages of 12 and 17. The team conducted baseline research at the Women's Centre of Jamaica Foundation, Montego Bay and focused on teen mothers.

On March 11 and 18 respectively, the WJC CAP team hosted two practical and motivational workshops at the Women's Centre to empower and educate teenage mothers. A closing ceremony was held on March 26, 2014 in Montego Bay. The participants, along with various stakeholders, were in attendance. The '*Parenting Begins with Children'* handbook was printed and distributed to all 25 mothers who participated in the *'Parenting in Childhood 'Project*. This is a full colour 32-page note book size guide.

### Staff Research and Publications

Deliberate efforts are underway to increase the output of academic research and publications at CARIMAC. A series of seminars led by the Director were held in-house to stimulate output. In 2013/14 the academic staff made fourteen (14) academic presentations at conferences and completed eleven (11) published works. This was a significant improvement on the preceding year, and comes in the context of a sustained effort to drive upwards both the quantity and quality of research publications out of CARIMAC.

In the 2014 Research Day Awards, CARIMAC's Lecturer, Dr. Livingston White received an award for "Best Research Publication (Journal Article)". This was for an article written on the topic: "Pinch, Leave an Inch and Roll: Applying the Communication-for-Behavioural-Impact (COMBI) Approach to the Promotion of Proper Male Condom Use in Jamaica." The work was co-authored with Lovette Byfield, CARIMAC part-time lecturer, along with Roshane Reid and Sannia Sutherland of the Ministry of Health's National HIV/STI Control Programme. The article was published in a Caribbean Quarterly special issue edited by Corinne Barnes and June Barbour.

Dr White also received the FHE award for "Research Project with the Greatest Business/Economic/Development Impact". The project was a "Report on Climate Change Knowledge, Attitudes and Behavioural Practices Survey in Jamaica". It was commissioned by the PIOJ through World Bank funding and was co-authored with Dr. Maria Protz. Dr. White acknowledged the support he received from a team of CARIMAC staff members.

## CARIMAC'S 40TH ANNIVERSARY

In 2013–2014 CARIMAC established a number of sub-committees to assist in its preparation to celebrate its 40th Anniversary in 2014–2015. Planning has been progressing well.

## PAPERS PRESENTED AT INTERNATIONAL ACADEMIC CONFERENCES

- **Dunn, Hopeton** (July 16, 2014) "Stuart Hall: The Interventionist and Organic Intellectual" International Association for Media and Communication Research (IAMCR), Hyderabad, India.
- **Dunn, Hopeton** (March 25, 2014). "CARIMAC's Role in Digital Education" Commonwealth of Learning (COL) Regional Stakeholders' Meeting, Hyatt Regency Trinidad, Port of Spain.
- **Dunn, Hopeton** (December 14, 2013) "Jamaican Music and the "Click Economy".
- Global Congress: Open Business Models and the Click Economy: Emerging Artistes and the Digital Future, Cape Town, South Africa.
- **Dunn, Hopeton** (2013) "Something Old, Something New… WikiLeaks, Newspapers, and Conjoint Approaches to Political Exposure." International Association for Media and Communication Research (IAMCR), Dublin, Ireland.
- **James, Canute** (May 2–3, 2014). "Ethical Journalism as a Tool for Development". World Press Freedom Day Conference. UNESCO/ International Press Institute/Caribbean Broadcasting Union/Association of Caribbean Media Workers. Kingston, Jamaica.
- **Barnes, Corinne** (2013). "Teaching Journalism in the Age of Social Media: The Jamaican Experience". International Association for Media and Communication Research (IAMCR) conference in Dublin, Ireland.
- **White, Livingston** and Leo Douglas (July 13–16, 2014). "Reducing consumer demand for high-value wildlife products – what social marketing has to offer!" 2014 North America Congress for Conservation Biology (NACCB), Missoula, Montana.
- **Leo Douglas** and **Livingston White** (July 13–16, 2014). "Naming, Blaming, and Framing: What the criminalization of Dominica's Imperial Parrot teaches us about Conservation Flagships". 2014 North America Congress for Conservation Biology (NACCB), Missoula, Montana.

- **White, Livingston** and **Mortilaine Riley** (March 30–April 1). "Learning is a just click away: A case study on the effectiveness of using student response systems (clickers) in higher education". Turning Technologies 2014 User Conference, Las Vegas, Nevada, USA.
- **White, Livingston** (2014). "Charting the Course of Communication Studies the English-speaking Caribbean: Disciplines, Developments and Future Directions." Inaugural Human Communication Studies International Conference, Institute of Critical Thinking, University of the West Indies, St. Augustine Campus Port of Spain, Trinidad and Tobago.
- **White L, Cook L, Henderson A, Rowe Y & Barnes C, Bravo O** (June 27–29). "Informing Media Regulatory Issues: Applying Multimethod Approaches" Inaugural Mixed Methods International Research Association, Boston College, Chestnut Hill, MA, USA.
- **McNaughton M, Baker V** and **Soutar D** (2014) "Code for the Caribbean: Data, APIs, Livestock". US-Africa Leaders Summit: Africa Open Data Jam – Washington DC, USA.
- **McNaughton M, Baker V** and **Soutar D** (July 2014). "Code for the Caribbean: Lessons Learnt" Code for All Summit – Berlin, Germany
- **Soutar, D** (April 2014). "Empathy and Failure in Design Research" The Future of Media and Regulation" Kingston, Jamaica.
- **Dunn H, Soutar D, Harrison R** (March 2014). "Animation in Jamaica: 1974 to 2014" EduVision 2014 Conference and Exposition – Montego Bay, Jamaica.
- **Soutar D, Baker V, Walker R, McNaughton M, Daley S** (March 2014). "Code for the Caribbean: Fellowship, Harvest API and CLIP" Code for the Caribbean Demo Day – MSBM, UWI.
- **McNaughton, M.M.** Soutar, D.M.G., & Baker,V. September 2013) "Code for the Caribbean: Design Research" Code for All Summit – San Francisco, USA.

## PUBLICATIONS

### Chapters in Books

- **Dunn, Leith** and Dunn, Hopeton, (2013)."Women's Rights, Gender and ICTs: Empowering Household Workers In Jamaica", in *Women Right Gender and ICTs: Global Information Society Watch* 2013. Hivos/APC.pp. 54–58.
- **Dunn, Hopeton** (2013). "Something Old, Something New...": WikiLeaks and the Collaborating Newspapers – Exploring the Limits of Conjoint Approaches to Political Exposure in Beyond WikiLeaks: Implications for the Future of Communications, *Journalism and Society*. Benedetta Brevini, Arne Hintz and Patrick McCurdy (Eds). Palgrave MacMillan Publishers Limited, United Kingdom. pp. 85–100.

### Articles & Monographs

- **James, C** (2013). Region awaits post-Chavez settlement. Argus Latin American Energy, London.
- **James, Canute** (2013). Dominican Republic insists on Thermal Tender Transparency. Argus Latin America Power Watch. London.
- **Rowe, Y.** (2013) **Vitamin S:** Messages, Music and Video – An Analysis of the Sexual Content and Perceptions of Sexuality Communicated in Popular Jamaican Music Videos. Social and Economic Studies. 62, 227–247.

### Posters

- **White L** (2013)."Teaching Caribbean Students to Make the World a Better Place: A Review of CARIMAC's Social Marketing Courses" 3rd World Social Marketing Conference, Toronto, Canada.

### Technical Reports

- **White, L.** & **Bravo, O.** (2013). Communication (IEC Materials) Development Component of the Extended Sexual Safety Initiative Project (August 2010–December 2013). Implemented by the UWI Health Centre and funded by the Ford Foundation. (Member of a Project/Research Team led by Dr. Blossom Anglin-Brown).
- Stewart, P. & **Bravo, O**. (2013). Media and Information Literacy and Intercultural Dialogue at the University of the West Indies. In U. Carlsson & S Hope Culver (Eds.), *MILID Yearbook 2013: Media and Information Literacy and Intercultural Dialogue* (pp. 25–35). Sweden: Nordicom.

## INCOME GENERATION

- CARIMAC through a partnership with Egis Eau, a French company specializing in development engineering, has been jointly awarded a two-year contract for the "Implementation of the National Energy Plan Communication and Public Education Programme" by the Ministry of Science, Technology, Energy and Mining. The CARIMAC project team was led by Olivia Bravo.
- CARIMAC successfully completed several commissioned research projects, including that for the Broadcasting Commission of Jamaica and Planning Institute of Jamaica, led by Dr. Livingston White.
- An Environmental Foundation of Jamaica sponsored documentary was completed by CARIMAC. The documentary tells the story of the Foundation's impact in the areas of Environmental Sustainability, Child Development & Survival.

## PUBLIC SERVICE

The Director and Faculty members engaged in a wide range of Public Service activities in the year under review. We continue to serve on a number of Boards and provide career talks to students in various schools, guiding them on options available to them in choosing the right career

path. Our close links with the media industry continued through a range of engagements including UNESCO's Press Freedom Day, ITU Telecom and ICT Day, Annual Journalism Awards activities, among others.

**Professor Hopeton Dunn**

- Chairman, 60th Anniversary Planning Committee, Queens Preparatory School, Anglican Diocese of Jamaica
- Chairman, Broadcasting Commission of Jamaica,
- Director, Mona ICT Policy Centre, MSBM, UWI
- Chief Judge, Media Excellence Award Panel, Jamaica Broilers Fair Play Awards
- Chief Judge of National Housing Trust Journalism Awards as part of the PAJ National Journalism Awards
- Member, Jamaica Computer Society (JCS) Education Foundation.
- Planning Advisor to IAMCR 2013 Dublin Conference, as Immediate Past Secretary General, International Association for Media and Communications Research (IAMCR)

**Dr Canute James**

- Member, Project Steering Committee, CSME Public Education Products
- Member, International Advisory Board, the Radio Journal
- Member, Executive Committee, Association of Caribbean Media Workers

**Dr Livingston White**

- Member, Marketing and Communication Committee of the Foundation for the Development of Caribbean Children (FDCC) based in Barbados
- Member, Ad Council of Jamaica
- Member, Project Advisory Committee of the "Teen360" Virtual Classroom Project on increasing sexual and reproductive health

knowledge among Jamaican young people using Information and Communication Technologies; managed by National Family Planning Board (NFPB) and funded by UNESCO

- Member, of Mixed Methods International Research Association (MMIRA)
- Founding member, International Social Marketing Association (ISMA)
- Member, Association of Educators in Journalism and Mass Communication (AEJMC), USA
- Member, International Association of Mass Communication Research (IAMCR)
- Member, International Communication Association (ICA), USA
- Member, International Association of Business Communicators (IABC)
- Member, Editorial Board – *Social Marketing Quarterly*
- Founding member, Editorial Board – *Journal of Human Communication Studies in the Caribbean*

**Corinne Barnes**

- Regional Coordinator, Global Media Monitoring Project
- Parent volunteer at the Hillel Academy High School
- Public Speaking classes held at The Eastwood Park Road New Testament Church of God
- Member of the Mentorship Committee of the Eastwood
- Chairperson of the Media Committee of the Eastwood Park Road New Testament Church of God
- Member of the Youth and Christian Education Board of the Eastwood Park Road New Testament Church of God
- Public Relations Officer for the New Testament Church of God in Jamaica

**Olivia Bravo**

- Member, Greater August Town Film Project Steering Committee
- Member, Greater August Town Film Festival (GATTFEST) Planning and Marketing Committee

**Fae Ellington**

- Chair of the Board of Directors, Jamaica Cultural Development Commission (JCDC)
- Chair of the Advisory Board for Jamaica Information Service (JIS)
- Board Director, Access to Information Act Tribunal
- Board Member, St. Hugh's High School
- Board Member, E-Learning Jamaica
- Board Member, the CHASE Fund
- Chair of the Advisory Board for the Jamaica Constabulary Force Staff College
- Patron, Clarendon 4-H Club

# DEPARTMENT OF HISTORY AND ARCHAEOLOGY

**Dr Kathleen E.A. Monteith,** BA, MPhil *UWI*, PhD *Reading, UK*
**Head of Department**

## WORK OF THE DEPARTMENT

During academic year 2013/14, the Department continued to focus on curriculum reform which included the revision of current courses and programmes, and the development of new courses. It also continued to engage with the wider public, with the hosting of public lectures, seminars, and activities concerned with outreach.

## TEACHING & CURRICULA DEVELOPMENTS

In addition to the 3 courses at Levels 1 and 2 which were revised and written between 2011 and 2012, the Level 3 course HIST3411: Britain Since 1945 was finalised and approved by the AQAC in April/May 2014, and is to be offered in 2014/15. Other courses developed and revised during the year include HIST3701: Writing History and HIST2902: Caribbean Historical Landscape and the Development of Eco-Tourism which were approved by AQAC.

The Department also completed the revision of the BA in Africa and the African Diaspora programme which was re-named the African Diaspora Programme. This was approved by Academic Board. Similarly, the BA in History and Heritage Studies programme was revised to include Level 3 Archaeology and History courses, namely, HIST3801: Historical Archaeology and HIST3013: History of the Jamaican Landscape.

## ARCHAEOLOGY

The annual Field School in Archaeology for students in HIST2801: Research Methods and Techniques in Archaeology took place at Kent Taíno Site, Trelawny January 2–11, 2014 under the supervision of Dr. Ivor Conolley, Part-Time Lecturer, and Director of the Falmouth Heritage Renewal. Eight HIST2801 students and three 3rd year students were in attendance.

## SOCIAL HISTORY PROJECT

Under the guidance of Dr. Matthew Smith, the Social History Project is engaged in the development of the Jamaica Fifty Time Capsule project for the Ministry of Youth and Culture. Dr. Birte Timm who is attached to the SHP, continues with her Post-doctoral Research Fellowship awarded by the Marie Curie Fellowship in the Gerda Henkel Foundation M4 Human programmes in the Department. The Fellowship ends in April 2015.

## 30TH ANNUAL ELSA GOVEIA MEMORIAL LECTURE

The Department hosted the 30th annual Elsa Goveia Memorial Lecture on 1 April 2014 at the Sir Philip Sherlock Centre for the Performing Arts. The Lecture was delivered by Dr. Diana Paton, Reader in Caribbean History, Newcastle University, UK. The title of her lecture was "Small Charges" Law and the Regulation of Conduct in the Post Slavery Caribbean".

## WEEKLY STAFF/GRADUATE SEMINAR SERIES

Under the very able coordination of Dr. Enrique Okenve, the Department's Weekly Staff/Graduate Seminar Series saw 17 presentations by visitors, graduate students and staff during the academic year.

## THE HISTORY AND ARCHAEOLOGY SOCIETY

Members of the History and Archaeology Society received awards at the recently held University Student Awards Ceremony held 12 April 2014. Oshane Robinson and Adrian Reid both received Certificates of Excellence for co-curricular service in Culture, while Kirt Henry, John Shorter, Mouricia Allen, Alicia Patterson and Kadia Gray were awarded for Outstanding Performance in Culture.

## PUBLIC OUTREACH

During the year members of the Department continued to participate in radio and television discussion programmes, organising conferences and symposia, and delivering public lectures at various venues, locally and overseas.

The Department in conjunction with the School of Education held a Workshop for CAPE History Teachers on Saturday 23 November 2013. The Workshop was held between 9am and 3pm and was attended by 44 teachers of CAPE History representing 28 High Schools from within and outside the corporate area. The objective of the Workshop was to assist in the improvement of the teaching of CAPE History. The Facilitators of the Workshop were Drs. Aleric Josephs and Dian McCallum. The Department intends to make this an annual event.

The Department's **annual Cape Lectures in History series**, coordinated by Dr. Aleric Josephs, was held on April 5 and 12, 2014, between the hours of 10am and 3:15 pm. Six lectures were delivered: "The Provisions of the British, French and Spanish Acts of Emancipation", by Dave Gosse; "Cuban Revolution: Regional and International Impact 1959 – 1983" by Robert Sierakowski; "Nationalism and Nation Building

Attempts by Haiti's Revolutionary leaders to Create a Free Society between 1804 and 1825", by Matthew Smith; "European Settlement and Rivalry in the Americas to 1800" by James Robertson; "Global Conflict and Totalitarianism: World Wars I & II, The Russian Revolution up to 1924, and Nazism in Germany up to 1945", by Jonathan Dalby.

The Department in collaboration with the French Embassy in Kingston, and with the Department of Government, hosted the showing of the documentary film, *Les Combattants Africains de la Grande Guerre (African Veterans of the Great War)*, on April 10, 2014 in the Neville Hall Lecture Theatre. The discussant of the film was Dr. Jonathan Dalby, Senior Lecturer in History in the Department. The event was in commemoration of the centenary of the outbreak of World War I in 1914.

The Department in association with the Department of Government hosted a Panel Discussion on the life and work of the late Nelson Mandela, titled *Tribute to Madiba Nelson Mandela*, on 18 December 2013, in the Neville Hall Lecture Theatre. The Panelists included, Dr Enrique Okenve (History) who spoke on "Mandela and the Anti-Apartheid Movement", Dr. Raymond Brown (Government) who spoke on "The USA and the Anti-Apartheid Movement", and Professor Rupert Lewis (Government), who spoke on "The Politics of Mandela's Legacies". The Discussant was Professor Waibinte Wariboko (History).The event was broadcast live on *NationWide* radio.

## DISTINGUISHED VISITORS TO THE DEPARTMENT

The University of the West Indies and Australian National University Emeritus **Professor Barry Higman was Visiting Professor** in the Department during semester 2 of academic year 2013/14. Professor Higman conducted seminars in the MA Heritage Studies programme, teaching modules in HIST6704: Oral History: Value and Techniques; HIST6710: Audio-Visual History and HIST6703: Historic Landscapes and Environmental History. He also conducted a workshop on the Writing of the Research Paper for MA students, and met with MPhil and PhD students to discuss thesis writing. On 28 February 2014, he

presented on "The Demography of Slavery" in the weekly Staff/Graduate seminar series. Professor Higman also gave a Public Lecture, "Big History, Small Islands" on 28 March, 2014 in the UWI Library's Multifunctional room.

## STAFF MATTERS

In 2013/14 the position of Lecturer in Asian History was filled by Dr Taka Oshikiri. The position of Lecturer in Archaeology was left vacant during 2013/14, and Dr. Ivor Conolley covered most of the teaching on a part-time basis during both semesters, with assistance from Ms Renee Nelson in Semester 2. Mr Zachary Beier has been offered a contract by the University to fill the position. Mr Beier is completing his PhD at Syracuse University, and is expected to join the staff in August 2014.

Dave Gosse received the Principal's award for Best Publication (Book) & Most Outstanding Researcher in the Faculty of Humanities and Education for *Abolition and Plantations Management in Jamaica 1807–1838* (University of the West Indies Press); Kathleen E. A. Monteith received the Principal's award for Best Publication (Article) in the Faculty of Humanities and Education for "Boom and Bust in Jamaica's Coffee Industry, 1790–1835", *Journal of Caribbean History*, 47: No. 1: pp1–27.

## PROMOTIONAL ACTIVITY

Mr Christopher Graham, MPhil graduate student gave a presentation on "The Importance & Value of Studying History" to the gathering of 150 students and their teachers in attendance at the CAPE History Lectures. Mr Graham also promoted the Department's offerings on site visits to schools within and outside the corporate organised by the Campus Admissions Office and coordinated by the Associate Dean for Outreach, Dr. Rachel Mosely-Wood.

Dr. Jenny Jemmott coordinated the Department's participation in the Campus' Research Days' activities, which also assisted in promoting the Department's offerings. She was ably assisted by Dr. Josephs, graduate students and members of the History and Archaeology Society.

The Department's Website and Facebook continued to be periodically updated under the supervision of Dr. Enrique Okenve, assisted by Mrs Rudy-Ann Dennis Copeland.

## CONFERENCE / SEMINAR PAPERS

**Jonathan Dalby**

- '"Such a Mass of Disgusting and Revolting Cases: Explaining the Prosecution of Sexual deviance in Post-Emancipation Jamaica," Department of History and Archaeology, UWI, Mona, Staff/Postgraduate Seminar, 22 November 2013. 38pp.
- 'Stereotypes and Beyond: Female Criminality in Post-Emancipation Jamaica, 1835-99' at the 46th annual conference of the Association of Caribbean Historians, Fort-de-France, Martinique, 13 May 2014. 25pp.

**Dave Gosse**

- "Marcus Garvey's Black Theology and its Impact on the UNIA" Studies, 38th Annual Conference of the Society for Caribbean Studies, University of Glasgow, 2–4 July, 2014. 22pp.

**Aleric Josephs**

- "Of Blacks by Whites: The Caribbean Perspective from Women's Letters, 1788–1900," Department of History and Archaeology, UWI, Mona, Staff/Postgraduate Seminar, 4 October 2013. 24pp.
- "Missionaries and the Adjustment to Emancipation in Jamaica: The Contribution of Lucy Woodcock, American Missionary," the 16th Berkshire Conference on the History of Women, University of Toronto, 22–25 May 2014. 24pp.

**Kathleen E. A. Monteith**

- "Teaching the Business History of Emerging Markets Today: The Case of the University of the West Indies", Business History in Africa, Asia, and Latin America conference, Harvard Business School, Boston, 13–14 June 2014. Ppt. 30 slides.

- "Course Development and Teaching Materials: West Indian Business History: Enterprise and Entrepreneurship", Business History in Africa, Asia, and Latin America conference, Harvard Business School, Boston, 13–14 June 2014. Ppt. 13 slides.

**Taka Oshikiri**

- "Chanoyu and the Early Meiji Cultural Policy", 12th Symposium of the Archaeological Society of Jamaica, Caribbean Archaeology, Conservation and Material Culture, UWI, Mona, 9–10 April 2014. 11 pp.

**James Robertson**

- "Second thoughts on Three Caribbean Disasters: Port Royal in 1692, Kingston in 1907 and Montserrat since 1995," UWI, Open Campus, Salem, Montserrat, 22 July 2014. 17pp.
- "The Missionary Triangle Trade," the 16th Berkshire Conference on the History of Women, University of Toronto, 24 May 2014. 5pp.
- "Cocoa's Moment in Seventeenth-Century Jamaica." 12th Symposium of the Archaeological Society of Jamaica, Caribbean Archaeology, Conservation and Material Culture, UWI, Mona, 9–10 April 2014. 10pp.
- "Out of Many, One Crop: Causes and Consequences of Seventeenth-Century Jamaica's Shift to Sugar," Beyond Sweetness: New Histories of Sugar in the Early Atlantic World conference, John Carter Brown Library, Brown University, 25 October, 2013. 13pp.
- "Jamaica's Victorian Architectures, 1834–1907," Department of History and Archaeology, UWI, Mona, Staff/Postgraduate Seminar 18 October, 2013. 23pp.

**Matthew Smith**

- (Panelist), "Citizenship, Exile and the Haitian Diaspora," University of Toronto, 14 March 2014. 12pp.
- "Back To Haiti: Haitian Migration in Historical Perspective," University of Toronto, 13 March 2014. 20pp.

- "Out of Haiti: Migration, History, Diaspora," the Department of Afro-American and African Studies, University of Michigan, 19 February 2014. 20pp.
- "Jamaica Needs Haiti: Island Exchanges and Cultural Relations in the 1950s," Department of History and Archaeology, UWI, Mona, Staff/Postgraduate Seminar, 8 November 2013.
- "Made by Revolution: CLR James and West Indian Visions of Haiti," Talking Haiti conference, University of Glasgow, 29 October 2013. 20pp.
- (Keynote address) "The Spirit of the Thing: The Black Jacobins and Caribbean Discourses on Haiti," The Black Jacobins Revisited: Rewriting History conference, University of Liverpool/International Slavery Museum, 27–28 October 2013. 20pp.

**Swithin Wilmot**

- "A Passion for Inclusion: Black Politics in Free Jamaica, 1838–1865," International Conference in Honour of Professor Rupert Lewis, Department of Government, UWI, Mona Campus, 11 October. 27pp.

## PUBLICATIONS

### Books & Monographs:

**Matthew Smith**

- Co-editor with Melanie Newton, *Small Axe*, (Special feature on Caribbean Historiography) Nos. 43 & 44, 2014. Pp.1–86, and Pp.72–140.

### Journal Articles & Book Chapters

**Jonathan Dalby**

- "'Such a Mass of Disgusting and Revolting Cases': Moral Panic and the 'Discovery of Sexual Deviance in Post-Emancipation Jamaica,

1835–1855," *Slavery and Abolition*, DOI:10.1080/0144039X.2014.929815. June 2014. 25pp.

**Dave Gosse**

- "The Promulgation and Impact of the Great Commission in the Caribbean, Past and Present" in Mitzi J. Smith and Lalitha Jayachitra (eds.) *Teaching All Nations: Interrogating the Matthean Great Commission*. Minneapolis, Fortress Press, April, 2014. Pp.33–56.

**James Robertson**

- "Frank Cundall." In *Encyclopedia of Caribbean Archaeology*. Eds., Basil A. Reid and R. Grant Gilmore III. Gainesville University of Florida Press, 2014. Pp.120–121.
- "Sir Hans Sloane." In *Encyclopedia of Caribbean Archaeology*. Ed, By Basil A. Reid and R. Grant Gilmore III. Gainesville University of Florida Press, 2014. Pp.314-315.
- "Spanish Town, Jamaica: Architecture and Material Culture." In, Basil A. Reid and R. Grant Gilmore III (eds.) *Encyclopedia of Caribbean Archaeology*. Gainesville University of Florida Press, 2014. Pp.316–320.
- "Maroons and Jews during the First Maroon War (1728–1738/9): The 'Confession of Cyrus Reconsidered." In Jane S. Gerber (ed.) *The Jewish Diaspora of the Caribbean*. Oxford: Littman Library, 2014. Pp.241–259.

**Matthew Smith**

- "Footprints on the Sea: Finding Haiti in Caribbean Historiography." *Small Axe* no. 43, March 2014. Pp. 55–71.
- "Wanderers in Love: Touring, Tourism, and the Haiti-Jamaica Musical Circuit in the 1950s." In Dan Neely and Tim Rommen (eds.), *Sun, Sound, and Sand: Music Tourism in the Caribbean*. Oxford: Oxford University Press, 2014), 125–150.

**Swithin Wilmot**

- "Jewish Politicians in Post Slavery Jamaica: Electoral Politics in the Parish of St. Dorothy, 1849–1860", in Jane S. Gerber (ed.), *The Jews in the Caribbean*. Oxford: Littman Library of Jewish Civilization, 2014. Pp. 261–278.

## PUBLIC SERVICE

**Dave Gosse**

– Chairman: Board of Management, The Ardenne High School.

**Jenny Jemmott**

– Member: National World Heritage Committee, Jamaica National Heritage Trust.

– UNESCO/African Caribbean Institute of Jamaica/Jamaica Memory Bank: Workshop on Intangible Cultural Heritage, Kingston: Hotel Four Seasons, September 4 to September 13, 2013: Departmental representative.

**Aleric Josephs**

– Chief Examiner, CAPE (History) for Caribbean Examination Council

**Kathleen E. A. Monteith**

– Member: Editorial Board of the *Journal of Caribbean History*

– Member: National Library of Jamaica's Collections Development/ Information Systems and Services and Management Committee

– Member: Executive Committee, Jamaica Historical Society

– Editor: *Jamaican Historical Review*

– Member: Scholarship/Grants Committee, Anglican Community University of the West Indies, Mona Chapel.

**James Robertson**

– Vice President: Jamaican Historical Society

– President: Archaeological Society of Jamaica

– Member: National Archives Advisory Committee.

**Veront Satchell**

– Member: Board of Directors, The Mico University College

– Member: Governance Committee, Mico University College

– Member: Board Lady Mico Trust

– Reviews Editor: *Journal of Caribbean History*.

**Matthew Smith**

– Member: Board of Directors of the Museums and Ethnography Division, the Institute of Jamaica

– Chair, Content Sub-Committee, Board of Directors of the Museums and Ethnography Division, the Institute of Jamaica.

**Waibinte Wariboko**

– Member: Editorial Board, *Notes and Records: An International Journal of African and African Diaspora Studies*

– Member: Editorial Board, *Onyoma: International Journal of Niger Delta Studies*; Mbari: *The International Journal of Igbo Studies*.

**Swithin Wilmot**

– Member: Board of Trustees, The Archbishop Samuel Carter Educational Fund

– Member: Board of Directors, Museums and Ethnography Division, the Institute of Jamaica

– Member: Editorial Board, *Journal of Caribbean History*

– Editor: *Journal of Caribbean History*.

– Convener: Executive Nominating Committee of the Association of Caribbean Historians.

## INFORMATION ON STUDENTS

### Prizes Awarded

**The Gladwyn Turbutt prizes for:**

| | |
|---|---|
| European History | Joedian Munroe |
| Archaeology | Ashley Jones |
| Atlantic World History | Candice Turner |
| Historical Methodology | Juanitta Hutchinson |
| Asian History | Robyn Guthrie |
| Heritage Studies | Karreene Morris |

**The Neville Hall prize:**

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| History of the Americas | Shawn Wright |

**The Walter Rodney prize:**

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| African History | Marcus Moore |

**The Elsa Goveia prize:**

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|---|---|
| West Indian History | Renee Davidson |

# DEPARTMENT OF LANGUAGE, LINGUISTICS AND PHILOSOPHY

**Professor Silvia Kouwenberg**, BA., MA., PhD. *Univ. Amsterdam*
**Head of Department**

## WORK OF THE DEPARTMENT

During the 2013/2014 academic year, the Department continued the consolidation of its new English language Foundation courses, held many events and outreach activities, and engaged in curriculum design at the undergraduate and postgraduate degree levels. Members of the Department were actively engaged in outreach activities and in research and publication.

The Department observed Gandhi Day, which is internationally recognised as a day of non-violence, on the late Mahatma Gandhi's birthday, 2 October 2013, under the theme 'Peace and Non-violence as the way to Nirvana'. The ceremony was supported by the undergraduate Philosophy Society, and was attended by representatives of the Indian High Commission and members of the Indian Cultural Society, along with members of the academic community.

The work of Dr Earl McKenzie, a multi-talented retired member of the Department's Philosophy Section, was celebrated in a combined book launch of his philosophical works *The loneliness of a Caribbean Philosopher* and P*hilosophy in the West Indian Novel* and his most recent poetry collection, *A Blue Bird Named Poetry: Linked Poems, Stories & Paintings.* The book launch was the closing event of the UWI/UNESCO Philosophy Day of 21 November 2013, and was supported by Arawak Press.

The UWI's Research Days of 19–21 February 2014 saw the active engagement of all sections of the Department. It included the Language Section's 'Fun with English' activities which tested critical thinking and vocabulary skills; the Philosophy Section's panel discussion on Doping in Sports at which speakers from within and outside the Campus spoke on the morality of doping in sports; the Linguistics Section's demonstration of sign language use in dental procedures; and a multimedia presentation by Linguistics students on their fieldwork experience in Curaçao.

Other events hosted by the Department included the Ninth International Colloquium of the Centre for Black and African Arts and Civilization (CBAAC), held 23–25 April 2014 in collaboration with and support from the Nigerian High Commission, the South African High Commission, the African Caribbean Institute of Jamaica/ Jamaica Memory Bank (ACIJ/JMB), and the Campus Principal's office; the JLU's end-of-project presentation on its Graduate Research Student Coaching Project on 14 November 2013; and the Department's annual Postgraduate Research Day, held May 15, under the theme 'Transforming research into economic resource in the Humanities: the case of Language, Linguistics and Philosophy'.

A project of the Jamaican Language Unit for the preparation and delivery of radio news broadcasts in the Jamaican language on Newstalk 93FM received a Special Grant from the Principal's Office of $1.55M. The project was preceded by a research activity involving undergraduate Linguistics students on the intelligibility of radio news broadcasts to persons with low English language competence and by a pilot of news broadcasts during the period October–December 2013. The grant enabled the training of five potential translators and Jamaican language

news broadcasters – all current or former students of the Department – during July 2014, and the production of daily radio broadcasts of the news in Jamaican.

Guided by the Campus Coordinator for Graduate Studies and with the support of the Campus Principal, a steering committee for the design of a programme in Speech-Language Pathology was formed, consisting of members of the Department's Linguistics Section, members of the Faculty of Medical Sciences' Department of Child Health, other medical specialists and Speech-Language Pathologists. The committee was successful in seeing a proposal for a self-financing M.Sc. in Speech-Language Pathology through to approval. This long-awaited programme is designed to equip fully functional speech-language pathologists, who are needed throughout the Caribbean region to treat with the language and speech disabilities of both adults and children. Apart from a similar degree programme at St. Augustine, no other such offering exists in the region. The programme is to be offered for the first time in 2015/16 in collaboration with the Department of Child Health.

At the undergraduate level, 2013/2014 saw the introduction of the discipline-specific English language Foundation courses FOUN1012 Critical Reading and Writing in the Humanities, FOUN1013 Critical Reading and Writing in the Social Sciences, FOUN1014 Critical Reading and Writing in Science and Technology and Medical Sciences, FOUN1015 Critical Reading and Writing in Education, and FOUN1019 Critical Reading and Writing in the Disciplines. Pass rates for the new courses ranged from a low of around 60% (FOUN1015, FOUN1019) to a high of 88% (FOUN1012). It has become apparent that the demand for FOUN1019, a six-credit year-long course offered to students who are unable to demonstrate sufficient English language proficiency to qualify for the discipline-specific courses, is substantial, and that it may take a few years for the backlog of students needing to take this course to be dealt with. Moreover, many students in that course are in dire need of more individual coaching than the Department's Writing Centre, constrained by its limited resources, has been able to offer. The goal for the coming period is therefore to increase substantially the Writing



Back to Table of Contents

Centre's income from commercial offerings. In the mean time, the Centre has begun the long overdue refurbishing of its facilities.

English Language electives were combined to form a Minor in English Language Writing and Speech, for first offering in 2014/15. This Minor aims to develop students' abilities to communicate effectively in different modes and for different audiences. It supplements the skill sets for writing academic papers with the skills to understand and produce different types of communication in business environments, to prepare and deliver appropriate oral communication for different audiences, and to reflect critically on the nature and purpose of communication.

The Department's Philosophy course offering at Western Jamaica Campus was expanded with the addition of two courses, so that students at that campus can now select the Introduction to Philosophy, Philosophy of Mind, and Philosophy of Sex and Love. A new course, PHIL2025 Introduction to Caribbean Philosophy, was successfully introduced to students at the Mona Campus. Just short of thirty students registered in this course, which encourages exploration of the various intellectual traditions, beliefs and cultural practices of the Caribbean people, and enables students of philosophy to appreciate the fact that the foundations of the belief systems of Caribbean society constitute a distinctive philosophical tradition, which has a contribution to make to philosophy.

Also offered for the first time was LING1819 Beginners' Caribbean Sign Language, which saw a registration of nearly 140 students, the majority pursuing programmes in the Faculty of Medical Sciences. This means that more students will graduate from medical degree programmes who have learned to communicate with deaf patients. It is worth noting that Dr Keren Cumberbatch published two e-textbooks, produced with the use of innovative technology and incorporating video illustrations of the relevant Sign Language communications, which will guide students in dentistry and medical sciences in the use of Caribbean Sign Language in their future professions.

Dr Cumberbatch's research received recognition in the form of the award of a UWI Mona New Initiative Grant of approximately $1.5M

for her project 'Investigating Sign Language Dialectology in CARICOM Member States'. Collaboration with the Department of Physics further resulted in the award of a UWI Mona Multidisciplinary/Cross-faculty Collaboration Grant of $3.1M for the project 'Engaging deaf students in mainstream education using speech and language technology and computer vision'.

Under the acronym LOUD (Linguists of UWI on Display), the undergraduate Linguistics Club was launched, complementing the undergraduate Philosophy Society which was launched two years earlier. Students can join LOUD to participate in activities which support their development as linguists, including fund raising activities to meet the cost of linguistic field work – considered an important part of our students' development, but out of reach for many financially challenged students. In the year under review, only six final-year students benefitted from a linguistic fieldtrip to Curaçao, three more from a linguistic fieldtrip to San Andres Island (Columbia), with partial funding from the Student Enrichment Fund and from the Principal's office.

Members of the Department across all the sections and units were actively involved with research and publication. Special mention should be made of the Principal's Award for 'Best Research Publication' given to Mrs Phyllis Coard and Dr Caroline Dyche for their article on 'Integrating psychological and sociocultural dimensions into the teaching of English to UWI students who speak Jamaican Creole: A case study.' The research projects of Dr Monica Taylor ('The role of writing in national development') and Sandra McCalla ('Performance enhancement drugs in sports: an inquiry into the freedom and responsibility of athletes') were featured in the 2014 'Research for Development' book produced for the annual Research Days. Dr Ingrid McLaren began work on her project entitled 'Modeling Speech and Writing Interventions in the University Science Classroom', for which a New Initiative Grant was awarded, while Dr Monica Taylor continued her New Initiative research on 'The role of writing in national development'. Dr Michèle Kennedy used her sabbatical year to compile the database derived from the video-recorded child language productions collected for her project 'What do they speak?',



Back to Table of Contents

and also forged ahead with the research for and writing of chapters for the book 'Language at Work in Jamaica: a Resource for Teachers' which is to be the culmination of the project. Part of the work was carried out as visiting researcher in the English Department of the University of Freiburg (Germany) and as a visitor to the Department of Language and Linguistics at the University of Essex.

Overall, ten members of the Department gave conference presentations, and twenty publications by twelve members of the Department appeared in the period under review.

## PUBLIC SERVICE AND PROFESSIONAL OUTREACH OR PRESENTATIONS

Drs Caroline Dyche and Vivette Milson-Whyte delivered workshops to 25 teachers of English as a Foreign Language at the Semaine de l'Amérique Latine et des Caraïbes in Cayenne, French Guiana, on 'Heightening Regional Consciousness in the English Language Classroom' and 'English and Identity in the English Language Classroom' (Dyche), 'Building Bridges in the English Language Classroom: Linking Identities, Domains, Interests' and 'Responding to Student Writing in the English Language Classroom: Sideshadowing Response' (Milson-Whyte), 26–28 May 2014. Their participation, organised through the Department of Modern Languages, was made possible by the support of the Vice Chancellery.

During the Western Jamaica Campus's Open House held 13–14 January, Ms Haidee Heron, Mr Rudolph Ellis, and Professor Silvia Kouwenberg conducted workshops for CAPE students, while the Jamaica Language Unit organised a CAPE Communication Studies presentation to Ardenne High School sixth formers in October 2013.

Ms Kadian Walters, Ph.D. Linguistics student whose research addresses the relationship between callers' choice of language and customer service response, was invited to present on 'Analyzing and Adapting to your Negotiating Partner' at JAMPRO's Export Plus Technical Assistance event 'Effective Negotiation and Communication for Business Management' held at the Jamaica Pegasus Hotel, 31 October 2013.

Ms Ama Ababio and Dr Carmeneta Jones engaged in outreach activities in the corporate area schools Mona High and Immaculate High School, respectively.

Dr Lawrence Bamikole was one of three resource persons at the Jamaica Council for Interfaith Fellowship Workshop 2013, held under the theme 'Valuing Humanity and Living in Peace', United Theological College of the West Indies, 2 October 2013.

Dr Keren Cumberbatch spoke as panelist on 'Creating Disability-Friendly Higher Education Institutions', at the panel on Living with Disabilities – Accessing Higher Education: Institutional Concerns, hosted by Jamaica Theological Seminary and Jamaica Council for Persons with Disabilities at Jamaica Theological Seminary.

Several department members facilitated workshops for a UWI-based audience. Dr Carmeneta Jones conducted a workshop on interactive teaching for the Centre for Excellence in Teaching and Learning, 14 January 2014, and Dr Monica Taylor presented on 'Using Turnitin's GradeMark Tool to meet the needs of students and instructors' for the Centre's *Teaching with 21st Century Technology Showcase*, 16 April 2014. Ms Ama Ababio assumed the role of Moderator for a Focus Group discussion for Dr Monica Taylor's research project 'The Role of Writing in National Development', July 2014. Dr Carmeneta Jones spoke on 'Engaging Students Before, During and After Read Aloud' at School of Education, UWI, Mona, November 2013. Dr Vivette Milson-Whyte spoke on 'Conducting a Literature Review' at the UWISON's Annual Research Internship for Health Researchers, 11 June 2014. Prof Hubert Devonish made a presentation at the Faculty's Graduate Workshop of 14 November 2013 on the coaching of postgraduate students.

Dr Vivette Milson-Whyte spoke on 'The Quality of Writing and the new GPA Scheme' at the workshop on the Revised GPA Scheme organised by the Centre for Excellence in Teaching and Learning for staff in the Faculty of Humanities and Education on May 1, 2014. Building on that workshop, Drs Ingrid McLaren and Vivette Milson-Whyte conducted seminars on the topic 'Situating Writing in the

Academy: Moving toward Assessment' at the Department of Library and Information Studies' retreat, 20–21 May 2014.

During her stay at the University of Freiburg as visiting researcher, Dr Michèle Kennedy gave presentations on 'Fieldwork in Jamaica' (14 May 2014), 'Creoles and Englishes in the Caribbean, with a special focus on the languages of Jamaica' (3 June 2014), and presented to the group of visiting researchers on contact varieties of English and French in West Africa or the Caribbean on her project 'What do they speak?" (22 May 2014).

Through the Jamaican Language Unit, the Department continued its international collaboration with the University of Geneva for a research project on child language acquisition in Jamaican Creole-speaking children, with the University of Cincinatti for a research project on bench marking child language development among Jamaican school children, and with Stanford University on the Survey of English Dialects.

## APPOINTMENTS, PROMOTIONS AND STAFF DEVELOPMENT

- **Dr Carmeneta Jones** was appointed Lecturer in the English Language Section, replacing Ms Vivienne Harding, who moved on to a position with the Open Campus after serving the Department for many years. Also in that section, the temporary full-time appointments of **Ms Jessie Antwi**, **Ms Nekeisha Reid** and **Ms Kedisha Williams** supported an unexpectedly large demand for places in the English language Foundation courses.
- **Dr Douglas Kutach** was appointed Lecturer in the Philosophy Section, a position which he will take up for the 2014/15 academic year.
- **Dr Gerald Stell** arrived in October 2013 to take up an appointment as sabbatical replacement for Dr Michèle Kennedy in the Linguistics Section, while **Ms Nickesha Dawkins** was appointed as leave replacement for Professor Hubert Devonish in the second semester of the year.

- **Ms Jasmin Lawrence** accepted the task of Academic Coordinator for the English Language Proficiency Test Unit.

Towards the end of the reporting period, Ms Karen Clarke, Senior Secretary, accepted an appointment in a neighbouring Department, leaving a vacancy which the Department will seek to fill in the next academic year.

The Administrative staff of the Department went beyond the call of duty in handling the complex demands of event organisation, class rostering, budgetting, and so on, and rose admirably to the challenge of guaranteeing the continuity of the operations of the IELTS Examination Centre when the Department lost the services of the Centre's Coordinator. **Ms Angella O'Meally** was appointed as the Centre's new Coordinator at the end of July 2014.

## AWARD OF DEGREES

- **Dr Keren Cumberbatch**, lecturer in the Department's Linguistics Section, was awarded the Postgraduate Certificate in University Teaching and Learning.
- **Andre Sherriah**, a Ph.D. Linguistics candidate, was successful in the oral examination of his thesis 'Identifying the sources of lexico-phonetic input from English into Sranan'; Dr Sherriah is currently a Research Associate with the Johann Wolfgang Goethe-Universität, Frankfurt am Main, Germany.

## PAPERS PRESENTED

### Conference presentations

- **Bamikole, L.O.** "Livity as a Dimension of Identity in Rastafari Thought: Implication for Development in Africana Societies". Rastafari Studies Conference and General Assembly 2013, organized by Rastafari Studies Unit and the Institute of Caribbean Studies, UWI Mona, 12–16 August 2013.

- **Bamikole, L.O.** "Fanon and Ghandi on the role of Violence in Liberation: A Reconciliation". Black Radical Thought, Pedagogy and Praxis: A Conference in Honour of Professor Rupert Lewis, organized by the Department of Government, UWI Mona, 10–12 October, 2013.
- B**amikole, L.O.** "The Ethics of Work in the Music of Shola Allyson Obaniyi". Cave Hill Philosophy Symposium-Conversations IX: Grounding Aesthetics, hosted by the Department of History and Philosophy, UWI Cave Hill, November 11–13, 2013.
- **Bamikole, L.O.** "Agency and Afro-Caribbean Existential Discourse". Caribbean Philosophical Association 2014 Annual Meeting: Shifting the Geography of Reason XI: Diverse Lineages of Existentialism-Africana, Feminist, and Decolonial at Hyatt Regency, St. Louis, Missouri, USA, 19–21 June, 2014.
- **Bewaji, J.** "The Twain Shall Not Meet – Afro-Caribbean Cultural Values at Logger Heads with Economic Interests over Human Sexuality". Cave Hill Philosophy Symposium-Conversations IX: Grounding Aesthetics, hosted by the Department of History and Philosophy, UWI Cave Hill, November 11–13, 2013.
- **Cumberbatch, K.** and **Jones, T.** "Accessibility to Dental Healthcare for Jamaican Deaf Patients", The UWI Mona Regional Disability Studies Conference 2014, UWI Mona, 11–12 March 2014.
- **Dyche, C.** "Caribbean English Creoles and Language Education Policy: The Case of Jamaica". Séminaire International: "Plurilinguisme et Interculturel", Pôle Universitaire Guyanais, Campus de Troubiran, Cayenne, French Guiana, 26 May 2014.
- **Jones, C**. "Planting the 'Write' Seed: Nurturing Budding Caribbean Doctor-writers". The 17th Conference of the Caribbean Tertiary Level Personnel Association, Bahamas, 11–14 June 2014.
- **McCalla, S**. and **N. Shepherd**. "Performance Enhancement Drugs in Sports: An Inquiry into the freedom and responsibility of athletes".

The American Canadian Conference for Academic Disciplines, Ryerson University, Toronto, Canada, 19–22 May 2014.

- **McLaren, I**. "Art and Ways of Knowing: Reshaping the Academic Landscape-Ways of Knowing, Thinking and Understanding through Narratives". The Ninth International Conference on the Arts in Society: The Lives of Art, Sapienza University, Rome, Italy, 25–27 June 2014.
- McLeod, S., K. Washington, **H. Devonish** and M. Samms-Vaughan. "Children's Speech Assessment: Cross-cultural Considerations". 15th Biennial Conference of the International Clinical Phonetics and Linguistics Association, Stockholm, Sweden. 11–13 June 2014.
- **Milson-Whyte, V**. "Problems and Possibilities in Adopting Translingual Approaches in Teaching Academic Writing to Creole-influenced (Jamaican) Students". Writing Research Across Borders III, l'Université Paris-Ouest – Nanterre, La Défense, France, 19–22 February 2014.
- **Milson-Whyte, V**. "Les Implications des approches translinguistiques dans l'enseignement de l'écrit aux étudiants influencés par le créole". Séminaire International: "Plurilinguisme et Interculturel", Pôle Universitaire Guyanais, Campus de Troubiran, Cayenne, French Guiana, 26 May 2014.
- **Mohansingh, S.** "Suicide… the States' Hidden Agenda?," The American Canadian Conference for Academic Disciplines, Ryerson University, Toronto, Canada, 19–22 May 2014.
- Washington, K., S. McLeod, **H. Devonish** and M. Samms-Vaughan. "Cross-cultural Competencies for Working with Bidialectal Children from Jamaica". American Speech-Language-Hearing Association Convention, Chicago, IL, USA, 14–16 November 2013.
- Washington, K., S. McLeod, M. Samms-Vaughan and **H. Devonish**. "Considerations During Speech and Language Assessment for Bidialectal Children in Jamaica". 29th World Congress of the International Association of Logopedics and Phoniatrics Conference, Turin, Italy, 25–29 August 2013.

## PUBLICATIONS

### Books & Collections

- **Dyche, C.** (Ed.) Special issue on "Best Practices in Higher Education: Focus on the Caribbean". *The UWI Quality Education Forum*, Vol. 19, 2013.
- Imafidon, E. and **J.A.I. Bewaji** (Eds.) *Ontologized Ethics: New Essays in African Meta-Ethics*. Lexington Books, 2014.

### Refereed Book Chapters

- **Dawkins, N.** "She se dis, him se dat. Examining Gender-based Vowel Use in Jamaican Dancehall". *International Reggae*. Ed. D. Hope. Kingston, Jamaica: Pelican Publishers, 2013. 124–165.
- **Devonish, H.** and K. Carpenter. "The Landing Point: The Bilingual Education Project and the Grade 4 (2008) Results". *Education Issues in Creole and Creole-Influenced Vernacular Contexts*. Eds. I. Robertson and H. Simmons-McDonald. Kingston, Jamaica: The University of the West Indies Press, 2014. 167–180.
- **Devonish, H.** and D.Thompson. "Creolese". *Survey of Pidgin and Creole Language*s, Vol. I: English-based and Dutch-based languages. Eds. S. Michaelis, P. Maurer, M. Haspelmath and M. Huber. Oxford: Oxford University Press, 2013. 49-60.
- **Kouwenberg, S.** "Dutch Creole in the Caribbean". *Language and Space. An International Handbook of Variation*, Vol. 3: Dutch. Eds. F. Hinskens and J. Taeldeman. Berlin: De Gruyter, 2013. 879–896.
- **Kouwenberg, S.** "Berbice Dutch Creole". *Survey of Pidgin and Creole Languages*, Vol. I: English-based and Dutch-based languages. Eds. S. Michaelis, P. Maurer, M. Haspelmath and M. Huber. Oxford: Oxford University Press, 2013. 275–284.
- **McCalla, S.** "The University of Morality: Myth or Reality". *Ontologized Ethics: New Essays in African Meta-Ethics*. Eds. E. Imafidon and J.A.I. Bewaji. Lexington Books, 2014. 15–36.

- **Milson-Whyte, V.** "Working English through Code-Meshing: Implications for Denigrated Language Varieties and their Users". *Reworking English in Rhetoric and Composition: Global Interrogations, Local Interventions*. Eds. B. Horner and K. Kopelson. Carbondale, IL: Southern Illinois UP, 2014. 103–115.

**Refereed Journal Articles**

- **Bamikole, L.O.** "David Hume's Notion of Personal Identity: Implications for Identity Construction and Affective Communal Living in Africana Societies". *Philosophy Study*, Vol 4, No. 4, pp. 266–276, 2014.
- **Coard, P.** and **C. Dyche.** "Integrating Psychological and Sociocultural Dimensions into the Teaching of English to UWI Students who Speak Jamaican Creole: A Case Study". *The UWI Quality Education Forum,* Vol. 19, pp. 55–88, 2013
- **Kouwenberg, S.** "The Historical Context of Creole Language Emergence in Dutch Guiana". *Revue Belge de Philologie et d'Histoire / Belgisch Tijdschrift voor Filologie en Geschiedenis*, Vol. 91. Special issue on Dutch and colonial expansion: different contact settings, different linguistic outcomes, ed. G. Stell, 2013. 695–711.
- **McLaren, I.** "Contexts of Engagement: Towards Developing a Model for Implementing and Assessing a Writing across the Curriculum Programme in the Sciences". *Assessing Writing*, Vol 22, pp. 18–32, 2014.

**Non-refereed books**

- **Cumberbatch, Keren**. *Caribbean Sign Language for Dentistry: A Guide to Communicating with Deaf Patients for Dentists*. HIS Publications: Tacarigua, 2014. E-book with Video.
- **Cumberbatch, Keren**. *Caribbean Sign Language for Medicine: A Guide to Communicating with Deaf Patients for Medical Practitioners.* HIS Publications: Tacarigua, 2014. E-book with Video.

- **Cumberbatch, Keren**. *Notes on Jamaican Sign Language*. 2nd ed. HIS Publications: Tacarigua, 2014. E-book.

### Other Refereed Publications

- **Devonish, H.** and D. Thompson. Creolese Language Structure Dataset. *Atlas of Pidgin and Creole Language Structures* Online. Eds. S. Michaelis, P. Maurer, M. Haspelmath and M. Huber. Munich: Max Planck Digital Library, 2013. Online at apics-online.info.
- **Kouwenberg, S.** Berbice Dutch Creole Language Structure Dataset. *Atlas of Pidgin and Creole Language Structures* Online. Eds. S. Michaelis, P. Maurer, M. Haspelmath and M. Huber. Munich: Max Planck Digital Library, 2013. Online at apics-online.info.
- **Kouwenberg, S.** Papiamentu Language Structure Dataset. *Atlas of Pidgin and Creole Language Structures Online*. Eds. S. Michaelis, P. Maurer, M. Haspelmath and M. Huber. Munich: Max Planck Digital Library, 2013. Online at apics-online.info.

### Book reviews

- **Kouwenberg, S.** & **Darlene LaCharité.** Review of: Wiederholung, Parallelismus, Reduplikation: Strategien der multiplen Strukturanwendung, by A. Ammann & A. Urdze. Bochum: Brockmeyer, 2007, and: The morphosyntax of reiteration in creole and non-creole languages, by E. Aboh, N. Smith & A. Zribi-Hertz (eds.). Amsterdam: Benjamins, 2012. In: *Linguistic Typology* 17, 2013. 476–485.
- **Kouwenberg, S.** & **Darlene LaCharité**. Review of: Total reduplication: The areal linguistics of a potential universal, by T. Stolz, C. Stroh & A. Urdze. Berlin: Akademie Verlag, 2011. In: *Linguistic Typology* 17, 2013. 485–496.

# DEPARTMENT OF LIBRARY AND INFORMATION STUDIES

**Dr. Paulette Kerr**, BA, MA *UWI*, PhD *Rutgers*
**Head of Department**

## WORK OF THE DEPARTMENT

During the academic year 2013–14 the Department continued to review and enhance the quality of its offerings, focused on implementing aspects of year 2 of its Operational Plan, while addressing matters of the Action Plan of the Quality Review. A number of initiatives which were started in 2012–13 year were completed. Highlights of the year include:

- DLIS/UNESCO Experts Meeting towards developing a graduate Programme in Archives/Records Management
- Hosting of two Research Fora to showcase LIS research
- MPhil/PhD Programme overhauled and reinstituted
- Research on Media and Information Literacy funded by the Mona Principal's Research Initiative Grant
- Staging of the 3rd Ken Ingram Memorial Lecture

- Participation in UNESCO MILID Student Exchange Programme
- Articulation discussions with Council of Community Colleges in Jamaica re DLIS and Associate degree in LIS.
- Curriculum review and enhancement
  - o Created new graduate course in Legal Information Resource Management
  - o Overhaul of graduate course in management to meet recommendations of the Quality Review
  - o Continued overhaul of technology courses: Developed new course in Information Architecture
  - o Created new undergraduate course in preservation management
- Departmental Retreat which included a one-day workshop on Holistic Rubric Setting and Grade Descriptors
- Outreach activities to the Caribbean

## TEACHING AND LEARNING

### Curriculum Review and Enhancement

The Department continued the review of courses to satisfy the demands of the QAR and to ensure that students are equipped with requisite competencies for the LIS profession.

**New Courses Offered**

As part of the process of updating and creating technology courses, the following courses which were developed in 2012–13 to replace existing courses were approved and offered:

- Information Technology for Information Professionals
- Technology in Libraries: Database Design and Management

**New Courses Developed**

- Information Architecture: Web access and Usability
- Preservation Management for Information Units

### B.Ed School Librarianship Programme

Following recommendations from the QAR, the Department did a complete review of the B.Ed. School Librarianship programme (69 credits) in consultation with the School of Education. While DLIS had developed a 90-credit programme as recommended, at a meeting on November 13, 2013 it was decided that this would not be feasible based on the requirements of the new Education Code for the practice of teachers and teacher/librarians. Persons would need to complete over 100 credits with the majority being education courses. The decision was therefore taken to put this programme on hold. Subsequent to this, the Dean of the Faculty of Humanities and Education advised that further investigation should be done with the School of Education.

### Articulation of courses with the Council of Community Colleges in Jamaica (CCCJ)

After a series of meetings with representatives of the CCCJ, plans towards articulation between the Associate Degree in Library and Information Studies and DLIS are soon to be formalised. A process of rigorous course examination was carried out by the DLIS with support from the Departments of Modern Languages and Literatures, and Language, Linguistics and Philosophy. Dr. Christine Marrett from the UWI's Central Office for Regional and International Affairs (CORIA) provided advice on the University's perspective in the process. Based on the UWI requirements the Evaluation Form for Associate Degree Courses must now be completed for each of the courses in the programme to be articulated. The completion of the evaluation form requires a number of documents that must be submitted such as: examination questions, sample scripts and teacher profiles. The submission of these documents is now in progress, after which the lecturers ratifying the courses will be given the documents to complete the form.

### Archives/Records Management Programme

The UNESCO funded Experts Meeting towards developing a Programme

in Archives and Records Management was held September 9–10, 2013 at the Mona Visitors' Lodge. The team, led by Prof. Jeannette Bastian of Simmons College, USA, included the UWI Archivist, Mr. John Aarons; Assistant Archivist, Dr. Stanley Griffin; Mona Campus Records Manager, Ms. Sonia Black; the Government Archivist, Ms. Claudette Thomas; Head of the Federal and University Archives, Cave Hill Campus, Mrs. Sharon Alexander-Gooding and Ms. Cherri-Ann Beckles representing the Caribbean Regional Branch of the International Council on Archives (CARBICA); Government Archivist for Trinidad and Tobago, Ms. Avril Belfon; Director of National Archives in St. Kitts & Nevis, Mrs. Victoria Borg O'Flaherty and Dr. Kelvin White, representing the International Council on Archives (ICA) Section of Archival Education and Training. The intensive two-day meeting led to the development of a preliminary programme in Archives and Records Management slated to begin September 2015. The deliberations which were informed by a Feasibility Study conducted throughout the Caribbean (English, Spanish, French and Dutch as mandated by UNESCO), also made recommendations towards the successful implementation of the programme. These include the appointment of a Programme Coordinator, Programme Advisory Committee and the promotion of the programme to an international market. Detailed course outlines are now being developed towards a Programme Proposal.

## GRADUATE STUDIES AND RESEARCH

### MPhil/PhD in Library and Information Studies

As recommended by the Quality Review, the DLIS reinstituted the MPhil/PhD in Library and Information Studies which had been dormant for over 15 years, and one applicant was accepted by the Office of Graduate Studies and Research in March 2014.

### Blended Learning Initiatives: MALIS and MLIS Programmes

Dr. Paulette Stewart was afforded reduced teaching load to coordinate the development of the MALIS and MLIS programmes for blended

delivery. Successful proposals were presented to the FHE Graduate Sub-Committee as well as the Campus Graduate Committee and mentioned at a meeting of Academic Board. The programmes which will be offered in simultaneous face-to-face and online modes and a mandatory face-to-face Summer component are slated to begin in September 2014. As part of the process, 22 course outlines were updated and advanced work has been carried out on developing content for online delivery for the following courses:

- Foundations of Library and Information Studies – 5 units out of 6 completed
- Trends and Issues in the Library and Information Environment – 4 units out of 5 completed
- Bibliography and Reference Methods and Materials – 2 units out of 6 completed
- Metadata and Resource Discovery – 2 units out of 9 completed
- Information Technology – 4 units out of 11 completed

While the programmes were approved in principle, the Department was restricted to taking applicants from Jamaica only.

**Staff/Graduate Research Seminars**

The Department continued its staff graduate seminars aimed at providing a collegial avenue for staff and graduate students to present research. A total of 7 sessions were held, organized by Dr. Paulette Stewart, Graduate Coordinator.

**DLIS New Initiative Research**

*"Media and Information Literacy Levels at the Exit Stages of the Education System in Jamaican Schools"*

In September, 2013, the department embarked on a research project being funded by the UWI Mona Principal's New Initiative Grant. The project seeks to determine the levels of media and information literacy

among students at the exit stages of the education system in Jamaica. Through the use of purposive random sampling, data has been gathered from a total of nine hundred (900) students, three hundred (300) from each exit stage; namely: grades six (6), eleven (11) and thirteen (13), representing a total of twenty-nine (29) schools from across Jamaica.

The main goal of this undertaking is to inform national education policy as well as practice of media and information literacy education in Jamaica. Six postgraduate students from the Faculties of Humanities and Education and Social Sciences were recruited as research assistants to assist in data collection, coding and data entry. Upon completion of the final research report, publications will be developed and several public fora will be staged by the Department, where findings of the research project will be presented.

### Research Fora

The Department hosted its first Research Forum under the theme, "Showcasing Research in Library and Information Science: Implications for Practice". The forum was used to show-case library and information science research via 14 poster presentations from staff and graduate students of the DLIS, as well as information professionals from various libraries across Jamaica. Mr. Don Anderson from Market Research Services Limited shared highlights of his research projects as the Keynote Speaker.

The second Forum was held May 29, 2014 under the theme, "Research in Library and Information Studies: Charting the Course towards National and Regional Development". Dr. Lawrence Nicholson from the Mona School of Business and Management was invited as the Keynote Speaker. Seven posters were presented.

### UWI Research Days 2014

UWI Research Days 2014, held February 19–21, 2014 focused on the theme "Fostering Growth and Development in Small Island Developing States (SIDS)." The Department's participation was ably coordinated by

the librarian, Ms. Paulette Bowen, which saw posters by staff displayed under focus area No. 2 – Issues Affecting the People and Institutions Driving Development, sub-theme Labour, Productivity and Human Resource Development.

**Posters**

- Stewart, Paulette. "Jamaican School Libraries Empowering Students with Life Skills: A Survey"
- Heath, Rosemarie. "Exploring 'Voice' in High School Curriculum-Based Research"
- Pellington, Beverley. "The Role of the School Library in the Jamaican E-Learning Project: A Survey of Teachers and Students"

**Workshop**

Mrs. Kerry-Ann Rodney-Wellington conducted a Workshop on "Nine (9) Steps to Maximizing Internal Assessment (IA) Scores" CAPE.

**Staff Research**

Dr. Paulette Stewart's research "Jamaican School Libraries Empowering Students with Life Skills: A Survey" was highlighted and included in the Research for Development publication.

**Research Activity and Output**

The Department continues to enhance the research output of staff through a number of initiatives including setting of research agendas as well as regular research circles in which full time academic staff discuss and share research activity towards conference presentation and publication.

## SEMINARS/PUBLIC LECTURES

**Seminar for Teacher Librarians – December 4, 2013**

On December 4, 2013, the DLIS and Library and Information Association

of Jamaica (LIAJA) collaborated in hosting a Symposium for school librarians entitled, "School Libraries: Agents of Change in the Educational System." Mrs. Kerry-Ann Rodney-Wellington and Dr. Paulette Stewart coordinated the event which provided training for school librarians in practice and acted as an outreach activity for the Department.

**Workshops on Online Delivery**

The Department hosted two workshops towards equipping staff for delivering in the blended modes. These were "Writing Courses for Online Delivery" on January 9–10, 2014, with presentations from MITS, Ms. Charmaine McKenzie and Dr. Paulette Stewart; "Writing Courses for Blended Learning" on February 15, 2014 with presentations from Ms. Charmaine McKenzie of the Open Campus.

**Ken Ingram Memorial Lecture**

The DLIS and the UWI Mona Library collaborated in hosting the 3rd Kenneth Ingram Memorial Lecture on Aril 3, 2014. The lecture entitled, "Navigating the Archive of Slavery" was presented by Prof. Emeritus Barry Higman, Visiting Professor in the Department of History and Archaeology in the Multifunctional Room, UWI Main Library.

**Workshop on the MIL Curriculum for Teachers – February 20, 2014**

The DLIS and CARIMAC hosted a workshop for teachers and librarians on aspects of the *UNESCO MIL Curriculum for Teachers*. The workshop aimed at sharing key aspects of the curriculum including deconstructing media, internet challenges, and teaching information literacy. Faculty from CARIMAC and DLIS made presentations to over 20 librarians and teachers from high schools and colleges across Jamaica.

**International Partnerships**

UNESCO/MILID Student Exchange Programme – February 15–21, 2014

The DLIS and CARIMAC participated in a UNESCO-UNAOC UNITWIN Student Exchange Programme on Media and Information Literacy and Intercultural Dialogue, (MILID University Network). Students Gemmel Drakes (DLIS) and Alpha Obika (CARIMAC) went to University of Sao Paulo, Brazil and the Sidi Mohamed Ben Abdellah University, Morocco respectively. DLIS & CARIMAC hosted Breno Benedykt from the University of Sao Paulo. As part of the week of activities, the Department conducted a workshop on the UNESCO Media and Information Literacy curriculum for teachers. Feedback from all participants indicated that the programme was extremely rewarding.

**UNESCO/MILID Workshop**

The Department continued to support UNESCO's thrust in media and information literacy in the region. Dr. Paulette Kerr assisted with the facilitation of a workshop on Media and Information Literacy and Intercultural Dialogue in the British Virgin Islands in December 2013.

**St. John's University/UWI, DLIS**

St. John's University/UWI, DLIS Immersion Programme did not materialize for the second year due to insufficient student uptake for the programme.

**OUTREACH AND PROMOTION**

Promotion of the Department through outreach activities continued through the year.

- Mrs. Rodney-Wellington shared highlights of the undergraduate programmes to students at the Immaculate Conception High School along with the UWI Recruitment team., September 26, 2013
- A similar promotional visit was made to Clarendon College along with the UWI Recruitment Team, November 28, 2013
- Students of the Department visited the Jonathan Stewart Library (a best-practice school library) at Campion College as part of their

learning objectives for LIBS3006 – Caribbean School and Public Libraries: Practice & Issues, November 25, 2013

- Open House at the UWI, Western Jamaica Campus included a number of promotional activities by the DLIS staff and undergraduate students. Mrs. Kerry-Ann Rodney-Wellington and Dr. Rosemarie Heath held interviews about the undergraduate programmes offered by the DLIS as well as conducted workshops with 6th form students. Dr. Paulette Kerr and Dr. Cherrell Shelley-Robinson provided support on January 14 along with 3 DLIS undergraduate students were invited to be a part of the outreach team. The much-demanded workshop on improving CAPE Scores was offered on both days, January 13–14, 2014 UWI, Western Jamaica Campus

## OUTREACH TO THE CARIBBEAN

### Summer Workshops

The Department organized two workshops at the UWI Open Campus in Castries, St. Lucia. The first, "New Directions in Library Services" July 7–9, 2014 was aimed at library personnel working in school and public libraries. The second, "Teaching Media and Information Literacy" July 10, 2014, catered mainly to the needs of librarians and other library personnel as well as teachers, college lecturers and persons with responsibility for teaching media and information literacy. The presenters were Dr. Paulette Stewart and Dr. Cherrell Shelley-Robinson. A combined total of 22 persons attended the workshops.

In an attempt to promote an awareness of integrated library systems and their use within libraries, globally and in the Caribbean region, the Department organized a workshop entitled, "Introduction to Integrated Library Systems" on July 24, 2014. Eighteen persons were in attendance.

## STAFF MATTERS

### Academic Staff

Rigorous recruitment attempts continued throughout the year to address

staff needs in areas such as Information Management, Advanced cataloguing and Metadata as well as Archives and Records Management. While the efforts led to the initial appointment of qualified staff in these three areas, offers were rejected primarily on grounds of low salaries offered by UWI, Mona. After much innovation the Department was successful in the appointment of a lecturer in Information Technology Management. The work of the Department continued however with the distribution of academic staff being 4 full-time and 20 adjunct lecturers.

Mrs. Kerry-Ann Rodney-Wellington, Temporary Assistant Lecturer did not renew her contract with the University.

### Retirement Function for Professor Fay Durrant

On April 15, 2014, the DLIS expressed its gratitude to Professor Fay Durrant, former Head of Department for her 12 years of service to the University with a Retirement Function in her honour at the Multifunctional Room, UWI Main Library. Prof. Durrant was honoured with tributes from members of the University community, the Library and Information community, as well as students and staff of the DLIS.

## ADMINISTRATIVE STAFF

The Department said goodbye to Ms. Marcia Ford, Library Assistant, after over 30 years with the University. Ms. Chonique Dempster joined as temporary secretary III.

## PAPERS PRESENTED

- **Harris, Sasekea** and **Nicholas, Pauline**. "Literacy 4D @ Your Library: IFLA Market @ Your Library 2013." IFLA WLIC Conference. Suntec Convention Centre, Singapore. August 2013.
- **Kerr, Paulette.** "Designing Media and Information Literacy Policies and Strategies." UNESCO Consultative Workshop for Media and Information Specialists. Tortola, British Virgin Islands. December 2013.

- **Kerr, P.** "Theory of Action and Information Literacy: Critical Assessment towards Effective Practice." ECIL Conference, Istanbul Turkey. October. 2013.
- **Kerr, P.** "Media and Information Literacy for OECS Policy Makers." UNESCO Consultative Workshop, Castries, St. Lucia. July 2013.
- **Kerr, P.** "Key Directions in Information Literacy Education: Implications for Caribbean Libraries." The Annual Conference of the Association of Caribbean University Research and Institutional Libraries (ACURIL), Nassau, Bahamas, June 2014.
- **Rodney-Wellington, Kerry-Ann.** "The Impact of Information Literacy Skills Instruction on Grade Six Students' Information-Seeking Activities: An Experimental Study." Poster presented at the Department of Library and Information Studies Research Forum, October 2013.
- **Stewart, Paulette** and **Kerry-Ann Rodney-Wellington.** "Education for Sustainability: Jamaican and Antiguan School Libraries Facilitating the Development of Cognitive Ability." Poster presented at the Department of Library and Information Studies Research Forum, May 29, 2014.
- **Stewart, Paulette.** "Jamaican School Libraries Empowering Students with Life Skills: A Survey". IASL Conference. Bali, Indonesia. August. 2013.

## PUBLICATIONS

### Refereed Book Chapters

- **Harris, Sasekea.** "Application of Cutting Edge Technologies in an Academic Cataloging Department: Linking Classroom with Practice." *Cutting Edge Technologies and Academic Librarianship*. Ed. Anna Kaushik and Nirmal Kumar Swain. New Delhi: Ess Publications, 2014. 30–44.

**Print.**

- **Kerr, Paulette.** "Strategic Promotion and Expansion of Information Literacy Education: Professional Development and Outreach Programmes." *Global Citizenship in a Digital World: MILID Yearbook 2014. Ed.* Sherri Culver and Paulette Kerr. Göteborg: NORDICOM, 2014. Print.
- **Kerr, P**. "Theory of Action and Information Literacy: Critical Assessment Towards Effective Practice." *Worldwide Commonalities and Challenges in Information Literacy Research and Practice*. Ed. Serap Kurbanoğlu, Esther Grassian, Diane Mizrachi, Ralph Catts, and Sonja Špiranec. Switzerland: Springer International, 2013: 429–435. Print. CCIS 397.

**Refereed Journal Articles**

- **Harris, S.** "Agricultural & Food E-Resources Usage at the University of the West Indies (UWI) Mona Campus." *Information World Journal* 14.1 (2013): 141–62. Web. 25 Sept. 2014. <http://www.bd.org.tr/index.php/bd/article/view/373/pdf_113>.
- **Harris, S.** "Enhancing Awareness of Science, Technology, Engineering and Mathematics (STEM) in Academic Libraries: A Jamaican Case Study." IFLA 39.3 (2013): 251–261. *SAGE*. Web. 25 Sept. 2014. <http://ifl.sagepub.com/content/39/3/251.full.pdf html>.
- **Harris, S.** "Librarianship and Culture: Social Change in Post-colonial Jamaica." *SALALM Papers* 57 (2014): 184–99. Print.
- **Harris, S.** "The Role of the UWI Mona Libraries in HIV/AIDS Information Access and Dissemination." *West Indian Medical Journal* 62.4 (2013): 342–45. Web. 25 Sept. 2014. <http://caribbean.scielo.org/pdf/wimj/v62n4/a13v62n4.pdf>.
- **Heath, R**. "Toward Learner-Centred High School Curriculum-Based Research: A Case Study." *Journal of Librarianship and Information Sciences* (2014): 1–12. SAGE. Web. 25 September 2014. <http://lis.sagepub.com/content/early/2014/05/13/0961000614532396.full.pdf>.

- **Stewart, P.** "Benefits, Challenges and Proposed Future Directions for the International Association of School Librarianship Annual Conference." *International Journal of Education and Research*. 1.5 (2013): 193–210. Web. 25 September. 2014.
- **Stewart, P**. "Jamaican School Libraries Empowering Students with Life Skills: A Survey." *Journal of Library and Information Sciences*. 2.1 (2014): 5–21. Web. 25 September. 2014.

### Edited Books

- Culver, Sherri, and **Kerr P.** eds. *Global Citizenship in a Digital World*: MILID Yearbook 2014. Göteborg: NORDICOM, 2014. Print.

## PUBLIC SERVICE

**Dr. Paulette Kerr**

– Member, Board of Directors, National Forum on Information Literacy (USA)

– Member, Standing Committee and Paper Reviewer European Conference on Information Literacy

– Chair UNESCO MILID UNITWIN Group

– Member, Paper/Poster Review Committee ALISE 2014 Conference

**Dr. Paulette Stewart**

– External Examiner, Doctoral Committees, Department of Graduate Education & Leadership at the Northern Caribbean University, Mandeville, Jamaica

– Director, IASL – Latin America and the Caribbean

– Member, Board of the East Jamaica Conference of Seventh-day Adventists Education Board

– National Judge for the Jamaica Public Library Reading Competition

**Mrs. Kerry-Ann Rodney-Wellington**

– Member, International Association of School Librarianship Special Interest Group for Library Education 2014

**Dr. Rosemarie Heath**

– Member, Executive Committee, Library & Information Association of Jamaica (LIAJA)

**Professor Fay Durrant**

– Member, Board of Management, Jamaica Library Service

– Member, Board of Management, National Library of Jamaica

**Ms. Paulette Bowen**

– Member, Library and Information Association of Jamaica (LIAJA)

– Member, International Association of School Librarianship (IASL)

**Mr. Mathew Blake**

– Member, Board of Management, National Library of Jamaica

## STUDENT MATTERS

### Practicum/Internship

Students were placed at national, public, academic, special and school libraries in Jamaica and the USA.

| Programmes | Students placed | Countries of placement |
|---|---|---|
| Undergraduate | 25 | Jamaica (21), USA (4) |
| Graduate | 5 | Jamaica (4), USA (1) |
| Total Students Placed | 30 | |

### Faculty/Departmental Awards

| Awards | Criteria | Student |
|---|---|---|
| Alumni Prize | Best Grade – Year 1 | Krystelle Scott |
| COMLA Prize | Best Grade – Year 2 | Avis Holder |
| Daphne Douglas Prize | Outstanding Professional Development | Elton McDuffus |
| Dorothy Collings Prize (Graduate) | Best graduate performance | Heather Thompson |
| Dorothy Collings Prize (Undergraduate) | Best overall undergraduate performance | Diana Mitchell-Lewis |

### LIAJA SCHOLARSHIP

The LIAJA Scholarship for 2013/2014 was awarded to final year student, Yanique Brown. The requirements for the scholarship stipulate that the recipient has to be a member of the Library and Information Association of Jamaica (LIAJA) and maintain a B+ average for courses.

### Students on the Dean's Honour Roll – Semester I

Alexia Lodge

Avis Holder

Kystelle Scott

Nicoleen Saunders-Grant

Miriam Wray

Telesa Stewart

Yanique Brown

# DEPARTMENT OF LITERATURES IN ENGLISH

**Dr. Michael Bucknor**, BA *UWI,* MA *Univ. Western Ontario*, PhD *Univ. Western Ontario*
**Head of Department**

## WORK OF THE DEPARTMENT

In the 2013/2014 academic year, the Department of Literatures in English continued to consolidate the strategic positioning of the department as a major player in stimulating creativity and critical thinking, as indicated in the 2012–2017 Strategic Plans. The highlight of this year was our energetic programme of book launches, readings, writing workshops, our Poetry Clash on Research Day and the National Recognition of two members of our department. The department also continued to shine its light on the international scene through such events as the international ACLALS conference organized by Dr. Bucknor in St. Lucia, the European Book Tour done by Prof. Cooper and the Scottish Writers visits by two of our Adjunct Staff: Tanya Shirley and

Amba Chevannes. The department will continue to work towards achieving its objectives in the upcoming academic year.

In support of the strategic plan to anchor the department and university as the premier institution for instruction in creative writing, Dr. Erna Brodber was appointed Writer-In-Residence for Academic Year 2013/2014. The department also welcomed Ms. Amina Blackwood-Meeks and Ms. Amba Chevannes as Adjunct Lecturers who allowed us to resurrect courses (Introduction to Orature and Writing for Screen and Stage) that had been dormant for years. The latter course, in particular, allowed us to expand both our film and creative writing offerings; while the former provided an opportunity to build back our oral literature stream, so that next academic year we can offer the second level course, Folk Tale and Proverb. Dr. Rachel Moseley-Wood completed three modules in the Certificate in University Teaching Programme, offered by the Centre for Excellence in Teaching and Learning.

In the area of curriculum development one new course, LITS3806 - Popular Film and Ideology was introduced. This new film course as well as the courses in orature and creative writing that were reintroduced were taught in Semester II and were well received by the students based on the positive feedback given at the Departmental Consultative Committee meeting. The Department also offered three courses in the summer: LITS1003 and LITS3111 taught by Ms. Shala Alert, and LITS2301 taught by Dr. Michael Bucknor. We had not offered a summer programme for years and decided to explore ways in which a summer programme could enhance student through-put, provide an opportunity for a Study Abroad programme in Caribbean Studies for Howard University, for example, and offer more varied learning opportunities for part-time students. Additionally, the Office of the Board for Undergraduate Studies, Quality Assurance Unit conducted a review of the department October 28–November 1, 2013. Dr. James Procter, University of Newcastle, was the Chair of the Review Team along with Ms. Hope Brooks, former lecturer and administrator at the Edna Manley College of the Performing Arts, and Prof. Funso Aiyejina, Dean of the Faculty of Humanities and Education at the St. Augustine Campus. The Review

Report was received from the Senior Programme Officer, Dr. Anna Perkins, and staff members have been reviewing the report and will submit a follow-up progress report to the Deputy Principal's Office. This follow-up report will also be presented at Academic and Faculty Boards by the Head of Department.

## GRADUATE STUDIES AND RESEARCH

The programme continued with a modest cohort of students. The enrolment is expected to increase in the next few years with the introduction of the Blended Masters Programme in Literary and Educational Studies in partnership with the education graduate programme. There is a cohort of lecturers in the teacher's colleges who need to update their preparation in their content area and we are trying to make the MA programme more flexible to meet this demand. The department committee members have re-assessed the programme to make it more viable to this group of students which will involve using more technology in the delivery of these courses. Within the ambit of the course descriptions, graduate courses were also adjusted to accommodate the needs of these students. Two (2) students, Keilah Mills and Bjorn Brown, were selected for the 2013/2014 Departmental Awards. Mr. Brown provided support for Dr. Rachel Moseley-Wood, Associate Dean, Outreach and Marketing. Ms. Mills supported Ms. Lisa Brown, Events Coordinator for the department.

## ACTIVITIES AND OUTREACH EVENTS

As part of its outreach initiative for 2013/2014, the department engaged in various activities with the leadership of the department's Events Co-ordinator, Ms. Lisa Brown. The activities included The Seventh Edward Baugh Distinguished Lecture which was held on Sunday, November 3, 2013 at the Neville Hall Lecture Theatre. Dr. James Procter, Reader at the University of Newcastle, delivered the lecture, "The Small Space: Re-thinking Caribbean Short Fiction." The event was in association with the Quality Assurance Unit, Board of Undergraduate Studies. The

Department hosted the launch of St. Lucian writer Adrian Augier's latest poetry collection, *Navel String* on Sunday, September 22 at the Neville Hall Lecture Theatre (N1). Emeritus Professor Edward Baugh also launched his latest collection of poems, *Black Sand – A Collection of New and Selected Poem*s, on Sunday December 1 at the Neville Hall Lecture Theatre (NI). Dr. Michael Bucknor delivered the launch talk. It was staged in collaboration with the West Indian Association for Commonwealth Literature and Language Studies. Dr. Erna Brodber conducted two 5-week Creative Writers' Workshops. The first was held on consecutive Tuesdays commencing on October 8, 2013. The second was held on consecutive Thursdays commencing on March 20, 2014 as part of March is Literatures in English Month. Public Readings were held for participants of the workshops. The events were held at The Multifunctional Room, Main Library on Tuesday, November 12, 2013 and the Pages Café on Thursday, May 1, 2014 respectively. Participants received certificates at the end of the workshops. Professor Emeritus Edward Baugh conducted a Three-Week Speech Writing Workshop which was held for three consecutive Saturdays from June 7–June 21. Participants received certificates at the end of the workshop.

Our very popular March is Literatures in English Month was an exciting series of the events, planned as part of our outreach initiative. The activities began with a Poetry Writers' Workshop conducted by St. Lucian poet and dramatist, Kendel Hippolyte, on Saturday, March 1. This event was co-sponsored by Artistic Expressions Limited. There were two (2) book launches as part of the month's activities. The Department in association with the Kingston Book Festival launched the latest novel, *As Flies to Whatless Boys*, of Trinidadian/American writer, Robert Antoni, on Saturday, March 1 at Bookland in New Kingston. Dr. Michael Bucknor gave the launch talk. The Department also launched Esther Figueroa's novel, *Limbo* on Sunday, April 6. Professsor Carolyn Cooper delivered the launch talk. On Sunday, March 2, the Department partnered with the Kingston Book Festival to stage "Love Affair With Literature 3" featuring readings by Robert Antoni, Erna Brodber, Richard "Dingo" Dingwall, Kendel Hippolyte and Monica (Winsome) Minott at the Neville Hall Lecture Theatre (N1).

This year, "March is Movie Month at Mona" returned and featured, *The Making of the Monarch,* a film by James Knight which represented the extraordinary career of Antiguan Calypsonian King Short Shirt. This event was held on Friday, March 21 in N1. The series culminated with a film by Menelik Shabazz entitled, *The Story of Lover's Rock* on Friday, March 28 in N1. This film was presented in collaboration with the Department of Sociology, Psychology and Social Work.

## STAFF/POSTGRADUATE SEMINAR SERIES

The Department's Staff/Postgraduate Seminar Series featured the following presenters:

Jodi-Anne Redway, MPhil candidate, presented on the topic "Coming to America: The Evolution of the American Dream in Selected John Grisham Novels" on November 29. Dwight Pennycooke, MPhil student did a presentation entitled, "The Mother and the Patriot: Iterations of Hybrid Subjectivity in Tahmima Anam's A Golden Age" on January 31. Carlton Lowrie, MPhil student did a presentation entitled, "Cultural Nationalism in the Poetry of Claude McKay" on February 14. Dr. Erna Brodber, Writer-in-Residence presented on March 14; her presentation was entitled, "Magic Realism and Me." Aisha Spencer, PhD. candidate presented a paper entitled, "Ignored Life Archives': Woman's Work in the Nation's Interior Spaces in Erna Brodber's *The World is a High Hill*" on March 28. On April 25, Dr. Anthea Morrison, Deputy Dean and Senior Lecturer presented on the topic "Edwidge Danticat and Junot Diaz: Allies in Art and Activism?" Bjorn Brown, MPhil Candidate presented on the topic "Redefining Female Identity in Lorna Goodison's 'Mulatta Poems'" on Friday, May 9. The seminars culminated on Wednesday, May 22 with a presentation entitled, "On Scanning Louise Bennett Seriously" by Dr. Ben Etherington, Research Lecturer at the University of Western Sydney in Australia.

## OUTREACH TO SECONDARY SCHOOL STUDENTS

In keeping with its mandate of supporting the teaching of literatures in

English at the high school level, the Department organized a few interactive sessions for the year. Olive Senior, internationally acclaimed Jamaican writer and poet, visited the WJC on Wednesday, January 15, 2014 and conducted an Interactive Session with high school teachers and students. Her poetry collection, *Gardening in the Tropics*, is currently on the CAPE Literatures in English Syllabus. **Dr. Bucknor** and **Dr. Moseley-Wood** also did presentations at the Open Day at Western Jamaica Campus. On March 3, St. Lucian poet and dramatist, Kendel Hippolyte conducted an "Interactive Session" with CAPE 6 Form students, held discussions with dramatists at the Jamaica School of Drama at the Edna Manley College for the Visual and Performing Arts and conducted a workshop entitled "Author's Notes" for high school teachers of CAPE Literatures in English during his visit. The Department also held The CAPE Literatures in English Lecture/Discussion Series. The sessions were held on Friday, April 4 and Saturday, April 5. Presenters included Ms. Carolyn Allen, **Ms. Lisa Brown, Dr. Michael Bucknor, Dr. Norval Edwards**, Dr. Harold McDermott, Ms. Tanya Shirley and **Mr. David Williams**.

## REGIONAL AND INTERNATIONAL OUTREACH:

**Dr. Michael Bucknor** served his final year as Chair of the Association of Commonwealth Literature and Language Studies (ACLALS). He successfully staged the 16th Triennial ACLALS conference in St. Lucia, August 5 to 9. Highlights of the conference included a Round Table Plenary Conversation between Professor Emeritus Edward Baugh and Nobel Laureate Derek Walcott, the St. Lucian premiere of Walcott's most recent play "O Starry, Starry Night" and a reading by Bocas Litfest award winning writers such as Earl Lovelace and Kendel Hippolyte. Through this conference, the Department of Literatures in English and the University of West Indies established links with universities throughout the world and will pursue collaborative research projects and exchange programmes for the future. In December, he brought greetings on behalf of the department on the occasion of the launch of a Literary Society at the College of Agriculture, Science and Technology. Visiting Academic,

Professor Alison Donnell and Jamaican writer, Dr. Velma Pollard also participated in the event. On Monday, January 13, 2014, he conducted two workshop sessions on "Making Judgements: Key To Good Performance on CAPE Literatures in English Examinations" for 6th Form students at Western Jamaica Campus Open Day. He also presented a tribute to Professor Emeritus Edward Baugh, who was the featured poet at the 25th Poetry Society of Jamaica's Anniversary Celebrations on January 28, 2014. On February 24, 2014 he presented a talk entitled, "The Role of the HoD in the Quality Assurance Review: Challenges and Opportunities," at the Quality Assurance Review Workshop held at the UWI Regional Headquarters. He also participated in a panel discussion entitled "Social Responsibility and Professionalism" at The Mico University College's Research Day activities on April 9, 2014. In his presentation, he focused on "Cultural Preservation and Identity Crafting" as part of the social responsibility of the education sector.

**Professor Carolyn Cooper** did a European lecture tour in August and September to promote her edited book, *Global Reggae*. It was launched in Spain on August 20 at the Rototom Sunsplash Festival's "Reggae University" forum that was inspired by the UWI International Reggae Studies Centre. The UK launch on September 10 was hosted in London by the Jamaica High Commission. She also gave an after-dinner speech at a conference on "Blackness in Britain" at Newman University, Birmingham on September 12 and the next day gave a public lecture in the city on "Global Reggae: Jamaican Culture Big an Broad." On September 18, she gave another public lecture in London, "Chanting Down Sodom and Gomorrah: Heterophobia in Jamaica," before going to Tallinn, Estonia to give one of the keynote lectures at the 19th congress of the European chapter of the Society for Intercultural Education, Training and Research (SIETAR Europa). She spoke on the topic, "Glocal Reggae: Jamaican Popular Music and the Politics of Cross-Cultural Communication." She also did several media interviews: on Rototom Sunsplash TV; BBC radio (Midlands); BBC World Service and Vox Africa TV as part of the lecture tour. On October 14, she gave a public lecture entitled, "Sounds of Freedom," at the Cavehill Campus, for the Jamaican Association for Students. She also gave a public lecture

and launched her edited collection of essays, *Global Reggae*, at Multitudes Art Gallery in Miami, Florida. Her lecture launched the programmes of the Miami Reggae Festival scheduled for November 23, 2013 at Peacock Park. On Friday, February 21 she delivered a "Global Reggae Talk" at the annual UWI Research Days Activities. The presentation focused on how the globalization of reggae music affirms the identity of Jamaican people. She also gave a lecture on "Glocal Reggae" at the Matias Romero Institute in Mexico City on March 4, 2014. In addition, she participated in a panel discussion entitled "The New Teacher: What's New?" at The Mico University College's Research Day activities on April 9.

**Dr. Moseley-Wood** conducted two workshop sessions on Film Studies for 6th form students and a presentation to Guidance Counsellors at the Western Jamaica Campus Open Day on Monday, January 13.

**Ms. Amba Chevannes**, Adjunct Lecturer in Creative Writing, was invited to Glasgow, Scotland where one of her plays, *"The Last Bloom*," was featured in "A Play, A Pie, A Pint," Scotland's Theatre Revolution.

Adjunct Staff, **Ms. Tanya Shirley** was one of six poets chosen from the Commonwealth to participate in the Commonwealth Poets United Project hosted by the Scottish Poetry Library and other sponsors. She travelled to Scotland where she did a reading at the University of Glasgow, an interview with the BBC, and a podcast with the Scottish Poetry Library. She also conducted a workshop and did a reading at Scotland's International Poetry Festival, St Anza 2014. Ms. Shirley also hosted a Scottish poet who visited Jamaica in June.

## STUDENT MATTERS

The Department hosted its annual First Year Social on Thursday, October 2, at the Multifunctional Room, UWI Main Library. Students and lecturers enjoyed the interactive session. The Annual Faculty Awards Ceremony was held on Thursday, November 7. Students Bjorn Brown, Christine Collins, Ayesha Hart, Nardia Lipman, Kimberley McIntyre, Marlon Pownall, Alexis Samuels, Kimberley Small and Adam Webb were presented with awards. The Mervyn Morris Prize was also introduced

for the first time in honour of Mervyn Morris, a retired professor of the department. The Mervyn Morris Prize is for the student who achieved the highest mark in the second level course, Creative Writing: Poetry (LITS2603). Two students won the inaugural prize. The department continues to seek external donors to support future awards. Dr. Erna Brodber, Writer-in-Residence, coordinated the "Prose Fiction Readings" event at the annual UWI Research Days activities held on Thursday, February 20. Two outstanding students (Xavienne-Roma Richardson and Gary Morgan) from the Creative Writing: Prose Fiction course read their creative responses to an art work on campus. The title of the event was "Meditations on Ronald Moody's Savacou." Ms. Tanya Shirley, Adjunct staff, coordinated the "Poetry Clash Competition" at the annual UWI Research Day held on Thursday, February 20. Unpublished poets (UWI students) competed and the top three (3) winners received a cash award. Peta-Gaye Williams won the 1st prize; Debronique Ellis won the 2nd prize and Deidre Lewis, the 3rd prize. Because of the large crowd the competition attracted and the overwhelmingly positive feedback received, it will be featured as an on-going department event. On March 3, St. Lucian poet and dramatist, Kendel Hippolyte conducted an "Interactive Session" with the West Indian Poetry (LITS2503) class about his collection of poems, *Night Vision*. In an effort to provide guidance to our English Majors, the Department held its annual "Life After the Degree in Literatures in English" event on Thursday, March 6. The theme was, "Banking on the Literatures in English Degree." Guest speakers Shirley Bartley-Byfield, Michelle Rose and Noelle Williams from The Bank of Nova Scotia, shared with students how their literature degree was valuable in banking. Two (2) Departmental Consultative Committee (DCC) meetings were held on Thursday, November 13, 2013 and Friday, March 27, 2014 respectively. These meetings allowed lecturers to meet with class representatives and receive reports from them regarding the courses taught with the aim to improve the department's course delivery. The students were generally pleased with our teaching, but complained about the faulty electronic equipment available in the faculty. The failure of the equipment was particularly troublesome for the delivery of our film courses. Two (2) Readings were held across the

academic year for students of the Creative Writing: Prose Fiction (LITS2604) course taught by Dr. Erna Brodber. Students read their Final Pieces on Wednesday, December 11, 2013 and Tuesday April 22, 2014 respectively.

## STAFF MATTERS

The Department welcomed **Dr. Erna Brodber** who was appointed as Writer-In-Residence for Academic Year 2013/2014. Other adjunct staff included **Tanya Shirley** who was employed on a one year contract, substituting for Dr. Mawuena Logan who was on sabbatical leave. **Ms. Carolyn Allen, Ms. Amina Blackwood-Meeks,** and **Ms. Amba Chevannes** were employed as part-time lecturers. The department congratulated **Prof. Carolyn Cooper** on being awarded the Order of Distinction, Commander Class, by the Government of Jamaica. The department was delighted with the announcement of the appointment of P**rofessor Emeritus Mervyn Morris** as Poet Laureate of Jamaica. Professor Morris has been a beloved teacher, generous mentor for writers, seminal critic on West Indian Literature and efficient administrator who has played a significant role in the "making of West Indian Literature." As a fine poet whose technical facility is legendary, an enthusiastic anthologist of other poets, an enabling editor of such important figures as Louise Bennett, Mickey Smith and Mutabaruka and a balanced critic and reviewer of the creative output of the region's writers, he is perfectly suited for his new role. Prof. Morris has demonstrated the value that institutions such as the Department of Literatures in English and, by extension, the University of the West Indies can bring to the nurturing of the creative imagination, so important in the development of a nation. The Department of Literatures in English at the University of the West Indies, Mona congratulated Professor Morris on this appointment. The Department noted the passing of a former member, Mrs. Gloria Lyn. She was employed at UWI for 20 years (January 1972–September 30, 1992). Her daughters have kindly consented to use contributions at her memorial service to start The Gloria Lyn Fund which will provide the Gloria Lyn Prize for West Indian Literature (for the best performance each year in

any West Indian Literature course). They also hope to provide a scholarship when the fund builds up and to create a community in support of creative expression and the celebration of the value of literature. They hope to launch the fund in November 2014 and to present the first Gloria Lyn Prize at the 2014 Faculty Awards Ceremony. We also note with regret the passing of former tutor and Ph.D. student, Dr. Mary Hannah. The family of Mary Hannah donated contributions made in her memory to the West Indies Collection of the UWI Main Library.

## PAPERS PRESENTED

- **Dr. Michael Bucknor** attended the "Understanding Canada" workshop-conference at McMaster University between September 26–29, 2013 to present a paper on "Austin Clarke and Canada in the Development of West Indian Literature." He also presented a paper entitled "'Art Within Art Within Art': Artistic Self-Consciousness, Multi-textuality and The Question of Ideological Commitment in Edward Baugh's Poetry" at the 32nd West Indian Literature Conference held at the College of Bahamas, Nassau, October 10–12. Between March 20–23 Dr. Bucknor presented a paper entitled "Networking Capitals of Black Cultural Production (Bridgetown, London and Toronto): Revising Caribbean Literary History, Inserting Canada in Black Atlantic Studies" at the annual meeting of the American Comparative Literature Association on the theme, "Capitals," New York University. On June 3 and June 9, 2014, he presented the paper "Performing Masculinities in Global Black Diasporas: Romantic Gender Revolutions and Jamaican Popular Culture" at the University of Leicester and Newcastle University. Also, at the University of Warwick, he presented a paper entitled, "London, Bridgetown and Toronto: Networking Capital of Black Cultural Production" on June 10.
- **Professor Carolyn Cooper** presented the paper, "'Too Black, Too Strong': Imagining Haiti in Caribbean Popular Culture," in Haiti at the 25th annual conference of the Haitian Studies Association, November 7–9. Professor Cooper also made a presentation at the

Regional Conference on Intellectual Property and the Creative Industries on the topic "Creative Industries as a Factor for Economic Growth" on February 10, at the UWI Regional Headquarters. On March 19, she gave the keynote lecture, " 'Mek We Talk Bout de Bottom of de Sea': Submerged Narratives in Caribbean Literature and Popular Culture," at the 5th Graduate Student Conference, hosted by the English Department, University of Puerto Rico, Rio Piedras.

- **Dr. Mawuena Logan** presented a paper titled: "Before the Earthquake: Narrating/Representing Haiti in Aimé Césaire's The Tragedy of King Christophe" in Port-au-Prince, Haiti, at the 25th Annual Haitian Association Conference, November 7–9.
- **Dr. Anthea Morrison** represented the department at the 32nd Annual West Indian Literature Conference at the College of Bahamas, Nassau; October 10–12, 2013. The theme of the conference was "Multiple Textualities: Imagining the Caribbean Nation." She also presented a paper entitled "Danticat and Diaz, 'Immigrant Artists' in Northern Cities" at the annual meeting of the American Comparative Literature Association, New York University, March 20–23, 2014.
- **Dr. Rachel Moseley-Wood** presented a paper entitled "Jamaican Film Practice and the Fallacy of Nationalism" at the West Indian Literature Conference, held at the College of Bahamas, Nassau, October 10–12. She also presented a paper at the 39th Annual Caribbean Studies Association Conference in Merida, Mexico, May 26–30, 2014. The paper was entitled "Alienated Spaces in Chris Browne's Third World Cop and Ghett'a Life"

## PUBLICATIONS

- **Cooper, C.** Review of the book *Geographies of the Haitian Diaspora in Journal of Haitian Studies*, 19. 1 (Spring 2013): 290–293.
- **Bucknor, M.** "On Caribbean Masculinities" Special Issue on "Intellectual Formations: Locating a Caribbean Critical Tradition." *Anthurium: A Caribbean Studies Journal* 10.2 (November 2013) Art 7: 1–4.

- **Moseley-Wood, R.** "Ambivalence in the Image: The Jamaica Film Unit and the Narrative of the Emerging Nation" in the *Jamaican Historical Review* 26 (2013): 47–66.

## PUBLIC SERVICE

**Ms. Lisa Brown**

– Adjudicator, JCDC Creative Writing Competition 2013 – Short Story Category.

**Dr. Michael Bucknor**

– Editor, *Journal of West Indian Literature*

– Editorial Board Member, *Caribbean Quarterly*

– Member, Board of Readers, Issues in Critical Investigation, Vanderbilt University, USA.

– Senior Editorial Advisor, *Lucayos*, College of the Bahamas. (Regional Refereed Publication)

– Executive Member, Association for Commonwealth Literatures and Languages Studies (ACLALS)

– Member, University Council of Jamaica's Evaluation Team for Bachelor of Arts English Programme in a tertiary institution.

**Professor Carolyn Cooper**

– Member, Board of Directors, Development Partners and Management International Limited, Kingston

– Regional Editor (Caribbean), *Interventions: International Journal of Postcolonial Studies*, Routledge.

– Weekly column for *The Sunday Gleaner*.

**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

– Member, National Library of Jamaica/Ministry of Tourism and Culture selection committee for Poet Laureate of Jamaica

**Mawuena Logan**

– Member, Ghanaian Association in Jamaica, Kingston Jamaica

– Member, Alliance Francaise de la Jamaique, Kingston, Jamaica

**Mr. David Williams**

– Member, Executive Committee of the Jamaica Association for Mentally Retarded Persons.

## CATEGORIES OF STUDENTS

| | |
|---|---|
| **Undergraduate** | |
| Majors | 170 |
| First Class Honours | 3 |
| **Postgraduate** | |
| Registration: | |
| PhD | 2 |
| MPhil | 6 |
| MA | 12 |

# DEPARTMENT OF MODERN LANGUAGES AND LITERATURES

**Dr. Paulette A. Ramsay**, BA, MA, PhD *UWI*
**Head of Department**

The 2013–2014 Academic Year commenced with a number of new members joining the Department: Dr. Nina Bruni – Lecturer in Spanish (Argentinean), Mr. Yefferson Romaña – ICETEX Instructor of Spanish (Colombian), Miss Gwenaelle Huydts – French Assistant, and Miss Aya Tamura, Japanese Volunteer sponsored by JICA.

The Department renewed its commitment to achieving the goals of its Operational Plan for 2011/2012–2013/2014. (See Table 1).

For the second year since the implementation of the policy for Repositioning Foreign Languages in The University of the West Indies (Mona), the Department witnessed an increase in the number of students, especially in the French section, Preliminary and Level I Spanish Language Courses (See Tables 2–9).

**Table 1:** Operational Objectives for (2013–2014 Academic Year)

| Objectives | Results |
|---|---|
| 1. – Promote and conduct continuous curricular renewal.<br>– Complete Japanese Minor. | – Completed.<br>– Japanese Minor submitted and approved. |
| 2. Recruit high quality staff. | Two (2) Lecturers with PhD in hand recruited. |
| 3. Recruit high level students. | An on-going challenge. |
| 4. Enhance learning effectiveness through more diverse resources e.g. Online Teaching. | Greater use of technology, Skype, Facebook and online resources in teaching – (OURVLE problems in 2013–2014 proved problematic). |
| 5. Increase enrolment of full time Graduate Students. | Partially achieved and ongoing – increased numbers will be reflected in 2014–2015 registration. |
| 6. Increase number of projects for income generation. | Partially achieved and on-going.<br>i. Translations (modest income).<br>ii. Lunch time courses (very modest income).<br>iii. Inter-American Development Bank (IDB) classes. (Some income earned).<br>iv. Summer School (modest income). |

**Table 2:** French Courses Semester 1 (2011/2012 – 2013/2014)

| Code# | Course Title | 2011/ 2012 | 2012/ 2013 | 2013/ 2014 |
|---|---|---|---|---|
| FREN0001 | (F 01B) Basic French | 22 | 29 | 23 |
| FREN0101 | (F 02A) Beginners' French I | 71 | 81 | 76 |
| FREN1001 | (F14A) French Language 1A | 24 | 26 | 22 |
| FREN1304 | (F 13D) Introduction to French Caribbean and African Literature and Film | – | 18 | 12 |
| FREN2001 | (F24A) Seminar French Language IIA | 20 | 28 | 26 |
| FREN2807 | Francophone Women Writers: Perspectives on Women's Issues in Literature | – | 20 | 12 |
| FREN3001 | (F34A) French Language IIIA | 16 | 15 | 17 |
| FREN3003 | Business French | 12 | 11 | 14 |
| | **Total** | **165** | **228** | **202** |

**Table 3:** French Courses Semester II (2011/2012 – 2013/2014)

| Code# | Course Title | 2011/ 2012 | 2012/ 2013 | 2013/ 2014 |
|---|---|---|---|---|
| FREN0001 | (F 01B) Basic French | 26 | 26 | 44 |
| FREN0102 | (F 02B) Beginners' French II | 62 | 57 | 72 |
| FREN1002 | (F14B) French Language 1B | 21 | 17 | 16 |
| FREN1305 | (F 13E) Introduction to French Literature and Film | 14 | 10 | 8 |
| FREN2002 | Seminar French Language IIB | 18 | 23 | 23 |
| FREN2214 | (F 22N) Francophone Culture | 16 | 16 | 17 |
| FREN3002 | (F34B) French Language IIIB | 12 | 16 | 15 |
| FREN3508 | Caribbean Literature in French II | – | 13 | 10 |
| | **Total** | **169** | **178** | **205** |

**Table 4:** Preliminary Spanish Courses Semesters I & II 2012–2014

| Course Code# | Course Title | 2012/2013 Sem. I | 2012/2013 Sem. II | 2013/2014 Sem. I | 2013/2014 Sem. II |
|---|---|---|---|---|---|
| SPAN0001 | (S01B) Basic Spanish | 198 | 81 | 165 | 84 |
| SPAN0101 | (S01C) Beginner's Spanish I | 74 | – | 91 | 27 |
| SPAN | (S01D) Beginner's Spanish II | – | 126 | – | – |
| SPAN1000 | (S10C) Intermediate Spanish | 78 | 25 | 79 | 69 |

**Table 5:** Registration Per Faculty S01B/SPAN0001/ Basic Spanish (Semesters I & II, 2012–2014)

| Faculties | 2012/2013 | 2013/2014 |
|---|---|---|
| Humanities | 221 | 173 |
| Science & Technology | 25 | 56 |
| Social Sciences | 37 | 27 |
| Medical Sciences | 15 | 16 |
| N/A | – | – |
| Gender | 4 | 2 |
| Law | 5 | 2 |
| **Total** | **307** | **276** |

**Table 6:** Registration Per Faculty S01C/SPAN0101 Beginner's Spanish (Semesters I & II, 2013/2014)

| Faculties | 2012/2013 | 2013/2014 |
|---|---|---|
| Humanities | 23 | 38 |
| Science & Technology | 12 | 10 |
| Social Sciences | 37 | 61 |
| Medical Sciences | 1 | 7 |
| N/A | – | – |
| Gender | 1 | 2 |
| Law | 1 | – |
| **Total** | **75** | **118** |

**Table 7:** Registration Per Faculty S10C/SPAN1000 Intermediate Spanish (Semesters I & II, 2012–2014)

| Faculties | 2012/2013 | 2013/2014 |
|---|---|---|
| Humanities | 21 | 48 |
| Science & Technology | 28 | 34 |
| Social Sciences | 41 | 60 |
| Medical Sciences | 3 | 14 |
| N/A | 1 | 1 |
| Gender | 1 | - |
| **Total** | **95** | **157** |

**Table 8:** (S11A) Spanish Language 1A Semester I (2011–2014)

| Course Code# | Course Title | 2011/2012 | 2012/2013 | 2013/2014 |
|---|---|---|---|---|
| SPAN1001 | (S11A) Spanish Language 1A | 50 | 68 | 52 |

**Table 9:** (S11A) Spanish Language 1A & (S11B) Spanish Language 1B Semester II (2011–2014)

| Course Code# | Course Title | 2011/2012 | 2012/2013 | 2013/2014 |
|---|---|---|---|---|
| SPAN1001 | (S11A) Spanish Language 1A | 32 | 39 | 37 |
| SPAN1002 | (S11B) Spanish Languages 1B | 47 | 54 | 32 |

### DEPARTMENTAL ACTIVITIES

The Departmental retreat included presentations on broad Foreign Language Pedagogy and Curriculum Reform. Several activities designed to promote Foreign Languages, Literatures and Cultures on the Campus and in the wider society were developed for implementation and execution during the academic year.

### SEMESTER 1

### DEPARTMENTAL ACTIVITIES

#### September–December 2013

- Course to Inter-American Development Bank (IDB): The Department designed and delivered a course to the staff of the IDB. The course was delivered by Miss Andrea Cortés who successfully motivated the

group to learn and acquire some linguistic skills in Spanish, especially in the area of Banking and Economic terminologies. This was an income generating project.

- Jamaica Translators and Interpreters Association (TIA) Career's Talk, FHE. – New Education Lecturer Theatre, October 17, 2013. Presenters: Mrs R. Barnett-Passard, Mrs E. Nuñez, Ms B. McLaren, Dr M.-J. Nzengou-Tayo.
- The Department of Modern Languages and Literatures, through the Spanish Club facilitated, in collaboration with the Embassy of Mexico, an International Film Series dedicated to Luis Buñuel from October 14–November 14, 2013.
- The Department hosted thirty students from the Winston Jones High School on October 31 from 1:00 to 4:00. Students participated in a Workshop "Columbians and Latin American Culture and the Importance of Studying a Foreign Language." It was jointly conducted by Mr. Yefereson Romaña and Miss Yenny Vargas. The students also participated in the activities of the Spanish Club.

**Participation in University Activities (Office of Recruitment)**

- School visits with Office of Recruitment (Hillel, Campion, American International School, Pegasus Hotel – Mr O. Martinez; Immaculate Conception High School – Dr P. Ramsay).
- Meeting of all Clubs – Chinese, French, and Spanish.

**SEMESTER 2**

**Individual initiatives:**

- Seminar for Ardenne High School – May 3, 2014 – Dr M.-J. Nzengou-Tayo.
- Participation in JAFT's French Vocabulary Competition. St. Andrew High School, May 16, 2014. (2 judges) – Ms G. Huydts, Dr M.-J. Nzengou-Tayo.

## DEPARTMENTAL ACTIVITIES

- Chinese Culture Week, March 3–7, 2014 – The Confucius Institute marked its fifth anniversary with a week-long celebration of various cultural events. These included lectures, dances and the showing of films.
- The Department hosted a Writing Workshop conducted by Venezuelan poet and Professor Luis Felipe Bellorín Neda on March 22, 2014.
- **Inter-Campus Modern Languages and Literatures Theatre Festival**, – March 25–26, 2014 – All staff: The Department hosted thirty-five (35) students and Lecturers from Cave Hill and St. Augustine Campuses respectively, for the inter-campus Theatre Festival. The event concluded with the Modern Languages and Literatures Day on March 27, 2014.
- **Modern Languages and Literatures Day**, March 27, 2014, was attended by more than 320 students and teachers from across the island. Students viewed typical items from different countries and sampled cuisine of the five language areas; Chinese, Japanese, French, Spanish and Portuguese. They participated in discussions and seminars on the Culture of Different Countries. The event ended with a concert in which UWI students sang, recited poems, danced and made other cultural presentations, typical of different countries.
- **CAPE Revision Workshop**, April 26, 2014 – Spanish and French sections. More than fifty (50) students from High Schools across Jamaica participated.
- **Japan Day**, celebrated with displays and performances by students on April 3, 2014 – Mrs. T. Iijima-Kelly, Ms. A. Tamura – co-ordinated the activities.
- **Japanese Speech Contest**, May 17, 2014 – Mrs. T. Iijima-Kelly, M.s A.Tamura. Six persons participated for a prize trip to Japan, sponsored by the Embassy of Japan.

### Participation in Faculty Activities

- Research Day exhibits and activities, February 19–21, 2014 (Displays, micro-teaching, entertainment) – All Faculty members.

- Faculty of Humanities Week, February 26, 2014. Only the Spanish section participated in this activity.

### Participation in University Activities (Office of Recruitment)

- School visits with Office of Recruitment: Mr. Martínez participated in several visits.

### Students' Outreach Activities

- Participation in U-Tech International Language Day, November 22, 2013. University of Technology (UTECH) Initiative. French, Spanish, Japanese and Chinese sections supported this.
- Visit to National Children's Home (assistance with homework and entertainment) – French Club.
- French Ciné – Club: 3rd Thursday of every Month (1st and 2nd Semesters).
- Visit to Liguanea School for the School's International Day – Spanish Club.
- Participation in Latin-American Cultural Expo – Spanish Club.
- Participation in the Luis Buñuel Film Festival – Spanish Club.
- Peer-to-Peer teaching/learning – Spanish Club.
- Japan Day Activities, April 3, 2014: Origami, course introduction, dances, quiz, food sale and ambassador's visit – Japanese Club.
- Spanish Writing Workshop.
- Seven (7) of our students sat the Hanyu Shuiping Kaoshi (HSK) Exam – Standardized Chinese Proficiency Test in May 2013 and gained mastery at their level.

## FACULTY ACHIEVEMENT

- Miss Nina Bruni successfully defended her PhD. thesis entitled, "A Critical Analysis of Marcio Veloz Maggiolo's Vision of Society and

Culture as Presented in his Narrative," with High Commendation. The Department congratulates Dr. Bruni.

### STAFF/ POST-GRADUATE SEMINARS – SEMESTERS I & II

The Department hosted its Staff/Graduate Seminar on November 28, 2013. Two members of the Department, Mrs. Yingping Liang (Lecturer) and Ms. Andrea Cortes (Foreign Language Instructor) presented on "Insights Into Chinese Culture: Wisdom and Beliefs" and "Error Analysis in Written Composition of Spanish as a Foreign Language of First Year Students at The UWI" respectively.

**Ms. Nina Bruni** – "Spanish Language: Classroom Research at The University of the West Indies (St. Augustine, Cave Hill and Mona) 2000 to present."

**Mr. Aldean Ellis** (Post-Graduate student) "Spanish Caribbean Women in Exile: A Literary Examination of the US Immigrant Experience."

### CONFERENCES ATTENDED

**Miss Nadine Barnett**

- AATSP (American Association of Teachers of Spanish and French) 96th Conference July 8–11 in Panama.

**Dr. Françoise Cévaër**

- "Avant et après le séisme: réflexion sur l'évolution du personnage du policier dans les romans de Gary Victor", presented at the Haitian Studies Association (H.S.A), 25th annual conference, Pieton-Ville, Haiti, November 7–9, 2013.

**Dr. Marie-José Nzengou-Tayo**

- Presenter: "Plus jamais comme avant: Life in Post-Earthquake Port-au-Prince and Its Surroundings in Kettly Mars' Aux frontières de la soif." Haitian Studies Association 25th annual Conference. Pétionville, Haiti, Hotel Karibe. November 8, 2013.

**Dr. Paulette A. Ramsay**

- Centre for Black and African Arts Civilization (CBAAC) International Colloquium Conference. April 24–25, 2014. The University of the West Indies, Mona Campus.
- February 14–16, 2014. Dr Paulette Ramsay, Dr Courtney Hogarth and Prof Lu Shaogang attended the 5th Confucius Institute Conference "Panama–Jamaica–Chinese Connection." Miami Dade Confucius Institute Conference.
- February 9–14, 2014. "Foreign Language Teaching and the Preparation of University Graduates as Global Citizens." 9th International Conference of Higher Education. Havana Cuba.
- October 30–November 4, 2013. "Masculinity in Post-Colonial Context." 7th Biennial Conference of the Association for the Study of the Worldwide African Diaspora (ASWAD). Santo Domingo, Dominican Republic.

**PAPERS PRESENTED AND CONFERENCES/WORKSHOPS**

**PUBLICATIONS**

**Dr. Nina Bruni**

- Translation 2014. Cowie, Lancelot. "El impacto regional e internacional de The Mighty Sparrow en la esfera del calypso." Cuadernos del Centro de Investigaciones Culturales-Museo (CIC), Universidad Autónoma de Baja California. Original English versión: Cowie, Lancelot. "The regional and international impact of The Mighty Sparrow in the calypso arena." Calypso as an instrument of social justice. Ed. Fondazione Adkins Chiti: Donne in Musica. Roma: International Music Council; Fondazione Adkins Chiti: Donne in Musica; Ford Foundation; Editore Colombo, 2007. 65–77.

**Dr. Françoise Cévaër**

- (Nick Stone: la créolisation du thriller à travers le prisme du trickster> (The creolization of thriller through the prism of the treickster), in

*Antillanité, créolité, literature-monde,* ed. Iabelle Constant, Kadhuidi C. Mabana and Philip Nanton, Cambridge Scholars Publishing, Newcastle, UK, 2013, 109–124.

– <Avant et après le séisme: Réflexions sur l'évolution du personage du policier dans les romans de Gary Victor>, the Haitian Studies Association (H.A.S.), 25th annual conference, Petion-Ville, Haiti, November 7–9, 2013.

**Dr. Marie-José Nzengou-Tayo**

- 2014 Review of Bonel Auguste, Un cri Lola. La Roque d'Anthéron: Vents d'ailleurs – Fragments, 2013. 63 pages. JOHS. *Journal of Haitian Studies.* Vol 19. No. 2. (Fall 2013). Santa Barbara: Center for Black Studies Research. Pp. 221–224. Print. Electronic Version: DOI: 10.1353/jhs.2013.0022.

– Presenter and Facilitator: New CAPE French Syllabus. MOE – JAFT– Alliance Française Workshop for French Teachers. February 28, 2014, Alliance Française, Kingston.

– Presentation: "New Paradigm for Testing" at the National Conference of Foreign Language Teachers, organized by the MOEY Core Curriculum Unit, held at Caenwood Auditorium. September 27, 2013: 15'.

– Panel Chair. "Before and After the Earthquake: Changes in Representations of Haiti." Haitian Studies Association 25th annual Conference. Pétionville, Haiti, Hotel Karibe. November 7–9, 2013.

– Panel Chair. Panel 5B "Haiti and the Dominican Republic: Development and Regional Integration." SALISES Conference Re-Thinking Regionalism: Beyond the CARICOM Integration Project. October 7–9, 2013. UWI Regional Headquarters. October 8, 2013.

**Dr. Paulette A. Ramsay**

- "Shirley Campbell's Ideology of Historiographic Legitimation." *Hispania*, Volume 97 Number 1 (March 2014.) 140–153.
- "When Trees Speak with the Tongues of Women: Eco-Feminism and

Female Empowerment in Selected Afro–Mexican Folktales" *PALARA* (Fall 2013.) 60–72.

- Poetry: "The Way She Was", "Closing Doors", "Her Majesty's Seal", "Potiphar's Wife" *Proud Flesh: New Afrikan Journal of Culture, Politics and Consciousness* (2013): Issue 8. 125–128.

– Discussant, Centre for Black and African Arts Civilization (CBAAC) International Colloquium. "Anthropological, Archaeological, and historical investigation of the areas of origins and contemporary domicile of the African Diaspora." April 24–25, 2014. The University of the West Indies Mona Campus.

– Chairperson. Centre for Black and African Arts Civilization (CBAAC) International Colloquium. "Culture, Education and Leadership and Global African Development." April 24–25, 2014. The University of the West Indies Mona Campus.

**Professor Claudette Williams**

- Introduction to Juanamaría Cordones-Cook's Soltando amarras y memorias: mundo y poesía de Nancy Morejón UNEAC, Havana, 2013, pp. 5–9.

## PUBLIC AND PROFESSIONAL SERVICES

**Dr. Marie-José Nzengou-Tayo**

– Judge – JAFT Vocabulary Competition. May 16, 2014. St. Andrew High School.

– Presenter. CAPE Revision Seminar for Ardenne High School on Dany Laferrière's Pays sans chapeau. May 3, 2014.

– Presenter. CAPE Revision Seminar for High School Students. Maryse Condé's Pays mêlé. Department of Modern Languages & Literatures, UWI, Mona, April 26, 2014.

– Interview about the Dominican Constitutional Court ruling depriving Dominicans of Haitian descent of their citizenship. Front Page on Nation Wide Radio with Kara Powell. November 1 (15 minutes).

**Dr. Paulette A. Ramsay**

- Member of CAPE Modern Languages Examining Committee
- E–Learning Jamaica – Writing and Adapting Spanish lessons for online teaching.
- Standpipe Outreach Programme (Mona Chapel).
- Editorial Board – PALARA – Dartmouth College, USA.
- Review Editor, *Caribbean Journal of Education*, The UWI, Mona.
- Editorial Board – *Quality Education Review*, The UWI Mona.

**Professor Claudette Williams**

- QA Assessor, University Council of Jamaica.
- Editorial Board Member, *Afro-Hispanic Review*.
- Peer reviewer for *Afro-Hispanic Review, Contemporary Caribbean dynamics: Re-configuring Caribbean Culture*.

**Dr. Nina Bruni**

- CENLAC Committee Member, UWI, St. Augustine.

**Dr. Marie-José Nzengou-Tayo**

- Interview with Carole Bérotte-Joseph, Past President of Haitian Studies Association. (Interviewer, 25'). November 9, 2013. H.S.A. 25th Anniversary Documentary Project.
- – Peer Reviewer for *Caribbean Quarterly, JOHS: Journal of Haitian Studies.*
- Member of Renee Latchman's Advisory committee. Morgan State University, Baltimore, Maryland.
- Resource person for French Graduate students (on Haiti and on French Foreign Language Teaching in Jamaica).

**Dr. Paulette A. Ramsay**

- Member, Organising Committee Centre for Black and African Arts Civilization (CBAAC).

## REVIEWER WITH JOURNALS

– *The Journal of Learning and Teaching Learning.*
– *Caribbean Journal of Education.*
– *Caribbean Curriculum.*

## PROFESSIONAL SERVICES

**Dr. Marie-José Nzengou-Tayo**

– Consecutive interpreting and simultaneous interpreting. CDCC Meeting of ECLAC in Kingston, April 23 and April 25, 2014.
– Simultaneous interpreting (English-French) for Private Sector Company. Montego Bay Conference Centre. February 10, 2014.
– Consecutive interpreting for Haitian delegates during the visit of Haitian President Joseph Michel Martelly in Kingston, Jamaica. November 15, 2013.
– Simultaneous interpreting (English-French). VIH/AIDS & Vulnerable communities. Kingston Conference Centre. November 18, 2013.
– CEPALC Conference. Ministry of Foreign Affairs and Foreign Trade. Montego Bay Conference Centre. October 24–25, 2013.
– Assistance with interpreting. French-English (pro-bono). October 7, 2013. SALISES Conference Re-Thinking Regionalism: Beyond the CARICOM Integration Project. October 7–9, 2013.
– Translations for Caribbean Studies Association (pro-bono).
– Translation of documents for the Department of Modern Languages & Literatures.

**Dr. Marie-José Nzengou-Tayo**

– Workshop on the New GPA System. (Facilitators: Dr. Mervyn Chisholm; Prof. Stafford Griffith, Dr Vivette Milson-Whyte), CETL-IDU. May 1, 2014.

- Workshop on Stimulating and Motivating Students in the University Classroom Using 21st Century Technology. (Facilitator: Prof. David Yearwood). CETL-IDU. October 11, 2013.
- Workshop on Course-Design (Facilitator: Dr. Mervyn Chisholm), CETL-IDU. August 14, 2013.
- Workshop on use of Moodle 2. (Facilitator: Mr. Kirk Wilson), ISS-MITS. August 14, 2013.
- Blended Learning Workshop. (Facilitator: Mrs. Michelle Stewart-McKoy), CETL-IDU. August 15–16, 2013.
- Contribution to Consultancy Fund for 2012–2013: JMD 24,652.76.

# SCHOOL OF EDUCATION

**Professor Stafford Griffith**, BA *UG*, MEd *UG*, PhD *UWI*, LL.B *Lond*
**Director**

## OVERVIEW

The repositioning of the School of Education (SOE) continued in the academic year 2013/2014. 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.

The SOE Advisory Board was established with Mrs. Maxine Henry-Wilson as Chairman. The inaugural meeting of the Board which was scheduled for July 2014 was rescheduled for September 2014 due to competing schedules of critical members. The circulated agenda for the inaugural meeting includes a review of the role the Board is expected to play and a consideration of the strategic direction of the SOE.

## TEACHING AND LEARNING

As part of its curriculum renewal efforts, the SOE is seeking to restructure the current Master's degree programmes to offer the option of a taught Master's which does not require a research project. The paper on Restructuring the Taught Masters is expected to go through its final approval stage by the end of September 2014, having already gone through the approval processes of Faculty Board, Academic Board and Campus Committee for Graduate Studies. Approval will facilitate improved throughput and completion rates of graduate students. It will also lead to a reduction of the time that lecturers spend on supervision of research projects. It is expected that this will enable lecturers to increase their research activities and publications output and devote more time to the supervision of MPhil/PhD students.

The School of Education is committed to the pursuit of multi-modal delivery of courses and programmes. The concurrent delivery of the special Master of Arts in Teaching (M.A.T.) – Part I programme at four sites via the Single Virtual University Space (SVUS) was initiated during the academic year. The four sites involved are the Mona Campus, the Western Jamaica Campus, Montserrat and St. Lucia. Initial steps were also taken for the special online offer of an MPhil/PhD programme. The approval for the full implementation of this programme is expected by the end of September 2014, having already gone through the approval processes of the Campus Committee for Graduate Studies.

The SOE secured the services of a two-person team of consultants from the U.S. to conduct a review of the Science, Mathematics and Information Technology (SMIT) Centre and to make recommendations for its revitalization as a Science, Technology Engineering and Mathematics (STEM) Education Centre. A small working group comprising staff of SOE and one other UWI Department has been established to review the consultants' report with a view to developing a firm plan of action for the SOE. Once the working group has completed the plan, the SOE will recruit a Coordinator of the STEM Centre and seek to have it fully operational during the 2014–2015 academic year.

Significant progress has been made with the revision of the practicum for

students in programmes preparing them for the teaching profession. The revisions are being made to ensure full satisfaction of the requirements of the University Council of Jamaica (UCJ) for entrants into the teaching profession in Jamaica.

Table 1 provides a summary of the number of students who were awarded First Class Honours, Second Class Honours and Pass Degrees for 2013–2014.

**Table 1:** Bachelor of Education Awards 2013–2014

| First Class Honours | Second Class Honours | | Pass |
|---|---|---|---|
| | Upper | Lower | |
| 18 | 57 | 45 | 1 |

Table 2 shows the number of students who completed the requirements in eleven specializations for the award of the Master of Education or Master of Arts degree in 2013–2014.

**Table 2:** M.Ed. and M.A. Students Who Completed in 2013–2014

| Specialization | No. Completed |
|---|---|
| Curriculum Development | 14 |
| Educational Administration | 7 |
| Educational Measurement | 2 |
| Educational Psychology | 1 |
| Language Education | 8 |
| Literacy Studies | 15 |
| Mathematics Education | 7 |
| Primary Education | 2 |
| Science Education | 2 |
| Teacher Education and Teacher Development | 1 |
| Technical and Vocational Education and Training (TVET) | 7 |
| **Total** | **66** |

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

- Number of students who completed Part 1 in 2013–2014.
- No of students who opted to pursue Part 2 in 2014–2015, having completed Part 1 in 2013–2014.
- Number of students in who completed Part 2 in 2013–2014.

**Table 3:** Students Who Completed Parts 1 and 2 in 2013–2014

| Track 1 | Part 1 | | Part 2 |
|---|---|---|---|
| | No. Completed | No. Proceeding to Part 2 | No. Completed |
| Information Technology | 6 | – | 2 |
| Mathematics | 7 | 2 | 1 |
| History | 8 | – | 2 |
| Science | 18 | 5 | 3 |
| Social Studies | 8 | 2 | 1 |
| Modern Foreign Language | 5 | – | – |
| English | 6 | 2 | 1 |
| **Total** | **58** | **11** | **10** |
| **Track 3** | | | **2** |

At the Faculty Awards Ceremony held on November 7, 2013 the Madge Hall Prize was awarded to Shadae Johnson for the most outstanding performance in Level I of the B.Ed. 90 credit programme. The SOE prize for most outstanding academic performance in Level II was awarded to Debra-Gail Williamson while the Professor Aubrey Phillips Prize for the most outstanding academic performance in the final year was awarded

to Wendell Edwards and Coleen Williams. The Professor John Figueroa prize for the most outstanding academic performance in the Postgraduate Diploma in Education was awarded to Colleen Reid-Grant.

The Graduate Research Seminar and Awards Ceremony was held on Wednesday, May 21, 2014 in Lecture Room 1A at the Faculty of Law. Mrs. Joy Baker-Gibson, Ms. Sharlene Fagan, Mrs. Yashieka Blackwood-Grant and Mrs. Daynea Bowes-Facey made presentations on their Master's projects. Drs. Sharline Cole and Lilieth Nelson made presentations on their doctoral theses. Mr. Devon Crossfield received The Dr. Monica Brown Award for the best performance in the graduate online programmes and Mrs. Joy Baker-Gibson received the School of Education award for excellent academic performance. Mr. Crossfield completed the M.Ed. in Educational Administration and Mrs. Baker-Gibson completed the M.Ed. in Mathematics Education. Thirteen abstracts were published in the souvenir booklet for the Awards Ceremony. Six of these abstracts were displayed as posters.

## STRENGTHENING NATIONAL ENGAGEMENT AND INTERNATIONAL COLLABORATION

The School of Education and the Jamaican Ministry of Education collaborated in staging the Grade 9 Mathematics Problem-Solving competition which was held on March 27, 2014. Forty-three schools participated. Each school had a team of four students. *Halls of Learning* won the competition. During the final phase of the competition which was held at the UWI Mona campus, a Mathematics workshop was conducted for teachers while the students were engaged in the competition.

Dr. Loraine Cook organised the symposium on *Changing the Landscape of Education with Under-Resourced Urban Schools* on October 31 to November 1, 2013, in collaboration with Operation Save Jamaica. One hundred and twenty-three persons participated in the event. There was a good mix of participants from a range of entities, including teacher training institutions, the Jamaica Teachers' Association and the Ministry of Education, as well as participants from overseas. This event has provided fertile opportunities for research and publication.

The Community of Practice has continued its programme of edu-exchanges. Two exchanges were conducted on the following topics:

- Is there such a thing as a gifted child?
- The Impact of the Liberalization of Telecommunication in Jamaica.

On Thursday April 10, 2014, the SOE hosted its annual Forum on Education under the theme *The Implementation of Science, Technology, Engineering and Mathematics (STEM) Education: Opportunities and Challenges*. The event took place at UWI's Western Jamaica Campus, Montego Bay. Approximately 300 persons, including school principals, teachers and students from high schools, as well as officials from the Ministry of Education and persons from the business sector in the western region of Jamaica were in attendance. The Guest Speaker was Professor Theodore Lewis from the School of Education, St. Augustine Campus.

Dr. Janice Fournillier and Dr. Susan Ogletree of the Georgia State University (GSU) visited the SOE from May 7 to 8, 2014. The purpose of the visit was to explore areas of possible collaboration with the SOE. A memorandum of understanding with the UWI is being pursued through the Mona International Students' Office to be followed by a Memorandum of Collaboration which will set out specific areas for possible collaboration between the SOE and GSU.

## PROJECTS AND AWARDS

Professor Sandee McClowry, Fulbright Scholar, and Dr. Loraine Cook have completed the first stage (Stage 1) of the *INSIGHTS into Children's Temperaments* intervention in three schools, namely, Central Branch, Alpha and John Mills Infant and Primary Schools. They secured support from the Culture, Health, Arts, Sports and Education (CHASE) Fund for Stage 2 of the intervention, in the amount of J$10 million dollars for the first year. CHASE has agreed to fund the project for 3 years. An INSIGHTS Project Office has been established in the SOE. An agreement has also been signed between New York University and the SOE giving legal rights to the SOE to disseminate the programme in Jamaica.

The Mona Research and Publications and Graduate Awards Committee, in collaboration with the Office of Graduate Studies and Research, presented an award to the SOE for 'outstanding performance in the development of research students'. The UWI Endowment Fund also presented an award to the School of Education 'in recognition of and appreciation for continued support through scholarships'.

The Principal's Research Award for the Research Project Attracting the Most Research Funds was awarded to the School of Education for the Centre for the Assessment and Treatment of Exceptionalities (SOECATE) Early Childhood Education Enhancement Project, at UWI Research Day 2014.

Mrs. Joan Spencer-Ernandez was awarded The Prime Minister's Medal of Appreciation for service to education.

## INCOME GENERATION

The following two Customized Professional Short Term courses were delivered in the summer of 2014:

- Designing Effective Training in Public & Private Enterprises.
- Designing Monitoring & Evaluation Systems for Training Programmes.

A number of projects were completed. These include the:

- The Psycho-Educational Assessment of 3400 students across the island for the Ministry of Education ASTEP Project.
- The development of alternative curricula for secondary school students for the Ministry of Education
- The rationalisation and diversification of the Secondary School Curriculum Project for the Ministry of Education in collaboration with the Caribbean Examinations Council.

## PUBLICATIONS UNIT

The Publications Unit produced one journal: a double issue of the *Caribbean Journal of Education,* Vol. 34, Nos. 1 & 2. A monograph,

Lectures on Language Education, was also published. The Publications Unit continued to market and sell its publications, notably at the UWI Research Day and at local symposia and conferences.

## UPGRADING EFFORTS

The School of Education now benefits from fibre-optic connections in several areas which previously experienced poor, or no internet connectivity. Arrangements were finalized for work to begin on the long awaited classroom space on the ground floor. It is anticipated that this work will be completed in the 2013–2014 academic year.

## PAPERS PRESENTED

- **Davis-Morrison, V.** (2014, May). "Life skills Education; Preparing Quality Teachers." Paper presented at the 2nd Biennial Teacher Education Conference: Sustaining 21st Century Teachers. Raising the Bar. Belize.
- **Griffith, S. A.** "TVET as an Area of Study for Weak Students: Myth or Reality?" Paper presented at the IADB/CDB/Government of Barbados Skills for the Future Barbados Conference, Barbados Hilton Resort, January 26–28, 2014, pp. 25.
- **Haynes-Brown, T.** "Assessing the Value and Contribution of the e-Learning Jamaica Project on Teachers' Classroom Practices." Paper presented at the Teachers' Colleges of Jamaica Inaugural Teacher Education Conference, Montego Bay Jamaica, October 23, 2013, 25 slides.
- **Haynes-Brown, T.** "The role of teacher professional development in the use of technology in enhancing teachers' classrooms practices: An assessment of the e-Learning intervention" International Council on Education for Teaching, Canada, June 17, 2014, 13 pages.
- **Hordatt Gentles., C., & Newman, M.**, "Strengthening the Teacher Education Profession in Jamaica". Paper presented at the Teachers'

Colleges of Jamaica (TCJ) Inaugural Teacher Education Research Conference. Wyndham Rosehall Hotel. Montego Bay. Jamaica. October, 22–25, 2013, 16 slides, 11 pages.

- **Hutton, D.** "How can Modern TVET Systems Assess the Quality and Effectiveness of Their Programmes and Monitor the Employability of Their Graduates. Paper presented under the theme: "Skills for the Future Barbados Conference – Build, Innovate, Transform" Conference of the Ministry of Education, Science, Technology and Innovation and the International Development Bank (IDB), January 26–28, 2014, Bridge Town, Barbados.
- **Hutton, D.** Presentation of the 'Concept brief' at the School of Education Forum on The implementation of Science, Technology, Engineering and Mathematics (STEM) Education: Opportunities and Challenges", at the University of the West Indies, Western Campus, April 10, 2014.
- **Joong, Y.P.**; **Anderson, S.**; & **Hutton, D.** "Comparison of the Perceptions of Administrators, Teachers, and Students on School Violence in Jamaica and Canada". Paper presented at annual meeting for American Educational Research Association, Philadelphia, USA, April 5, 2014, pp. 8
- **Kinkead-Clark, Z.** "Culture, Literacy and the Early Childhood Classroom". Paper presented at the Twenty-First International Conference on Learning, Lander College for Women, New York, New York, July 17, 2014. 34 slides.
- **Lambert, C.** "Creating Radio Literacy Programs for Jamaican Basic Education Youth". Society for Information Technology and Teacher Education (SITE) 25th International Conference. Jacksonville, Florida March 20, 2014.
- **Lambert, C.** "Literacies for the 21st Century". Presentation made at the International Literacy Day Commemoration. Morant Bay. September 6, 2013.
- **McCallum, D.** Preparing classroom teachers to mentor student and

beginning teachers. Paper session presented at the International Mentoring Association Conference, Gilbert, Arizona, USA, March 12–14, 2014.

- **Morris, H.** "The role of TVET in Economic Sustainability" SOE, UWI Symposium: Changing the Landscape of Education within Under Resourced Urban Schools and Communities. Mona Visitors' Lodge, UWI, Mona, Jamaica. October 31–Nov. 1, 2013 (24 slides, 27 pages).
- **Morris, H.** "The new CARICOM regional TVET strategy for workforce development & economic prosperity: Highway or byway". SALISES, UWI Conference. UWI Regional Center, Mona, Jamaica. October 7 – 9, 2013. (27 pages)
- **Newman, M.** "The ethical dimensions of principals' work in Jamaica: implications and future directions for professional education and training. Paper presented at the University College of the Cayman Islands Caribbean Conference, George Town Grand Cayman, March 21, 2014. pp. 8.
- **Newman, M**. & Hordatt Gentles, C. "Ideas for a framework to guide teacher growth and development in Jamaica: Insights from a five-year longitudinal study on the experiences of beginning teachers". Paper presented at the ICET 58th World Assembly 2014 International Council on Education for Teaching Conference, Oshawa, Canada, June 17, 2014. 14 slides, 10 pages.
- **Spencer-Ernandez, J., Edwards-Kerr, D.** "Using Assessment and Differentiated Instruction to Improve Student Performance". Paper presented at The School of Education, University of the West Indies Research Day. Kingston, Jamaica, February, 2014. 35 pages
- **Spencer-Ernandez, J.** "Identifying and Reaching the Gifted Underachiever – Talented, Gifted – but Underperforming. Paper presented at the 7th Annual Special Education Needs and Conference. The Nathan Ebanks Foundation. Jamaica Conference Centre, Kingston, Jamaica", April 2013. 10 pages.

- **Spencer-Ernandez, J.,** Johnson, S. "Teacher quality, opportunity gap, and national achievement in Mathematics and English Language in Jamaican high schools". Paper presented at the University of the West Indies, St. Augustine School of Education Biennial Conference. UWI, St. Augustine, Trinidad. April, 2013. 15 pages.
- Edwards-Kerr, D., **Spencer-Ernandez, J.,** Daley-Morris, P. Why does Jamaica need a National Literacy Assessment at this time? Paper presented at The University of the West Indies School of Education Literacy Symposium. Mona Visitors' Lodge, Kingston, Jamaica. March 2013. 14 pages.
- **Spencer-Ernandez, J.** "Can teachers be held accountable? – The Impact of Standards-Based Assessment on Literacy Instruction and Student Achievement in the Caribbean Centre of Excellence for Teacher Training (CCETT) Project". Paper presented at the University of the West Indies School of Education Literacy Symposium. Mona Visitors' Lodge, Kingston, Jamaica. March 2013. 18 pages.
- **Spencer-Ernandez, J.** "Explicit Instruction and its Importance for struggling Learners". Paper presented at The Mico University CARE Centre 4th Biennial Education Conference. The Jamaica Conference Centre, Kingston, Jamaica. October, 2012. 26 pages
- **Stewart, S.** Researching extra lessons in Jamaica using survey design analysis. Comparative Education Research Center Colloquium, Hong Kong, China. April, 2014.
- **Stewart, S.** Moving from the peripheries to the center of learning: A qualitative examination of student-centered approaches in extra lessons. 58th Annual Conference of the Comparative and International Education Society, Toronto, Canada, March 2014.
- **Stewart, S.** & Tuitt, F. "Applying theory to praxis: A mixed methods approach examining the use of critical-inclusive pedagogy in Jamaican schools". Oxford Education Research Symposium, Oxford, UK, November 2103.
- **Stewart, S.** "Jamaica's emerging parallel education system: Examining

the resulting effects of global education agendas". 12th UKFIET International Conference on Education and Development, Oxford, UK, September 2103.

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- **Edwards-Kerr, D.** and **Williams, C.** "The Challenge of Formative Assessment in Primary Schools in Jamaica". Twenty-First International Conference on Learning, Lander College for Women, New York, New York. July 14–17, 2014, pp. 14.

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- **Lewis-Fokum, Y.** (2014). Examining the 'Discourse' behind the Grade Four Literacy Test: Evidence from Two Primary Schools in Jamaica. *Journal of Education and Development in the Caribbean*. Vol. 13, nos. 1&2. pp.110–132.
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### BOOK

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- **Griffith, S. A.** (2014). Beta Test of CSEC Integrated Science and CAPE Food and Nutrition to Inform Syllabus Finalization by the Caribbean Examinations Council, (105 pages).
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- Edwards-Kerr, D., **Spencer-Ernandez, J.,** Daley-Morris, P. (2014). Evaluation of the Youth Education and Recreation Programme. Jamaica Social Investment Fund (195 pages).
- **Spencer-Ernandez, J.,** Edwards-Kerr, D. (2013). Review of Montserrat's Primary and Secondary Schools' Organisation and Instructional Practices in Curriculum Delivery. Ministry of Education & Human

Resource Development, Commonwealth of Dominica. Funded by The Caribbean Development Bank. (135 pages).

## PUBLIC SERVICE

**Dr. Susan R. Anderson**

– Member, Board of Management, the Sir John Golding Institute

**Professor Beverley Bryan**

– Member, National Literacy Steering Committee, 2014–present

– Member, National Council on Education, 2012–present

– Member, Academic Board, Police Staff College, 2012–present

**Mrs. Vileitha Davis-Morrison**

– Chief Examiner CSEC Social Studies

**Professor Stafford Griffith**

– Chairman, Technical Advisory Committee, the Caribbean Examinations Council for various sittings of examinations which include CAPE, CSEC, CCSLC and CPEA.

– Commissioner, Overseas Examinations Commission, Jamaica.

– Chairman, Operations and Development Committee, Overseas Examinations Commission

– Member, Jamaica Teaching Council Advisory Body.

– Chairman, Programme Development and Quality Assurance Committee, Jamaica Teaching Council Advisory Body.

– Member, Board for Jamaica Tertiary Education Commission.

– Chairman, Standards, Regulations and Institutional Committee, Jamaica Tertiary Education Commission

– Member, Senior Policy Making Group of the Minister of Education.

– Member, National Council on Education.

– Member, National College for Educational Leadership Steering Committee.

**Dr. Clement Lambert**

– Member – Accreditation Team, University Council of Jamaica UCJ

**Dr. Halden Morris**

– Commissioner – Overseas Examinations Commission, Chair, Procurement Committee.

– Committee Member, CARICOM: Regional Qualifications Framework

– Committee Member – Ministry of Education: Jamaica Tertiary Education Commission (JTEC) – National Qualifications Framework

– Committee Member – Ministry of Education: National TVET Policy Development

– Committee Member – Ministry of Education: Renewable Energy

– Committee Member – Ministry of Education: Apprenticeship Working Group

– Committee Member for Principal – Ministry of Education: Education and Training Thematic Working Group (TWG)

– Committee Member, National Council on Technical, Vocational Education and Training: Accreditation

– Chair, Institute of Electrical and Electronics Engineers (IEEE) Professional Activities – (Area 9, Jamaica)

– Member of Advisory Committee: Caribbean Knowledge and Learning Network (CKLN)

– Member of Board, Vice Chairman – Vocational Training and Development Institute (VTDI)

– Member of Management Advisory Committee, Vice Chairman – HEART College of Construction Services

– Member, Academic Advisory Committee – Mico University College

– Member of Board – ICT4D Jamaica

– Member of Jamaica Bureau of Standards Technical Committees:
– Member – Electrical Practices & Products
– Chair – Energy Efficiency (Alternative Energy Sub Committee)

**Dr. Mairette Newman**

– Chairperson, National Committee for the Selection and Appointment of Master Teachers
– Member, Caribbean Examinations Council (CXC) National Committee

**Dr. Marcia Rainford**

– Caribbean Examinations Council – Chief Examiner CSEC Chemistry

**Mrs. Joan Spencer-Ernandez**

– Chairman of the National Literacy Steering Committee

Back to Table of Contents

# FACULTY OF LAW

# Mona

## Year ending July 31, 2014

DERRICK McKOY, JP

**LLB** *UWI,* **LLM** *Lond.*, **MBA** *Barry,* **DBA** *NSU,* **PhD** *Leic*

**Dean**

# – *Dean's Overview* –

## ACADEMIC ACHIEVEMENTS

The Faculty of Law continues to provide quality service to students and other stakeholders. This includes offering public lectures, seminars, forums and a summer programme for students and persons in the legal profession. The Faculty of Law at Mona recognizes that it has a vital role to play in the advancement of the profession and operates in accordance with fulfilling this mandate. Continuous collaboration between the three Faculties of Law at UWI ensures that the high standard is maintained by using a common curriculum in the delivery of the LLB degree.

The 2013/2014 Academic Year marked the completion of the third cohort of students in the three-year LLB programme at Mona. The Faculty declared 123 LLB degrees, 13 of which were with First Class Honours. The majority of these graduates have moved on to the Norman Manley Law School to pursue the Certificate of Legal Education with a view to being called to the Bar in 2016.

During the year, the Faculty enrolled 245 new students to the full-fee paying three year Mona Law programme and had an additional 277 students returning to Parts II and III of the programme. Of the number of new students, 15 completed year one at the Western Jamaica Campus

(WJC), benefiting from the same course material and instructors as the students at the Mona Campus but using mixed mode delivery. The LLB students at WJC made official trips to Kingston to attend events such as Research Day, special lectures, the hearing of the CCJ/ Shanique Myrie case, sitting of the Senate at Gordon House and also to join the Mona students for lectures and activities.

For 2013/2014 the Faculty successfully implemented a pilot project using the UWI Single Virtual University Space. With this project, the Faculty was able to deliver a Level III course – European Union Law – from Mona to students at the St Augustine Campus. This project was a success and will be utilized for the 2014/2015 academic year with the possibility of expanding to include the delivery of an additional Level III course – Oil and Gas Law – which will be taught at St Augustine and will be available to students at Mona.

The Mona Law Professional Internship Programme (MLPIP), having successfully completed the pilot project in summer 2013, was officially launched on May 22, 2014. The launch formally recognized the students and partner institutions that participated in the pilot. The programme was introduced at Mona Law by Mrs. Natalie Corthésy, Lecturer in the Faculty of Law, with the aim to:

- expose students to a wide cross section of job opportunities in law;
- offer students an incentive for high academic achievement and raise the profile of the Mona Law graduate;
- create and encourage partnerships with our stakeholders in the legal profession and;
- foster an environment of mentorship for students pursuing admission into the legal profession.

During Semester II of the 2013/2014 academic year the Faculty hosted Professor of Law at Howard University School of Law in Washington, D.C., Professor Harold McDougall, as a Visiting Professor. Professor McDougall specializes in the areas of urban, social and economic development; civil rights; and the workings of state, local, and federal government. Professor McDougall has written numerous articles, and

authored two books: "*Black Baltimore: A New Theory of Community"* and, "*African Civil Rights in the Age of Obama: A History and a Handbook*."

On June 9, 2014, The Faculty of Law at the Mona Campus, in partnership with the World Intellectual Property Organization (WIPO) and the Jamaica Intellectual Property Office (JIPO) launched the WIPO - Jamaica Summer School on Intellectual Property. The Summer School lasted for two weeks, ending on June 20, 2014 and made history, as the first of its kind in the region. The activities of the Summer School were not limited to the classroom, but the presentations and simulation exercises were packaged with additional activities such as field trips, and cultural tours.

## NEW STAFF MEMBERS

The Faculty welcomed two new lecturers in 2013/2014: Drs. Ramona Biholar and Mark Gillis.

Dr Ramona Biholar is a Romanian national. She obtained her first Law Degree from the Romanian Faculty of Law of the Babeş-Bolyai University in Cluj-Napoca. She spent her fourth year of law studies in Spain, at the Faculty of Law of the University of Zaragoza, where she additionally enrolled in and graduated the courses of the Jean Monnet Cathedra in European Law and Institutions, and in European Commercial Law. Dr. Biholar received her LL.M Degree in International and European Law from the Faculty of Law of Utrecht University in the Netherlands. From 2008 to 2012 she joined the Netherlands Institute of Human Rights (SIM) of Utrecht University Law School as a PhD researcher granted by the Netherlands Organisation for Scientific Research (NWO) the MaGW award to pursue her PhD research in the field of women's human rights in Jamaica.

Dr. Mark Gillis who is from San Francisco in the United States of America, earned a BA in History from Stanford University (1985) and then a Juris Doctor (J.D.) from UC Berkeley (1988). He worked in a private law firm in New York for some years before relocating to Prague, the Czech Republic, where he was awarded the Doctor of Laws degree

from Charles University in Prague (1999) after defending his thesis on the Czech Constitutional Court's jurisprudence. He advised both the Czech Constitutional Court and the Czech Supreme Court on various matters, including the transition to European Union Law. He has taught law at several universities, including the Masaryk University Faculty of Law, Charles University Faculty of Law, the American University of Armenia, and the American University in Bosnia and Herzegovina. His areas of specialization in teaching and research include constitutional law, international law and European Union law.

## STAFF ACHIEVEMENTS

Professor Gilbert Kodilinye published two new books during the period: *Commonwealth Caribbean Contract Law* 1st edition (published jointly with Maria Kodilinye) and *Commonwealth Caribbean Tort Law*, 5th edition.

Mrs Natalie Corthésy, Lecturer in the Faculty and Mrs Carla-Anne Harris-Roper, Director of the Legal Services Division, Ministry of Labour and Social Security in Jamaica, published the book *Commonwealth Caribbean Employment and Labour Law* in July 2014. This text is expected to be an essential resource for students reading Employment, Industrial Relations and Dismissal Law courses and an invaluable reference guide for human resource, industrial relations and legal practitioners in the Caribbean.

Tracy Robinson, Senior Lecturer in the Faculty was appointed Chair of the Inter-American Commission on Human Rights (IACHR). For two consecutive years prior, Ms Robinson served on the Commission as Rapporteur for Honduras, United States and Uruguay.

## CONFERENCES, SEMINARS, GUEST LECTURES AND OTHER SPECIAL EVENTS HOSTED BY THE FACULTY

On August 26, 2013, the Faculty hosted Justice Hilary Phillips, Court of Appeal Judge, who served as guest speaker at the annual Orientation exercise for new law students.

On October 10, 2013, Professor Dinah Shelton, then Commissioner of the Inter-American Commission on Human Rights, participated in a discussion on, "Human Rights and the Work of the Inter-American Commission on Human Rights".

On October 17, 2013, the Faculty of Law hosted a public forum on "The CCJ's Ruling in the *Shanique Myrie v The State of Barbados*". The session which was chaired by Tracy Robinson, Senior Lecturer in the Faculty of Law, included a panel of experts, namely: Ms. Michelle Brown, Counsel for Shanique Myrie; Pre-eminent international law expert and Deputy Solicitor General, Dr. Kathy-Ann Brown; Crown Counsel in the Attorney General's Department, Mr. O'Neil Francis who stood as representative for the Government of Jamaica in the litigation; Judge Patrick Robinson, International Criminal Court for the Former Yugoslavia; Prof. Patsy Lewis, Senior Fellow, Sir Arthur Lewis Institute of Social and Economic Research.

Professor Jeremy de Beer, WIPO Consultant and Associate Professor at the Faculty of Law, University of Ottawa, visited Mona Law on October 28 and 29, 2013. His visit was to discuss with the Faculty a proposal for a joint WIPO-LLM in the Creative and Cultural Industries.

Mrs. Judith Cooper-Batchelor, Senior Partner at the law firm Chambers, Bunny & Steer, gave a guest lecture to students enrolled in the course Family Law I (Husband & Wife) on October 30, 2013.

Mrs. Julie Thompson-James delivered a lecture, on February 2, 2014 to students in the Corporate Management class. Mrs. Thompson-James is Vice President, Senior Legal Counsel and Company Secretary of Scotia Group Jamaica Limited and its subsidiaries.

Mona Law in partnership with the Jamaica Environment Trust (JET) hosted an "Environmental Justice Seminar: Public Participation and Judicial Discretion" on February 6, 2014. Presentations were made by a panel of experts including: the Hon. Mr. Hugh Small QC, Jamaican Attorney-at-Law who has extensive experience in environmental law cases; Mrs. Carol Excell, Jamaican Attorney now an Associate at the World Resources Institute (WRI) in Washington DC; Mr. Ritwick

Dutta, an Attorney with extensive practice before the Supreme Court of India in matters relating to access to environmental justice, and the Hon. Mr. Justice Bryan Sykes who has been pivotal in the development of environmental jurisprudence in Jamaica, and whose landmark decision in the Pear Tree Bottom case, has set the tone for development of environmental jurisprudence not only in Jamaica, but in the Caribbean. The discussion was organised and chaired by Mrs Laleta Davis-Mattis, adjunct lecturer at Mona Law.

On February 10, 2014, the Faculty hosted Prof. Robert Wintemute who gave a public lecture on the topic: "Lesbian and Gay Human Rights in the Caribbean: Would Decriminalisation Restrict Religious Freedom?" Robert Wintemute is a Professor of Human Rights Law at King's College London.

The Faculty hosted Ambassador Rudy Insanally, former Minister of Foreign Affairs of Guyana and Guyana's permanent representative to the United Nations, who gave a lecture entitled, "The Role of Small States in the International Community' on February 18, 2014.

On March 3, 2014 Prof. Nigel Eastman delivered a guest lecture to the Constitutional Law Class. Prof. Eastman is an Emeritus Professor of Law and Ethics in Psychiatry at the University of London and an Honorary Consultant Forensic Psychiatrist in the National Health Service.

Judge Michael Hopmeier gave a lecture on "The Importance of Asset Recovery in the Fight Against Crime – The Need for International Cooperation" to Mona Law students on March 10, 2014. His Honour Judge Michael Hopmeier, a Circuit Judge, Kingston-on-Thames, England, is a Visiting Professor at City University, and author of the book Proceeds of Crime.

The Faculty of Law hosted its Mona Law Series Seminar for 2013/2014 entitled: "The Vernacularization of Environmental Rights and Women's Human Rights" on Thursday March 13, 2014. Presentations were made by Dr. Ramona Biholar and Visiting Professor Harold McDougall from the School of Law at Howard University. The Mona Law Series is hosted annually by the Faculty and comprises of seminars led by the UWI

Mona Law faculty on issues of interest to the wider University community, the judiciary and the legal profession.

On April 4, 2014, Ms. Jasmine Rand, a Professor of Law and the Civil Rights Attorney who represented the family of black teen Trayvon Martin, gave a presentation entitled, "The Trayvon Case: The Race Relations, Gun Violence and Human Rights in the United States, and the Impact of the International Community on the Trayvon Martin Movement".

The Faculty of Law at the Mona Campus in collaboration with the Jamaican Copyright Licensing Agency (JAMCOPY), the Jamaica Anti-Piracy Alliance (JAPA), and endorsed by the Jamaica Intellectual Property Office (JIPO) hosted its inaugural Mona Law Intellectual Property Forum on February 25 and 26, 2014, under the broad topic: "Challenges Facing Copy-right Based Industries in Jamaica". The Forum was endorsed by the Ministry of Tourism and Entertainment as an official Reggae Month activity and was included on their calendar of events for Reggae Month 2014. The Forum was spearheaded by Mrs. Natalie Corthésy, Lecturer and Head of the IP Unit at Mona Law.

Presenters at the Forum included three international IP scholars, namely: Professor Christophe Geiger, Director General and Director of the Research Department of the Centre for International Intellectual Property Studies (CEIPI) at the University of Strasbourg; Mr. Brian O'Donnell, Director of Business and International Development, and Vice Chairman of the International Federation of Reproduction Rights Organization (IFRRO) Committee for Latin America and Caribbean, Access Copyright Canada; and, Professor Uma Suthersanen, Professor in International Intellectual Property Law at the Centre for Commercial Law Studies at Queen Mary, University of London and a Director at the Queen Mary Intellectual Property Research Institute. The local presenters were Ms Dianne Daley, Managing Partner at Foga Daley, and Mrs Natalie Corthésy.

On May 1, 2014, Professor Devon Carbado, Professor of Law at the UCLA School of Law, gave a lecture on the topic, "Acting White? Rethinking Race in 'Post-Racial' America".

Mona Law in partnership with the Caribbean Policy Research Institute (CaPRI) and the Private Sector Organisation of Jamaica (PSOJ) hosted a Public Forum on the Insolvency and Bankruptcy Bill on Thursday April 24, 2014 in the Executive Seminar, Faculty of Law building.

## STUDENT ENRICHMENT

As part of the UWI Research Days 2014 calendar of activities, Mona Law held its Inaugural UWI Research Days Moot Competition on February 21, 2014 on the topic of Human Rights Law. Students were invited to participate in a moot that explored some of the human rights law issues that were raised in the recent Shanique Myrie case. After a well fought debate between the teams, the Team comprising of Makene Brown and Lenroy Stewart emerged the winners, with Lenroy Stewart being awarded the Best Oralist. They were presented with plaques in recognition of their outstanding performance.

The Faculty of Law also had two teams participating in regional and international mooting competitions during the academic year. Mona participated in the sixth annual Caribbean Court of Justice International Law Moot Competition in Trinidad and Tobago held on March 13 and 14, 2014 at the CCJ's headquarters in Trinidad and Tobago. The Mona team comprised of Mr. Francois McKnight, Ms. Jameila Simpson and Mr. Sean Osbourne and coached by Ms. Caprice MacFarlane.

The other team comprising of Mr. Litrow Hickson, Ms. Rowana-Kay Campbell, and Ms. Lanasia Nicholas and coached by Ms. Gabrielle Elliott-Williams, Lecturer in the Faculty, participated in the Price Media Law Moot Court Competition. Based on the team's performance at the Americas Regional Round held at the Benjamin N. Cardozo School of Law in New York, USA, in January 2014, they advanced to the International Round which was held at the University of Oxford, in the United Kingdom (UK) from April 1–5, 2014.

Both teams represented the Faculty well.

The Faculty continued the Mona Law Professional Internship Programme under the leadership of Mrs. Natalie Corthésy. This venture was aimed

at providing students with an opportunity to experience, first-hand, working in the legal profession. Preparation included a workshop conducted by Ms. Beverley Phillips and Mrs. Barbara Miller, for all Level III students and was specifically aimed at advancing the professional skills of the prospective interns. Some of the areas emphasized were résumé and cover letter writing and business etiquette as is required in the legal profession. For the 2013/2014 year, the Faculty successfully placed twenty eight of the Faculty's top-performing students in established law firms, government agencies and private organizations throughout Kingston and St Andrew.

## PAPERS PRESENTED AT MAJOR CONFERENCES

- **Robinson, Tracy**, Keynote Presentation, 'The Inter American Commission on Human Rights: A Forum for the Vindication of the Rights of LGBTI Persons', University of Puerto Rico Law School, Puerto Rico, September 11, 2013.
- **Biholar, Ramona**, "Gender Policies Field Research in Dominica. Preliminary Findings and Thoughts", Institute for Gender and Development Studies Workshop, St. Augustine, Trinidad & Tobago, September 19, 2013.
- **Ffolkes-Goldson, Suzanne**, "Corporate Governance as a Mechanism for the Deterrence of Economic Crimes", Cambridge International Symposium on Economic Crime, September 2013.
- **Robinson, Tracy**, 'Sexual Orientation and Gender Identity in International Human Rights Law', Parliamentary Seminar on Protecting Human Rights, Combatting Discrimination of and Addressing HIV/AIDS in Persons with Diverse Sexual Orientation and Gender Identities, hosted by Chamber of Deputies of Dominican Republic in association with Parliamentarians for Global Action, October 10, 2013.
- **Ali, Shazeeda**, "Virtual Money: a 'Bit' of a Problem", Jamaica Institute for Financial Services 2nd Annual AML/CFT Seminar, Kingston, Jamaica, October 29, 2013 (23 pages).

- **Biholar, Ramona** "Social and cultural transformation or the implementation of women's human rights in Jamaica", 20th Anniversary Conference on Gender Transformation in the Caribbean, UWI Institute for Gender and Development Studies, St. Augustine, Trinidad & Tobago, November 6–8, 2013.
- **Robinson, Tracy** 'The Rights of LGBTI persons: International Standards', Instituto Columbiana de Derechos Humanos, Primer Curso Internacional Especializado En Derechos Humanos: Acceso A Los Sistemas Internacionales De Proteccion De Derechos Humanos Homenaje A Elias Carranza, Cartagena, Columbia, November 29, 2013.
- **Biholar, Ramona** "Gender–A Space of Cultural Negotiation and Socio-Cultural Transformation. Insights from Jamaica", 4th Global Conference 'Femininities and Masculinities', 4th, Lisbon, Portugal, May 2–5, 2014.
- **Robinson, Tracy** 'Common law kinships: The politics of law, sexuality and postcoloniality', 2014 Berkshire Conference on the History of Women, Toronto, May 23 2014.
- **Robinson, Tracy** 'Why Diversity Matters', Presentation on Panel, "Contributions to the Selection Process of Members of the Commission and the Inter-American Court Of Human Rights". Organised by the Center for Justice and International Law and the International Coalition of Human Rights Organizations in the Americas, Asuncion, Paraguay, June 2, 2014.
- **Biholar, Ramona** "Challenging the Barriers to Real Equality: Transformative Equality", Parliamentarians for the Americas (ParlAmericas) Annual Gathering of the Group of Women Parliamentarians, Mexico City, Mexico http://www.parlamericas.org/uploads/documents/article-ramona-biholar-en.pdf June 24–25, 2014.
- **Robinson, Tracy** "Advancing LGBTI Rights in the Americas", feature presentation at 'The Work of the IACHR in Advancing the Rights of LGBTI Persons in the Americas: A Conversation with Commissioner Tracy Robinson, Rapporteur on the Rights of LGBTI

Persons and Chair of the IACHR', organized by Global Rights, Washington DC, July 23, 2014.

## PUBLICATIONS

### Books & Monographs

- **Kodilinye, Gilbert** and **Maria Kodilinye**, *Commonwealth Caribbean Contract Law*, 1st edn, Routledge, 2013.
- **Kodilinye, Gilbert,** *Commonwealth Caribbean Tort Law*, 5th edn, Routledge, 2014.
- **Corthésy, Natalie** and **Carla-Anne Harris-Roper**, *Commonwealth Caribbean Employment and Labour Law Routledge,* 2014.

### Refereed Journal Articles

- **Brown-Blake, Celia,** 'Expanding the use of non-dominant Caribbean languages: Can the law help?' *International Journal of Speech, Language and the Law* vol 21:1 (2014): 51–82.
- **Robinson, Tracy,** 'The Properties of Citizens: A Caribbean Grammar of Conjugal Categories', *Dubois Review: Social Science Research on Race* 10(2) (2013): 425–446.
- **Ffolkes Goldson, Suzanne,** 'The Use and Misuse of the Corporate Oppression Remedy in the Commonwealth Caribbean' *The Company Lawyer*, Volume 35, Issue 7 (May 2014): 195–204.

### Non-Refereed Articles

- **Elliott-Williams, Gabrielle,** 'Reflections on the Jamaica Independence Act' *Norman Manley Law School 40th Anniversary Magazine*, 2014.

# FACULTY OF MEDICAL SCIENCES

## Mona

Year ending July 31, 2014

PROFESSOR HORACE FLETCHER
MB, BS, DM (O&G), FRCOG, FACOG
Dean

# – *Dean's Overview* –

Academic Year 2013/2014 was good overall despite continued challenges. The Faculty maintained a steady intake of the MBBS students and continued to improve on its infrastructural developments. Despite the increase in the clinical sites, additional locations were required to assist primarily with the teaching of third year clinical students. Likewise, there was an increase in the number of associate lecturers to assist with the clinical teaching. Greater effort was placed on equipping the various lecture theatres at the Mona Campus and the laboratories at the Western Jamaica Campus with multimedia capabilities in order to enhance the teaching and learning experience of the MBBS students. However, there continue to be challenges with the E-Book initiative.

The accreditation received from the Caribbean Accreditation Authority for Medicine and other Health Professionals (CAAM-HP) for the MBBS programme in May 2012 was reduced to four years instead of five due to administrative errors. Corrective measures have since been employed to ensure that there is no recurrence. Due to the increase in the number of students and the restrictions of the International Monetary Fund, the Ministry of Health, Jamaica, and the UHWI had challenges identifying internship places for the MBBS graduates; approximately 154 spaces were approved.

The 25-station Basic Simulation Laboratory and the 8-station Advanced Simulation Laboratory for the Doctor of Dental Surgery (DDS) programme were opened in March-April 2014. The UWI-Mona Dental Polyclinic (UMDP) was opened in June 2014 after the completion of Phase 1, which included 24 dental cubicles (4 for surgical procedures), sterilization area, x-ray room, small dental laboratory, and consultation room. Phase 2 will consist of the other infrastructural and operationalized components. The remaining 11 chairs would be installed soon. Arrangements continue to be made to ensure adequate staffing is in place for the various dental services. An accrediting team from the CAAM-HP visited the Faculty in May 2014, and in July 2014 the programme received the initial accreditation approval from the CAAM-HP for a period of two years, 2014–2016. While there existed some challenges that would be addressed, the review team was particularly impressed with the physical infrastructure/equipment. Clinical training for the final year students began on June 1, 2014.

The School of Medical Radiation Technology (SMRT) relocated to the Faculty of Medical Sciences Teaching and Research Complex (FMS TRC) in November 2013. Sadly, the then Director, Miss Joan Shaw, passed suddenly on May 22, 2014. She was replaced by Miss Carol Townsend who was her deputy. The Faculty has started the process of establishing a Clinical Trials Centre at the FMS TRC to boost its research capacity. His Royal Highness the Prince Edward, Earl of Wessex, KG, GCVO, opened the Division of Sports Medicine's Clinic on March 3, 2014. The Physical Medicine and Rehabilitation (PM&R) Unit continues to host its Annual Spasticity Workshop, in collaboration with international partners, through which approximately 150 persons have benefitted from free health care.

## STUDENT ENROLLMENT AND ACCESS

Table 1 below represents undergraduate enrolment for the academic year 2013/2014:

**Table 1:** Student Enrolment in the Faculty of Medical Sciences, 2013/2014

| Programme | Majors and Minors | No. of Students 2012/2013 | No. of Students 2013/2014 |
|---|---|---|---|
| BBMedSci | Anatomy | 19 | 23 |
| | Biochemistry | – | 5 |
| | Pharmacology | 126 | 145 |
| | Physiology | 12 | 6 |
| | **Subtotal** | **157** | **179** |
| | | | |
| BSc | Nursing (Post RN) Online Delivery | 207 | 166 |
| | Nursing (Generic) | 860 | 892 |
| | Physical Therapy | 198 | 193 |
| | Diagnostic Imaging | 84 | 87 |
| | **Subtotal** | **1,349** | **1,338** |
| | | | |
| DDS | Doctor of Dental Surgeon | 44 | 64 |
| | | | |
| MBBS | Bachelor of Medicine & Surgery | 1,620 | 1,629 |
| | **Total** | **3,170** | **3,210** |

## STUDENT ACHIEVEMENTS

### Undergraduate Programme 2013/2014

### MBBS:

- Dean's List: 69 students
- Honour Society: 9 students
- Outstanding Graduands: 2 students

**DDS**

- Dean's List: 7 students
- Honour Society: 4 students

**Nursing:**

- Dean's List: 2 students
- Honour Society: 2 students

**Physical Therapy:**

- Dean's List: 7 student
- Honour Society: 3 student
- Outstanding Graduands: 2 students

**BBMedSci**

- Dean's List: 10 students
- Honour Society: 3 students
- Outstanding Graduands: 2 students

**Diagnostic Imaging**

- Dean's List: 16 students
- Honour Society: 4 students
- Outstanding Graduands: 2 students

A total of 597 undergraduate students graduated from the Faculty in Academic Year 2013/2014:

**MBBS213**

| | |
|---|---|
| BSc Nursing (generic) | 223 |
| BSc Nursing (Post RN) | 61 |
| BSc Physical Therapy | 42 |
| BBMedSci | 44 |
| BSc Diagnostic Imaging (Radiography) | 14 |

**MBBS Examination Results**

The MBBS Examination for academic year 2013/2014

| | Pass | Honours | Distinction | Fail/FA | Total |
|---|---|---|---|---|---|
| Medicine (MDSC553) | 169 | 13 | – | 13 | 195 |
| Obstetrics & Gynaecology (MDSC5554) | 165 | 5 | – | 9 | 179 |
| Surgery (MDSC555) | 170 | 3 | – | 11 | 184 |
| Overall Total (by # of students) | 175 | 14 | – | 25 | 200 |

**Prizes/Medals**

The following students were awarded prizes in the final MBBS examinations held in May/June 2014:

**Subject Medals**

| | | |
|---|---|---|
| Pathology/Microbiology | – | Auvarhenne Howell |
| Obstetrics and Gynaecology | – | Gayan Smith/ Tariq Parker |
| Medicine | – | Tariq Parker |
| Surgery | – | Tariq Parker |

**Prizes/Bursaries**

| | | |
|---|---|---|
| Professor Owen Morgan Prize in Medicine and Therapeutics | – | Tariq Parker |
| Allenbury Prize in Medicine | – | Tariq Parker |

| | | |
|---|---|---|
| Dr. the Hon. John Hall Book Prize | – | Kristina Acevedo |
| | – | Shion Betty |
| | – | Najuma Comissiong |
| | – | Latoya Gayle |
| | – | Giovanni Henry |
| | – | Jason Lofters |
| | – | Andre McDaniel |
| | – | Abigail McDonald |
| | – | Gaynelle Menzies |
| | – | Tariq Parker |
| | – | Gayan Smith |
| | – | Alexander Wright |
| | – | Toshikah Wheatley |
| Astley Karl Bambury Prize in Medicine | – | Tariq Parker |
| Medical Association of Jamaican Insurance Fund Prize in Obstetrics and Gynaecology | – | Tariq Parker |
| | – | Gayan Smith |
| Professor Louis Grant Book Prize | – | Jadine Knight |
| Professor S. Brooks Memorial Prize | – | Auvarhenne Howell |
| General Surgery Prize | – | Tariq Parker |
| Sir Harry Annamunthodo Prize | – | Tariq Parker |
| Dr. Aubrey McFarlane Bursary | – | Tariq Parker |
| Paediatric Prize in Medicine & Therapeutics | – | Toshikah Wheatley |

**BSc Physical Therapy Students, 2012/13**

| | | |
|---|---|---|
| Best Performance in Anatomy | – | Carol-Ann Wooding |
| | – | Andre Whyte |

| | | |
|---|---|---|
| Best Performance in Physiology | – | Carol-Ann Wooding |
| Best Performance in Rehabilitation 1 | – | Claycia Morris |
| Best Performance in Rehabilitation 2 | – | Andre Whyte |
| Best Performance in Rehabilitation 3 | – | Carol-Ann Wooding |
| Outstanding Performance in Clinical Placement | – | Jessica Felix |
| Best Performance in Medical Science 1 | – | Briana Blackwood |
| Best Performance in Medical Science 2 | – | Jessica Felix |
| Best Performance in Medical Science 3 | – | Carol-Ann Wooding |

## STAFF PROMOTIONS

### Professors

Dr. Marshall Tulloch-Reid (Professor of Epidemiology and Endocrinology) and Dr. Jennifer Knight Madden (Professor of Paediatric Pulmonology and Clinical Research) were elevated to the rank of professor.

### Honorary Professorship

Professors Ormond Panton and Arthur Burnett were appointed Honorary Professor for three years effective July 1, 2014, on attachment to the Department of Surgery, Radiology, Anaesthesia and Intensive Care.

## CONDOLENCES

The Faculty mourned the passing of the following members of staff: the late Dr. Sujathamma Yeluru-Gandretti, former Lecturer in the Department of Basic Medical Sciences (Anatomy) on April 22, 2014; and the late Joan Shaw former Director of the SMRT on May 22, 2014.

## RESEARCH

The Faculty is committed to increase the number of research per capita

over the coming years. Staff members have been encouraged to produce quality research with wide collaboration which can be accepted for publication in high impact journals, attract meaningful grants and enhance the reputation of the UWI. The most recent initiative of the Faculty was the introduction of the FMS Publisher's Club that is geared primarily to provide mentorship to staff and students to enable them to improve their academic writing skills. It is expected that through this medium the Faculty will realise an increase in its research output, possibly through a rigorous conversion rate of abstracts/thesis/projects to manuscripts. Students are also being encouraged to produce research projects that are publishable. Additionally, the Faculty continues to support academic development of staff through the FMS/TMRI Research Fellowship, the UHWI/UWI Ethics Committee and hosting of workshops/seminars. The DDS programme provided leadership that resulted in the formation of the Caribbean Branch of the International Association of Dental Research (IADR) for which the first president is a member of the programme.

## RESEARCH AWARDS

At the Principal's Annual Awards Ceremony held in February 2014, members of staff received awards for their outstanding research work as follows:

### The Best Research Publications

- "Reducing Child Conduct Problems and Promoting Social Skills in a Middle-Income Country: Cluster Randomised Controlled Trial." Baker-Henningham H, Scott S, Jones K, Walker S. *Br J Psychiatry* 2012; 201:101-8. doi: 10.1192/bjp.bp.111.096834.
- "The Effect of Aerobic Exercise (Walking) Training on Functional Status and Health-Related Quality of Life in Chronic Stroke Survivors." Gordon CD, Wilks R, McCaw-Binns A. *Stroke* 2013; 44, 1179–1181. doi:10.1161/STROKEAHA.111.000642.
- "A Trial Comparing the Use of Rectal Misoprostol Plus Perivascular

Vasopressin with Perivascular Vasopressin Alone to Decrease Myometrial Bleeding at the Time of Abdominal Myomectomy." Frederick S, Frederick J, Fletcher H, Reid M, Hardie M, Gardner W. Fertil Steril 2013; 100(4):1044-9. doi 10.1016/j.fertnstert.20136.022.

- "Pathological Outcome and Biochemical Recurrence-free Survival Following Radical Prostatectomy in African-American, Afro Caribbean (Jamaican) and Caucasian Men: An International Comparison." Ritch C, Morrison B, Hruby G, Coard K, Mayhew R, Aiken W, Benson M, McKiernan J, *British Journal of Urology* 2012; 111(4):186–190. doi:101111/j.1464-410X.2012.11540.x.

**Table 3:** Publications per Department

| Department | Publications 2013/2014 | Conference Presentations 2013/2014 | Books (b)/ Book Chapter (bc) 2013/2014 |
|---|---|---|---|
| UWI School of Nursing | 7 | 6 | – |
| Basic Medical Sciences | 32 | 36 | 4(b); 4(bc) |
| Community Health & Psychiatry | 34 | 41 | 2(b); 4(bc) |
| Medicine | 6 | 18 | – |
| Obstetrics & Gynaecology | 8 | 7 | 1 (b)<br>3 (bc) |
| Child & Adolescent Health | 9 | 14 | 1(bc) |
| Pathology | 17 | 14 | – |
| Microbiology | 11 | 13 | – |
| Surgery, Radiology, Anaesthesia & Intensive Care | 29 | 48 | – |
| TMRU/Sickle Cell Unit | 46 | 45 | 1(bc) |
| Units/Sections under the Dean's Office | 2 | 12 | – |
| **Total** | **201** | **214** | **9(b)/11(bc)** |

**The Most Outstanding Research Activity**

- The **Yam/Biotechnology Group:** Professor Helen N. Asemota, Dr. Curtis O. Green, Dr. Andrew Wheatley, Dr. Lowell Dilworth, Dr. Donovan McGrowder, Dr. Dewayne Stennett, Mr. Michael Gardner, Mr. Ryan Francis, Dr. Denise Bailey, for producing seven articles:

  "Bioavailability of Essential Minerals from Staples Commonly Consumed in the Tropics"| "Modulation of the Antioxidant Atatus of the Hearts and Brains of Genetically Modified Hypercholesterolemic Mice Overproducing HDL Cholesterol following Acute Bitter Yam Supplementation" | "Effects of Dioscorea Polygonoides (Jamaican Bitter Yam) Supplementation in Normocholesterolemic and genetically Modified Hypercholesterolemic Mice Species" | "Effects of Acetylation on the Micromeritics of Yam (Dioscorea sp.) Starch Powder for Pharmaceutical Application" | "Intestinal Morphology Assessments of rats Fed Phytic Acid Extract from Sweet Potato (Ipomea batas) and IP6" | "Citrus Peel Polymethoxylated Flavones Extract Modulates Liver and Heart Function Parameters in Diet Induced Hypercholesterolemic Rats" | "Modulation of Antioxidant Enzymes Activities and Lipid Peroxidation Products in Diet-induced Hypercholesterolemic Rats Fed Ortanique Peel PMFs Extract".

- **Professor Marvin Reid**, Tropical Medicine Research Institute, for producing 13 articles:

  "Determining Glomerular Filtration Rate in Homozygous Sickle Cell Disease: Utility of Serum Creatinine Based Estimating Equations" |"Splenic Enlargement in Adults with Homozygous Sickle Cell Disease: the Jamaica Experience" | "Blood Viscosity and the Expression of Inflammatory and Adhesion Markers in Homozygous Sickle Cell Disease Subjects with Chronic Leg Ulcer" |"The Effect of Antenatal Factors and Postnatal Growth on Serum Adiponectin Levels in Children" | "Acute Pyelonephritis in Pregnancy: A Retrospective Descriptive Hospital Based Study" | "Morinda Citrifolia (Noni) as Anti-Inflammatory Treatment in Women with Primary Dysmenorrhoea: A Randomized Double-Blind Placebo-Controlled Trial" | "A Trial Comparing the Use of Rectal Misoprostol Plus

Perivascular at the time of Abdominal Myomectomy" | "Locus of Control, Depression and Quality of Life Among Persons with Sickle Cell Disease in Jamaica" | "Mortality, Asthma, Smoking and Acute Chest Syndrome in Young Adults with Sickle Cell Disease" | "Relationship Between Acute Chest Syndrome and the Sympathovagal Balance in Adults with Hemoglobin SS Disease; A Case Control Study" | "A Phase 1/2 Trial of HQK-1001, an Oral Fetal Globin Inducer in Sickle Cell Disease" | "A Dose-escalation Phase IIa Study of 2, 2-Dimethylbutyrate (HQK-1001), an Oral Fetal Globin Inducer in Sickle Cell Disease"| "Testosterone Replacement Therapy Does not Promote Priapism in Hypogonadal Men in Sickle Cell Disease: 12 –Month Safety Report".

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

- "Elimination of Vertical (Mother-to-child) Transmission of HIV/AIDS and Congenital Syphilis in Jamaica."

  **Awardees:** Professors Celia Christie-Samuels and Russell Pierre (Department of Child and Adolescent Health), Dr. Orville Morgan (Department of Obstetrics and Gynaecology) and Dr. Kevin Harvey (Department of Medicine) and Collaborators.

**The Research Project with the Greatest Business/Economic/ Development Impact**

- "Novel Treatments of Hyperglycemia and Hypertension, High Blood Sugar Levels and High Blood Pressure in Rat Models"

  **Awardees:** Dr. Ruby Alexander-Lindo and Dr. Denise Daley-Beckford (Department of Basic Medical Sciences) and Professors Trevor Yee and Paul Reese (Department of Chemistry).

**The Research Project with the Greatest Multidisciplinary/Cross Faculty Collaboration**

- "Research on Understanding Prostate Cancer in Jamaica: Aetiology, Outcomes and Prevention".

**Awardees:** Dr. Maria Jackson (Department of Community Health and Psychiatry); Dr. Marshall Tulloch-Reid (Tropical Metabolism Research Institute); Dr. William Aiken and Dr. Trevor Tulloch (Department of Surgery, Radiology, Anaesthesia & Intensive Care); Professor Franklyn Bennett and Professor Kathleen Coard (Department of Pathology); Dr. Norma McFarlane-Anderson (Department of Basic Medical Sciences: Radiology, Dr. Robert Wan (Kingston Public Hospital); and Collaborators.

## RESEARCH GRANTS

The Faculty has remained successful in attracting research grants from internal and external sources. Seven members of staff received research from the Principal's Research Award and one was awarded a Fellowship. Grant funding was received for the period in excess of JA$172,982,286 from local and international donors to conduct research social and health-related issues. Details of the grants received will appear in the individual departmental reports.

## GRADUATE STUDIES

The Faculty continued to develop programmes/courses to meet the needs of the Region. The following programmes received approval from the relevant Committees/Boards during the year.

- MBA-MPH in Health Management
- MPH Gerontology
- Postgraduate Diploma in Gerontology
- DM Plastic Surgery
- Research and Bioethics Course for DM Students
- MSc Speech and Language Pathology

## Registered Graduate Students (2013–2014)

| Programmes | No. of Students 2012/2013 | No. of Students 2013/2014 |
|---|---|---|
| Specially Admitted | – | 5 |
| Dip Family Medicine | 16 | 10 |
| DM | 318 | 403 |
| DrPH | 22 | 27 |
| MPH | 42 | 35 |
| Taught Masters | 297 | 205 |
| MPhil | 58 | 56 |
| PhD | 35 | 30 |
| Clinical Fellowship | – | 1 |
| **Total** | **788** | **772** |

## Completed Graduate Students (2013–2014)

| Programmes | No. of Students 2012/2013 | No. of Students 2013/2014 |
|---|---|---|
| Dip Family Medicine | 6 | 3 |
| DM | 37 | 75 |
| DrPH | – | 1 |
| MPH | 20 | 11 |
| Taught Masters | 85 | 77 |
| MPhil | 4 | 5 |
| PhD | 7 | 9 |
| Clinical Fellowship | – | – |
| **Total** | **159** | **181** |

## INCOME GENERATION AND BUDGETARY CONSIDERATIONS

The UWI signed a contract on June 30, 2014 valued at Euro $1.1m with the European Union and the Government of Jamaica (through the Planning Institute of Jamaica) for the Faculty to provide graduate medical and nursing training for the Programme of Reduction of Maternal and Child Mortality (PROMAC). This training consultancy will support the staffing of High Dependency Units which will be established islandwide to provide emergency care for mothers and infants. Proceeds from this grant will assist in the purchase of equipment and infrastructural development.

Individual Departments have also been involved in various activities. CARIMENSA received donations of $600,000 from private sector individuals. SMRT earned $2,070,000 through its Distance Learning Ultrasound Programme.

## CONCLUSION

The Faculty has made great progress. The main challenges had to do with the large number of students and the associated increase in costs. Publications and research appear to be static and require the buy-in of all staff. Financial woes have also hampered our progress, with increased cost of teaching and learning and large number of students who struggled to pay fees on time.

The inability to pay our suppliers on time has resulted in many challenges thus hindering the completion of projects, reducing our ability to obtain lab reagents and to service equipment as needed. Hopefully, solutions can be found as we move forward to alleviate these challenges.

# DEPARTMENT OF BASIC MEDICAL SCIENCES

**Dr. Andrew Pearson**, BSc, PhD *Leeds*, Dip Mgt. Stds. *UWI*
**Head of Department**

## WORK OF THE DEPARTMENT

The Department is evolving a new management structure in response to the constraints in resources that are now largely dominating decision-making. Instead of maintaining the duplicated administrative reporting functions of the previous sections – formerly Departments – much of the decision-making has been harmonized by devolution to committees of the major stake-holders:

- Technical Services Advisory Committee
- Academic Advisory Committee
- Postgraduate Advisory Sub-Committee
- Service Staff Advisory Committee
- Administrative Advisory Committee
- Social Events and Entertainment Committee

The Department continued to face challenges in attracting enough academic staff to replace those past the age of retirement. However, efforts were expended to improve the morale of staff and this was achieved by a mix of social events and training sessions.

## STAFF AWARDS AND PROMOTIONS

The Faculty of Medical Sciences held their 22nd Annual Research Conference and Workshop on November 7 and 8, 2013. Prizes were awarded to the department as follows:

### BMS Poster Presentation prize ($5,000.00)

- Reid, M, Nunes, N, McGrowder, D. and Nwokocha, C. (2013). A comparison of the effect of potassium adaptation on uninephrectomised rat treated with deoxycorticosterone acetate (DOCA) and L-NG-Nitroarginine methyl ester induced hypertensive models.

### BMS Oral Presentation prize ($10,000)

- Kennedy-Dixon, T, Gossell-Williams, M, Hall, J. and Anglin-Brown, B. (2013). The prevalence of potential drug-drug interactions on prescriptions filled at the University Health Centre pharmacy between November 2012 and February 2013.

### The Principal's Research Award for Research Project with the Greatest Business/Economic/Development Impact

- Received by Dr. Ruby Lindo for: "Novel Treatment for Hyperglycaemia and Hypertension, high blood sugar levels and high blood pressure in the rat models".
- Dr. Rachael Irving – World Justice Forum IV Scholarship to the Hague Netherlands, 8–11 July, 2013.
- Dr. Rachael Irving – International Observer to World Anti-doping Agency (WADA) Code Changing Forum, South Africa, November 12–15, 2013.

## APPOINTMENTS

- Dr. Michael Rowe joined the Department on February 3, 2014 as Senior Lecturer.
- Professor Helen Asemota was appointed to the post of Director, The Biotechnology Centre on August 1, 2013. However, she still continues her teaching and research duties in the Department.
- Drs. Rachael Irving and Christopher Ogunsalu received indefinite tenure effective August 1, 2014.
- Dr. Hugh McLean joined the Department on August 1, 2014 as Senior Lecturer.
- Dr. Jacqueline Campbell was appointed to post of Lecturer with effect from August 1, 2014.
- Mrs. Kisha McLeod-Martin was promoted to the post of Assistant Lecturer.
- Mr. Cordell Miller was promoted to Animal House Supervisor in the Animal House. He also received grant assistance through the Staff Development Fund to pursue an Associate Degree in Health Care Management at Penn Foster College.

## ADJUNCT LECTURERS

- Mr. Herman Alvaranga was offered a Contract for Services as Adjunct Senior Lecturer for the academic year 2013/2014.
- Mr. Kevin Harriott was offered a Contract for Services as Adjunct Lecturer for the academic year 2013/2014.
- Mrs. Kerry-Ann Heavens was offered a Contract for Services as Adjunct Senior Lecturer for the academic year 2013/2014.
- Mr. Gregory Williams was appointed Adjunct Lecture in the MSc Forensic Science programme for the period September 2, 2013 to July 31, 2014.

## RESIGNATIONS

- Dr. Jacqueline Corness, Senior Lecturer, has now returned to Canada.
- Dr. Michelle Hamilton resigned.

## STAFF DEVELOPMENT

Staff members participated in an Emergency Evacuation Workshop which was conducted on January 16, 2014. Certificate of achievements were awarded to the following:

AMARAKOON, Icolyn

BAILEY-GRIFFITHS, Norma

BENNETT-MILLER, Sandrea

DAWSON, Clinton

HALL, Craig

HARRISON, Simone

HOWDEN, Jevan

JOHNSON, Kadeesh

LEWIS, Anishka

RICHARDS, Andrea

SMITH, Garret

SMITH, Thornia

THOMAS, Everton

TURNER-DAWKINS, Angella

WALKER, Orville

WARREN, Delano

WAUGH, Juliet

YOUNG, Winston

Technical and Service staff members were also selected to attend the Essentials of Occupational Health and Safety course for the period September 17, 2013, where certificate of participation was received. This was done on a Thursday between the hours of 1:00 p.m. and 3:00 p.m. for six weeks. This programme covered areas such as:

- Hazard recognition, evaluation and control
- Occupational safety and health legislation
- Conducting workplace inspections
- Accident Investigation
- Introduction to Occupational safety and health management systems

A few members of the Administrative, Technical and Service staff attended training courses in

- Emergency Evacuation which was conducted by Safety and Emergency Management
- First Aid certification training session which was conducted by Red Cross of Jamaica and directed by Mr. Clinton Dawson, Laboratory Manager.

The following staff members have been certified as First Aid & CPR practitioners

AMARAKOON, Icolyn

ANDERSON, Omar

BAILEY-GRIFFITHS, Norma

BAIR, Rochelle

BENNETT-MILLER, Sandrea

BROWN, Lancedale

CLARKE, Peta-Gaye

GREEN, Colin

HALL, Craig

HARRISON, Simone

HARTLEY, Dave
HAYLES, Kemorine
HOWDEN, Jevan
JOHNSON, Kadeesh
JONES-EDWARDS, Erica
LEWIS, Aniska
MAIR, Juliet
MATHEISON, Aneisha
MIGUEL, David
RICHARDS, Andrea
SHAND, Dawn
SMITH, Thornia
SPENCER, Morgan
THOMAS, Everton
THOMAS, Georgia
TURNER-DAWKINS, Angella
WARREN, Delano
WAUGH, Juliet
WILMOT-PARCHMENT, Rosita
YOUNG, Winston

The following were awarded a certificate in Basic First Aid
COLE, Tanya
FRANCIS, Alton
PARCHMENT, Barrington
REDDIE, Donna
STEWART, Melissa
WALKER, Orville

Mrs. Sandrea Bennett-Miller and Ms. Thornia Smith attended workshops at the Human Resource Management Division on Records Management Essentials: The Business Proposition and Terms and Conditions of Service for UWI Employees.

Ms. Thornia Smith and Mr. Clinton Dawson attended a series of Leadership and Management Skill Enhancement sessions (April to July 2014) under the theme "IMPACT FACTOR" which was conducted through the UWI, Human Resource Management Division.

A Laboratory Safety Discussion session was held on January 15, 2014 for Laboratory Attendants of Basic Medical Sciences.

Dr Audrey Jacob was awarded certificate of accomplishment; 'Writing in the Sciences'. Stanford Online (November 2013).

Dr Jacqueline Campbell received training in Basic and Advanced Research Skills Workshop hosted by the Epidemiology Research Unit held June 17–25 & July 1–9, 2014.

Miss Anishka Lewis received training/exposure to Environmental Toxicology/Environmental Medicine at New York University, Langone Medical Center, Department of Environmental Medicine during the period July 15–19, 2014 training in:

- inhalation experiments with mice exposed to ambient particulate matter,
- ultrasound experiments on pregnant mice,
- oral gavage experiments with fracking fluid in mice,
- treat cells with fracking fluid to determine cytotoxicity by ATP assay,
- immunotoxicity assays
- serum cytokine assays for interleukins

## PAPERS/POSTERS PRESENTED AT SCIENTIFIC MEETINGS

- Levy, A, Murugan, R, Quinonez, Y, Jordanal, J, Rathinavelu, A, Dhandayuthapani, S. (2013). A promising anti-prostate cancer profile of Stinging nettle (*Urtica dioica*) extract.

- Blair, T, Thomas, E. and Singh, P. D. A. (2013). Investigation of the effect of *Cassia occidentalis* (Piss-a-bed) extract on dieresis.
- Heron, M., Jacob, A. S., Thomas, E. A. and Williams, L. A. D. (2013). An investigation of the anti-inflammatory properties of *Croton linearis* (Wild Rosemary).
- Williams, D., Howden, J. A. D., Thomas, E. A. and Singh, P. D. A. (2013). An investigation of the acute Anti-inflammatory properties of *Rivina humilis* (2013).
- Lewis, A, Williams, M, Golding, C and McKoy, M. (2013). Investigation of the anti-convulsant potential of the fluid from the bud of the *Spathodea campanulata* plant.
- Evans, C and Campbell, J. E. (2013). Determining the knowledge and attitude of final year medical students of adverse drug events reporting.
- Smith, L, Gossell-Williams, M, Morris, C and Eldemire-Shearer, D. (2013). Prevalence of orthostatic hypotension among aging patients on antihypertensive and antidepressants and assessment of the risk of falls.
- Reid, M, Nunes, N, McGrowder, D and Nwokocha, C. (2013). A comparison of the effect of potassium adaptation on uninephrectomised rat treated with deoxycorticosterone acetate (DOCA) and L-NG-Nitroarginine methyl ester induced hypertensive models.
- Thompson, T. and Brown, P. D. (2013). Analysis of virulence determinants and antimicrobial resistance between methicillin-resistant and methicillin-sensitive *Staphylococcus aureus*.
- Vernon, M, Pratt, L, Lewis, A. and Levy, A. (2013). Novel anti-inflammatory profile of *Salvia hispanica* L. (Chia) oil in Complete Freund's Adjuvant arthritis is mediated through reduction of C-Reactive protein levels.
- Rhoden, T, Jackson, S. T., McLaughlin, W, Soares, D and Lindo, J. F. (2013). Molecular detection of *Toxoplasma gondii* in patients presenting with neurological manifestations in Jamaica.

- Davis, R, Daley, S and Brown, P. D. (2013). Biofilm formation, multiple antibiotic resistance and oxidative stress tolerance among pathogens of respiratory origin.
- Ragoobirsingh, D. (2013). Diabetes and Folklore – The Jamaican Experience, Diabetes UK Headquarters, June 19, 2013, Camden, London, United Kingdom.
- Ragoobirsingh, D. (2013). Diabetes and Caribbean Folklore – The Trinidad and Tobago High Commission, June 20, 2013, London, United Kingdom.
- Ragoobirsingh, D. (2013). Colorful Radio Interview, June 19, 2013, Vauxhall, London, United Kingdom. http://www.colourfulradio.com/presenter/jacquigrant/
- Ragoobirsingh, D. (2014). Black and Asian peoples Diabetes Campaign Seminar I – Prevention is Better than Cure, Jack Dunning Hall, Homerton Row, Hackney, July 02, 2014, London,U.K.
- Ragoobirsingh, D. (2014). Black and Asian peoples Diabetes Campaign Seminar II – Prevention is Better than Cure, Jack Dunning Hall, Homerton Row, Hackney, July 03, 2014, London,U.K.
- Ragoobirsingh, D. (2014). Black and Asian peoples Diabetes Campaign Seminar III –Prevention is Better than Cure, Jack Dunning Hall, Homerton Row, Hackney, July 04, 2014, London,U.K.
- Stephenson, S., Brown, P. D. (2013). Putative epigenetic influence of DNA adenine methylase on P fimbriae expression and attachment among fluoroquinolone-resistant uropathogenic *Escherichia coli* to human urinary cell lines. UWI Faculty of Medical Sciences 22nd Annual Research Conference, Kingston, Jamaica, November 6-8, 2013.
- Thompson, T. and Brown, P. D. (2013). Analysis of virulence determinants and antimicrobial resistance between methicillin-resistant and methicillin sensitive *Staphylococcus aureus*. UWI Faculty of Medical Sciences 22nd Annual Research Conference, Kingston, Jamaica, November 6–8, 2013.

This was also presented at: Ministry of Health 4th National Health Research Conference on "Environmental Health and Communicable Diseases." Terra Nova All-Suite Hotel, Kingston, Jamaica. November 28–29, 2013.

- Stephenson, S and Brown, P. D. (2014). Dam methylation influences *P. fimbriae* expression and binding of fluoroquinolone-resistant UPEC. 16th International Congress on Infectious Diseases, Cape Town, South Africa. April 2–5, 2014.
- Chinnaiyan A, Salmon C, Levy AS, Rathinavelu A, Sivanesan D. Analysis of Q356R polymorphism in BRCA1 gene of Jamaican ovarian cancer patients. In: Proceedings of the 105th Annual Meeting of the American Association for Cancer Research 2014; April 5–9; San Diego, CA. Philadelphia (PA): AACR; 2014.
- Khallouki A, Levy A. S, Rathinavelu A, Sivanesan D . Investigation of the Cytotoxic Effects of Aqueous Extract of *Urtica dioica* on LNCaP Prostate Cancer Cell Line". In: Proceedings of the Annual Biomedical Research Conference for Minority Students (ABRCMS) 2013; November 13–16, Nashville, USA.
- Salmon C, Levy AS. Survival rates and reproductive traits of Jamaican women diagnosed with ovarian carcinoma. *West Indian Medical Journal* 2013; 62 (Suppl 6): 53.
- Vernon C, Lewis A, Pratt L, Levy AS. Novel Anti-inflammatory profile of *Salvia hispanica* L. ( Chia oil) in complete freunds adjuvant arthritis is mediated through reduction of C-reactive protein levels. *West Indian Medical Journal* 2013; 62 (Suppl 6 ): 55.
- Levy, A. S, Rathinavelu, A, Sivanesan, D, Murugan, R. Jornadal, J, Quinonez, Y, Jaffe, M. A. promising anti-prostate cancer profile of stinging nettle extract. *West Indian Medical Journal* 2013; 62 (Suppl 6): 40.
- Levy, A.S. Ethical issues in research involving human cancer cell lines. 16th annual research conference Ethics symposium. Invited lecture. 22nd annual research conference. Faculty of Medical Sciences, University of the West Indies, Mona. November, 2013.

- Smith, L Gossell-Williams, M, Morris, C, Eldemire-Shearer, D. Prevalence of predictors of orthostatic hypertension among ageing patients on antihypertensive and antidepressants and assessment of falls. In: Proceedings of the 59th Annual CARPHA (CHRC) Conference will be held in Aruba from May 1st – 3rd, 2014, 2014 *West Indian Medical Journal*. 63 (Suppl 2): 38 ABSTRACT O-10.
- Burke, C, Rhoden, M, and Singh, PDA (2013). Investigation of the mechanism of the anti-inflammatory action of the fluid from the bud of *Spathodea campanulata* (African tulip). In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 38. ABSTRACT O-22.
- Kennedy-Dixon, T Gossell-Williams, M, Hall, J and Anglin-Brown, B. (2013). The prevalence of potential drug-drug interactions on prescriptions filled at the University Health Centre Pharmacy between November 2012 and February 2013.In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 38 ABSTRACT O-23.

**POSTER PRESENTATION AT SCIENTIFIC MEETINGS**

- Williams, LAD, Jacob, AS and Heron, M. (2013). An Investigation of the anti-inflammatory properties of *Croton linearis* (wild rosemary). In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 41; ABSTRACT P-3
- Blair, T, Thomas, E, and Singh, PDA. (2013). Investigation of the effect of *Cassia occidentalis* (piss-a-bed) extract on diuresis.In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6):40. ABSTRACT P-2.
- Chinnaiyan, A, Salmon C, Levy, AS, Rathinavelu, A, Sivanesan D. (2014). Analysis of Q356R polymorphism in BRCA1 gene of Jamaican

ovarian cancer patients. In: Proceedings of the 105th Annual Meeting of the American Association for Cancer Research 2014; Apr 5–9; San Diego, CA. Philadelphia (PA): AACR; 2014.

- Khallouki, A, Levy, AS, Rathinavelu, A, Sivanesan, D. (2013). Investigation of the Cytotoxic Effects of Aqueous Extract of *Urtica dioica* on LNCaP Prostate Cancer Cell Line". In: Proceedings of the Annual Biomedical Research Conference for Minority Students (ABRCMS) 2013; Nov. 13–16, Nashville, USA.
- Salmon, C and Levy, AS. (2013). Survival rates and reproductive traits of Jamaican women diagnosed with ovarian carcinoma. In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 53, ABSTRACT P-35.
- Vernon, C, Lewis A, Pratt L and Levy AS. 92013). Novel Anti-inflammatory profile of *Salvia hispanica* L. ( Chia oil) in complete freunds adjuvant arthritis is mediated through reduction of C-reactive protein levels. In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 55, ABSTRACT P-40
- Levy, AS, Rathinavelu, A, Sivanesan, D, Murugan, R. Jornadal J, Quinonez Y, Jaffe M. (2013). A promising anti-prostate cancer profile of stinging nettle extract. In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 40, ABTRACT P-1.
- Evans, C, Campbell, J. (2013). Determining the knowledge and attitude of final year medical students of adverse events reporting. In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 43, ABSTRACT P-8
- Lewis, M. Williams, C. Golding, M. McKoy. "Investigation of the anti-convulsant potential of the fluid from the bud of the *Spathodea*

*campanulata* plant". In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 41 (P-5).

- Thomas, P, Gossell-Williams, M, Martin, J, Sewell, C and Abel, W. (2013). Assessment of antipsychotic therapy in the management of male cannabis users presenting to the University Hospital of the West Indies with psychotic episodes. In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 42 ABSTRACT P-7.
- Smith, L, Gossell-Williams, M, Morris, C and Eldermire-Shearer, D. (2013). Prevalence of orthostatic hypotension among ageing patients on antihypertensives and antidepressants and assessment of the risk of falls. In: Proceedings of the 22nd Annual Research Conference held November 7th, 2013 University of the West Indies, Mona Campus. *West Indian Medical Journal*. Vol 62 (Suppl 6): 45 ABSTRACT P-13.
- Levy, AS. (2014). Ethical issues in research involving human cancer cell lines. 16th annual research conference Ethics symposium. Invited lecture. 22nd annual research conference. Faculty of Medical Sciences, University of the West Indies, Mona. November, 2013
- Campbell, J. (2014). Oral presentation Pharmacological management of stress at the Stress Management held May 8, 2014 , Department of Basic Medical Sciences, UWI.

## CONFERENCE ATTENDED

**Dr. Lauriann Young-Martin**

Attended the 22nd Annual Puerto Rico Neuroscience Conference, University of Puerto Rico, December 7, 2014. The trip was funded by the International Brain Research Organization (IBRO).

## BOOKS AND MONOGRAPHS

### Professor Dalip Ragoobirsingh

Diabetes can be prevented – Asian Handbook, Institute of Black Culture, Media and Sports, 43 Linslade House Whiston Road, Hackney, London, UK.

Diabetes can be prevented – Afro-Caribbean/African Handbook, Institute of Black Culture, Media and Sports, 43 Linslade House Whiston Road, Hackney, London, UK.

### Dr. Paul Brown

Brown, P. D. Jamaica: Heavy metals in the natural and anthropic environments (2014). Reference Module in Earth Systems and Environmental Sciences, Elsevier. DOI: 10.1016/B978-0-12-409548-9.09056-4. (8 pages)

## TECHNICAL REPORT

Young, L. E. et al (2014). CAAM-HP Report on the Survey of the Medical School at the American University of Antigua, April 6–11, 2014; p. 1–30.

## REFEREED JOURNAL

- Barrett, S. C., Huffman, F. G, Johnson, P., Campa, A., Magnus, M. and Ragoobirsingh, D (2013). An Epidemiological Study of Jamaican Adolescents' Risk for Type 2 Diabetes and Cardiovascular Diseases. *British Medical J*. Open 2013; 3:e002817. doi:10.1136/bmjopen-2013-002817, 1–9.
- Ragoobirsingh, D (2013). Diabetes and Caribbean Culture. *Diabetes Update*, Winter 2013, 26–29.

- Ali, M. K. and Ragoobirsingh, D (2013). A Review of nicotine-alcohol induced differential feeding behavior. *Open Access Alcohol J* 2013 August 01; 1(2):14
- Lindo, J. F., Brown, P. D., Vickers, I. E., Brown, M. G., Jackson, S. T., Lewis-Fuller, E (2013). Leptospirosis and malaria as causes of febrile illness during a dengue epidemic in Jamaica. *Pathogens and Global Health* 107(6): 329–334. (# correspondence)
- Evans-Gilbert, T., Lindo, J. F., Henry, S., Brown, P. D., Christie, C. D. C (2014). Severe eosinophilic meningitis owing to *Angiostrongylus cantonensis* in young Jamaican children: case report and literature review. *Paediatrics and International Child Health* 34(2): 148–152. DOI: 10.1179/2046905513Y.0000000106. [Involved in study design, data interpretation and manuscript preparation]
- Allwood, P., Munoz-Zanzi, C., Chang, M. and Brown, P. D. (2014). Knowledge, perceptions and environmental risk factors among Jamaican households with a history of leptospirosis. *Journal of Infection and Public Health* (# correspondence) DOI: 10.1016/j.jiph.2014.03.004
- Pepple, D. J., Young, L. E, Gordon-Strachan, G. M., Carroll, G. R. Preclinical grades predict clinical performance in MBBS Stage II Examinations at the University of the West Indies, Mona Campus. *Nigerian Journal of Physiological Sciences* 2013 (December); 28: 201–204. (www.njps.com.ng)
- Amarakoon, I. I., Ramkissoon, A., Pierre, R., Eysaguirre, L. M., Carr, J. K., Blattner, W. A., Roye, M. E. HIV-1 *Antiretroviral Drug Resistance in Pregnant Women in Jamaica: A Preliminary Report.* 2014. DOI: 10.7727/wimj.2014.016.
- Dilworth, L.L, Brown, K. J., Wright, R. J, Oliver, M. S. and Asemota H. N. (2014). An assessment of bioactive compounds and antioxidants in some tropical legumes, seeds, fruits and spices. *Journal of Research in Biology* 3(7): 1182–1194
- Stennett, Dewayne, E., Oladeinde, Frederick, Wheatley, Andrew O., Dilworth, Lowell L., Hohmann, Christine, Bryant, Joseph and Asemota, Helen, N. (2014). Evaluation of the effects of bitter yam tuber

supplementation on serum parameters used to assess hepatotoxicity and nephrotoxicity in transgenic mice. *Journal of Bioscience and Biotechnology*, 3(2): 133–139.

- McKoy, Marsha-Lyn, Grant, Kevin, Asemota, Helen, Simon, Oswald and Omoruyi, Felix. (2014). Renal and Hepatic Function in Hypercholesterolemic Rats Fed Jamaican Bitter Yam (*Dioscorea polygonoides*) *Journal of Dietary Supplements*, 00(00):1–11
- Curtello, S., Vaillant, A. A. J., Asemota, H., Smikle, M. P., & Akpaka, P. E. (2014). *Salmonella yeerongpilly* in a Chinese Owl (Columba livia domestica) in Jamaica. *British Microbiology Research Journal,* 4(2), 167–172.
- Curtello, S., Vaillant, A. A. J., Asemota, H., Smikle, M. P., & Akpaka, P. E. (2014). A DNA vaccine versus attenuated vaccine to protect against Salmonella infection in chickens. *British Journal of Medicine and Medical Research*, 4(3), 828–842.
- Curtello, S., Vaillant, A. A. J., Asemota, H., Akpaka, P. E., & Smikle, M. P. (2013). Prevalence of Salmonella organisms in poultry and poultry environments in Jamaica. *British Microbiology Research Journa*l, 3(4), 461–469.
- Asemota, H., Curtello, S., Vaillant, A. A. J., Mohammed, W., & Vuma, S. (2013). Purification of Avian IgY with Trichloroacetic Acid (TCA). *J Chromatograph Separat Techniq*, 4(205), 2.
- Curtello, S., Vaillant, A. A. J., Asemota, H., Akpaka, P. E., & Smikle, M. P. (2013). The Effectiveness of Antibiotics in the Prevention of *Salmonella typhimurium* in Growing Chickens. *American Journal of Experimental Agriculture*, 3(4), 849–856.
- Stennett, Dewayne, Oladeinde, Frederick, Wheatley, Andrew, Dilworth, Lowell, Bryant, Joseph, Asemota, Helen. (2013). Modulation of the antioxidant status of the hearts and brains of genetically modified hypercholesterolemic mice overproducing HDL cholesterol following acute bitter yam supplementation. *Oxidants and Antioxidants in Medical Science*. 2013; 2(1):11–19.

- Green, C. O., Wheatley, A.O., McGrowder, D.A., Dilworth, L.L. and Asemota, H.N (2013). Citrus peel polymethoxylated flavones extract modulates liver and heart function parameters in diet induced hypercholesterolemic rats. *Food and Chemical Toxicology* 51 (2013) 306–309.
- Stennett, Dewayne, Oladeinde, Frederick, Wheatley, Andrew, Bryant, Joseph, Dilworth, Lowell and Asemota, Helen. (2013). Effects of Dioscorea polygonoides (Jamaican Bitter Yam) supplementation in normocholesterolemic and genetically modified hypercholesterolemic mice species. *Journal of Food Biochemistry*. Available online at http://authorservices.wiley.com/bauthor/onlineLibraryTPS.asp?DOI=10.1111/jfbc.12022&ArticleID=1104068
- Stennett, Dewayne, Oladeinde, Frederick, Wheatley, Andrew, Bryant, Joseph, Dilworth, Lowell and Asemota, Helen. (2013). Effects of *Dioscorea polygonoides* (Jamaican Bitter Yam) supplementation in normocholesterolemic and genetically modified hypercholesterolemic mice species. *Journal of Food Biochemistry*. Available online at http://authorservices.wiley.com/bauthor/onlineLibraryTPS.asp?DOI=10.1111/jfbc.12022&ArticleID=1104068
- Brown, Caneta, McFarlane-Anderson, Norma, Alexander-Lindo, Ruby, Bishop, Karen, Dasgupta, Tara, McGrowder, Donovan. "The Effects of S-Nitrosoglutathione and S-Nitroso-N-Acetyl-D, L-penicillamine in a Rat Model of Pre-Eclampsia". *Journal of Natural Science, Biology and Medicine* 4: 330-5 (2013)
- Facey A, Irving R, Dilworth L. Overview of Lactate Metabolism and the Implications for Athletes. *American Journal of Sports Science and Medicine*, 2013; 1(3): 42-46
- Irving R, Charlton V, Morrison E, Facey A, Buchanan O. Demographic Characteristics of World Class Jamaican Sprinters. *The Scientific World Journal* 2013; article ID 670217: http://dx.doi.org/10.1155/2013/670217
- Rathinavelu A, Levy AS, Sivanesan D, Murugan R. Jornadal J, Quinonez Y, Jaffe M, Gossell-Williams M. Cytotoxic effects of

Pumpkin (Curcurbita pepo) Seed Extracts in LNCaP Prostate Cancer Cells is mediated through Apoptosis. *Current Topics in Nutraceutical Research* 2013; 11 (4): 137–144.

- Christie SA, Levy AS. Evaluation of the Hypoglycaemic Activity of *Petiveria alliacea* (Guinea Hen Weed) Extracts in Normoglycaemic and Diabetic Rat Models. *West Indian Medical Journal* 2013; 62 (8): 685–691.
- Levy AS, Sivanesan D, Murugan R, Jornadal J, Quinonez Y, Jaffe M, Rathinavelu A. *Urtica dioica* Induces Cytotoxicity in Human Prostate Carcinoma LNCaP Cells: Involvement of Oxidative Stress, Mitochondrial Depolarization and Apoptosis. *Tropical Journal of Pharmaceutical Research* 2014; 13 (5): 711–717.
- Cameron C, Jacob AS, Thomas EA , Levy AS. Preliminary investigation of anti-inflammatory and anti-histamine effect of a crude extract of *Justicia pectoralis* (Fresh cut) on tracheal smooth muscle contraction and cutaneous wheal formation. [Accepted by *West Indian Medical Journal*, July 28th 2014].
- Jacob AS, Simon OR, Wheatle D, Ruddock P, McCook K. (2014). Antihistamine effect of a pure bioactive compound isolated from slug *(Diplosolenodes occidentalis)* material. E-pub ahead-of-print and may be viewed at https://myspot.mona.uwi.edu/fms/wimj/article/1880 / DOI is 10.7727/wimj.2013.269.
- Rathinavelu A, Levy AS, Sivanesan D, Murugan R. Jornadal J, Quinonez Y, Jaffe M, Gossell-Williams M. Cytotoxic effects of Pumpkin (*Curcurbita pepo*) Seed Extracts in LNCaP Prostate Cancer Cells is mediated through Apoptosis. *Current Topics in Nutraceutical Research* 2013; 11 (4): 137–144.
- Christie, SA, Levy, AS. Evaluation of the Hypoglycaemic Activity of *Petiveria alliacea* (Guinea Hen Weed) Extracts in Normoglycaemic and Diabetic Rat Models. *West Indian Medical Journal* 2013; 62 (8): 685–691.
- Coulson A, Levy AS, Gossell-Williams, M. (2013). Monoclonal Antibodies in Cancer therapy: Mechanisms, Successes and Limitations.

*West Indian Medical Journal*. Epub ahead of print/ EDO1-10.7727/wimj.2013.241. https://myspot.mona.uwi.edu/fms/wimj/article/1809

- Richards PD, Richards AA, McKoy MG, Pepple DJ. The in vitro effects of sulfadoxine/pyrimethamine and artemether/lumefantrine on the viscosity and elasticity of erythrocyte membrane of healthy females. *Clinical Hemorheology and Microcirculation* 2013. DOI: 10.3233/CH-131798.E-Pub at http://iospress.metapress.com/content/l22pg252363x8843/
- Gossell-Williams, M., Williams-Johnson, J., Williams, E. W. and Levy, P. (2013). A Case for a Holistic Approach to the Improvement of Compliance among Hypertensive Patients: A Hospital Review. *West Indian Medical Journal* 2014; Vol 63, Issue 3: DOI:10.7727/wimj.2013.156
- Smith, L., Gossell-Williams, M. & Eldemire-Shearer, D. (2014) Statins Associated With Orthostatic Hypotension in the Aging Hypertensive Adult of Caribbean Descent and the Protective Benefits of Angiotensin Enzyme Inhibitors. *International Journal of Health Sciences and Research*; 4 (5), 613.
- Gossell-Williams, M, Williams-Johnson, J and Mc Leary, S. (2013). Potential Impairment of Hypoglycemic Control Associated with Drug Interactions: A Look at Closer Management Needs for Diabetes Mellitus. *J Pharmacovigilance* 2013, 1 (3): 114
- Rahbar M. H., M. Samms-Vaughan, J. Ma, J. Bressler, K A. Lovelandand, M. Ardjomand-Hessabi, A. S. Dickerson, M. L. Grove, S. Shakespeare-Pellington, C. Beecher, W. McLaughlin and E. Boerwinkle (2014) Role of metabolic genes in blood arsenic concentrations of Jamaican children with and without autism spectrum disorder. *Int. J. Environ. Res. Public Health* 11: 7874–7895.
- Golden, K. D. Williams O. J. and Dunkley, H. M. 2014.Ethylene in Postharvest Technology: A Review. *Asian Journal of Biological Sciences*. 7, 135–143.
- Golden, K. D and Williams, O. J. 2014. Ethylene oxide in Plant Biological Systems: A Review. *Asian Journal of Biological Science*s. 7, 144–150.

## ABSTRACTS IN PEER REVIEWED JOURNAL

- Ragoobirsingh, D (2013). Cholesterol and Cardiac Diseases. Proceedings of the Faculty of Medical Sciences 22nd Annual Research Conference and Workshop on Affairs of the Heart, November 6-8, 2013, University of the West Indies, Mona, Kingston, Jamaica, *West Indian Medical Journal*, vol. 62 (Suppl.6):21.
- Barrett, S. C., Huffman, F., Johnson, P., Campa, A., Magnus, M and Ragoobirsingh, D (2014). Physical Activity and Metabolic Risk Factors among Jamaican Adolescents. Proceedings of Experimental Biology 2014, April 26–30, 2014,San Diego Convention Center,California,USA, *The Federation of American Societies for Experimental Biology (FASEB) Journal* vol. 28 no. 1 Supplement LB443.
- Stephenson, S., and Brown, P. D (2013). Putative epigenetic influence of DNA adenine methylase on P fimbriae expression and attachment among fluoroquinolone-resistant uropathogenic *Escherichia coli* to human urinary cell lines. UWI Faculty of Medical Sciences 22nd Annual Research Conference, Kingston, Jamaica, November 6-8, 2013. *West Indian Medical Journal*. 62 (Suppl. 6): 35 (Abstract).
- Davis, R., Daley, S and Brown, P. D (2013). Biofilm formation, multiple antibiotic resistance and oxidative stress tolerance among pathogens of respiratory origin. UWI Faculty of Medical Sciences 22nd Annual Research Conference, Kingston, Jamaica, November 6-8, 2013. *West Indian Medical Journal*. 62 (Suppl. 6): 58 (Abstract).

## PAPERS ACCEPTED FOR PUBLICATION

- Barrett, S., Huffman, F., Johnson, P., Campa, A., Magnus, M and Ragoobirsingh, D (2014). Physical Activity and Metabolic Risk Factors among Jamaican Adolescents. *Austin Journal of Nutrition and Food Sciences*. In Press.
- Xuereb, G. C., Johnson, P., Ragoobirsingh, D and Morrison, E (2014). Impact of Programme to Improve Quality of Diabetes Care in the Caribbean. *Journal of Research in Diabetes*. In Press.

## INCOME GENERATION/FUNDING

### Research Grants

**Prof. Helen Asemota**

Postgraduate student, Ms. Sasha-Gay Wright received a grant from the Postgraduate Research Fund to present a poster at the 59th Annual CARPHA Health Research Conference in Aruba, May 1–3, 2014.

**Dr. Paul Brown**

Grant from Campus Research and Publication Fund, UWI, Mona; PI (Awarded to Terissa Thompson)

Project title: Virulence attenuation in *Staphylococcus aureus* (MRSA) using siRNAs

Value: US$2590

**Dr. Lisa Lindo Shadae Foster**

The Effects of Inositol, Inositol Hexakisphosphate (IP6) and its Combination on Type 2 Diabetes Mellitus Sprague-Dawley Rats. Amount: US$5000.00

**Tameika Bartley**

Investigating the Effects of Phaseolus vulgaris on Blood Glucose Concentration in Normoglycaemic and Streptozotocin-Induced Type 2 Diabetic rats

Amount: US $1,668.00

**The University of the West Indies Research Fellowship**

Development of Hypoglycaemic and Hypotensive Nutraceuticals and Diabetic Condiments from Compounds Isolated from *Eucalyptus camaldulensis.* Amount: JA$2.4M

## PUBLIC SERVICE

**Dr. Andrew Pearson**

– Chair, International Standards Organisation Technical Committee 93 (Starch and its Derivatives)

**Professor Wayne McLaughlin**

– Board Member, Coconut Industry Board

– Board Member, Seprod Limited

**Dr. C. R. Nwokocha**

– Member of the Organizing Committee of the FMSARC

**Professor Omkar Parshad**

– Director, Indian Cultural Society in Jamaica.

– Chairman, Sri Sathya Sai Baba Organization in Jamaica.

– Member, Lions Club of St. Andrew, Jamaica.

**Dr. Paul Brown**

– Member, 8-member Ambassador Task Force for the American Society for Microbiology.

– Chief Judge, American International School of Kingston (AISK) Middle School Science Fair.

– Review Editor, Frontiers in Antimicrobials, Resistance and Chemotherapy.

– Ambassador to Jamaica, American Society for Microbiology (ASM).

– Council member, International Society for Infectious Diseases.

– Editor, *Microbes and Health*.

– Independent Internal Examiner, Biology examination for course at UWI, St. Augustine.

**Dr. Kerith Golden**

– Vice President, Stock Farm Road Citizens Association, Golden Spring, St Andrew.

– Member of the Board (Vice President) for Jamaica Association for Children with Learning Disabilities.

**Dr. Rachael Irving**

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

**Professor Dalip Ragoobirsingh**

– Director UWI (Mona) Diabetes Education Programme

– Diabetes Association of Jamaica (DAJ) – Consultant Diabetes Educator

– The University Diabetes Outreach Programme (UDOP) – Director Research

– 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.

– Member, Special Technical Committee, Pan American Health Organization

– Member, Guideline Development Group, World Health Organization

**Dr. Lisa Lindo**

– Fulbright Alumni Association

– Chair: American Friends of Jamaica (AFJ) / Sue Cobb Lecture Series

– Member of Society for Scientific Advancement (SoSA)

**Dr. Lauriann Young-Martin**

- Member of the UWI Valedictorian Selection Committee
- Lector and Member of the Liturgical Committee of Holy Cross Roman Catholic Church
- Member of the Fund-raising Committee of Holy Cross Church
- Newly Appointed member to the Women in World Neuroscience (WWN)

## UWI SERVICE

**Dr. Lauriann Young-Martin**

- Chaired the scientific session on "Laboratory Studies" at the 22nd Annual Research Conference of the FMS, November 6–8, 2013
- Appointed Independent Examiner for the PhD degree in Neurosciences awarded in April 2014 to Mr. Ashton Rogers (St. Augustine Campus). Thesis entitled: Diet, Inflammation and the Rat Substantia Nigra (St. Augustine Campus)
- Appointed Remarker for MDSC2002 (MD20B)-Neuroscience & Behaviour for the Cave Hill Campus, Barbados in 2013
- Appointed Remarker for MDSC2104 – Digestive System for the Cave Hill Campus, Barbados in March 2014
- Appointed Team Secretary to the CAAM Review & Accreditation Team that reviewed the Medical Programme at the American University of Antigua and its clinical sites in Florida, New York and Atlanta, February – April, 2014.
- Chaired the first Stress Management Workshop hosted in the Department of Basic Medical Sciences in April 2014.

## UNDERGRADUATE STUDENTS REGISTRATION

### BB Med Sciences

Year 1 = 71

Year 2 = 66

Year 3 = 40

### MB BS and Dentistry

Year 1 = 390

Year 2 = 308

Year 3 = 253

### Physical Therapy

Year 1 = 70

Year 2 = 60

Year 3 = 63

### FST (Biochemistry)

Year 1 = 171

Year 2 = 108

Year 3 = 43

## FIRST CLASS HONOURS – BB MED SCI.

### Pharmacology – 9

Shanett Dawson

Deborah Dietrich

Kristopher Knight

Darien-Andrew Marsh

Kimberley McKenzie

Shanoy Powell

Davion Reynolds

Camila Smiley

Abigail Thompson

## POST GRADUATE STUDENTS REGISTRATION

### Taught Masters

MSc Forensic Science – 23

MSc Applied Pharmacology – 7

### Research

MPhil – 32

PhD – 8

## POSTGRADUATE DEGREES AWARDED

- Mrs. Denise Daley-Beckford, PhD
- Ms. Kesi Brown, PhD
- Ms. Alexia Harvey, PhD with High Commendation
- Mrs. Audrey Jacob, PhD
- Ms. Marshalyn McKoy, PhD
- Dr. Jacqueline Campbell, PhD
- Ms. Anishka Lewis, MPhil
- Mr. Lancedale Brown, MPhil (Pending)

## POSTGRADUATE STUDENTS AWARD

**Shadae Foster**

The University of the West Indies and the Office of Graduate Studies and Research in collaboration with the Research & Publications Fund and Graduate Awards Committee. The Scholars' Breakfast Award for Academic and Research Excellence, March 13, 2014

**Alexia Harvey**

The University of the West Indies and the Office of Graduate Studies and Research in collaboration with the Research & Publications Fund and Graduate Awards Committee. The Scholars' Breakfast Award for High Commendation, March 13, 2014.

**Sasha-Gay Wright**

Miss Wright spent a semester at the School of Pharmacy at the Roosevelt University, Chicago to conduct her research studies on anti-cancer principles isolated from some Jamaican crops, at the laboratory of Professor Adeyeye, collaborator to her chief supervisor, Prof. Asemota.

**Racquel Wright**

Miss Racquel Wright, a PhD student at the Biotechnology Centre has been selected as the recipient of the NIH Fogarty Global Health Fellowship for 2014/15 based on her research surrounding anti-oxidants in moringa and their potential use in the alleviation of oxidative stress in the sickle cell anemia. Miss Wright is supervised by Professor Asemota, in collaboration with Dr. Andrew Wheatley, Professor Marvin Reid (Sickle Cell Unit, TMRI), and Dr. Jacqui Hibbert of Morehouse School of Medicine, Atlanta, USA. She will also be studying in the overseas laboratories (Duke University, University of North Carolina, Chapel Hill, Morehouse School of Medicine) of the collaborators to her supervisors.

## VISITORS TO THE DEPARTMENT

- Dr. Hugh McLean, Associate Dean – Research and Graduate Education, Nova Southeastern University, College of Pharmacy – November 5–7, 2013.
- Dr. Sophie Turfus, Victorian Institute of Forensic Medicine, Melbourne, Australia
- Professor Moji Adeyeye, Head, School of Pharmacy, Roosevelt University School of Pharmacy, Schaumburg, Illinois, USA.
- Professor Joseph Bryant, Head of the Biotechnology facilities, Institute of Virology, University of Maryland College of Medicine, Baltimore, USA.
- Dr. Linda Csiza, Texas Woman's University, Texas USA Dr. Patricia-Smith- Garry, University of East London, UK.

# DEPARTMENT OF CHILD AND ADOLESCENT HEALTH

**Professor Minerva Thame**, MBBS, DCH, DM (Paeds), PhD
**Head of Department**

## WORK OF THE DEPARTMENT

The main focus of the Department of Child and Adolescent Health is to improve the health and welfare of families through clinical service, research, intellectual leadership, advisory, community services and training of undergraduate students and postgraduate doctors.

Our clinical services are delivered through two medical wards, an outpatient department, a welfare clinic, a paediatric casualty and a newborn special care unit which incorporates a 6-beded neonatal intensive care unit. The main subspecialties offered are adolescent medicine, allergy immunology, cardiology, development and behavioural paediatrics, endocrinology, infectious diseases, neonatology, nephrology, neurology and pulmonology. There is also collaboration with other surgical and medical subspecialties.

The Department has been involved in collaborative research with other faculties of the University of the West Indies and several overseas institutions such as Vanderbilt University Global Health Program, University of Texas and the Children's Nutrition Research Centre (CNRC), Baylor College of Medicine, Texas. Several members of the Department demonstrated intellectual leadership through their involvement with several advisory boards and active participation in community service.

Curriculum development, teaching and learning methods for both undergraduate and postgraduate programmes in the Department of Child and Adolescent Health are continuously being revised. The Department currently offers two undergraduate courses as part of the MBBS programme and a postgraduate programme in Paediatrics (Doctor of Medicine in Paediatrics). Additionally, staff of the Department 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 Clinical Psychology, Education, Nutrition, Epidemiology and Public Health.

There were 314 junior students and 240 senior students who completed the Child and Adolescent Health rotations over the last year. Students' assessments of our clerkships have been consistently good with individual lecturer scores ranging from 4.2 to 4.6 with an average of 4.4 and the Clerkship Assessment ranging from 3.8 to 4.1. The final assessment of the Child and Adolescent Health programme is done together with the Department of Medicine and in the May/June and the November/December examinations. There were 67 elective students who rotated through the Department with 10 being from outside the Caribbean from Germany, Australia and the United Kingdom.

There was a total of 47 postgraduate students registered in the DM Paediatric programme of which 35 candidates were in Jamaica and 12 candidates were in the Bahamas. Nine candidates sat DM Part 2 final examination and 8 (88.9%) were successful while eleven (11) candidates sat the DM Part 1 examinations and 8 (72.7%) were successful. Thirteen candidates commenced the program 1st July 2013 of which 4 are in the Bahamas.

This year was the thirteenth year of the Perinatal Audit and Symposium. This annual conference is held in February of each year and was coordinated by Dr. Blondel Crosdale. 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 outside units.

## RESEARCH GRANTS

**Bailey K**

- Source: **New Initiative Grant, Mona Office of Research and Innovation**, Office of Principal

  Title: A Longitudinal study of Respiratory Morbidity in a Jamaican Birth Cohort.

  Grant Period: 2014

  Total Amount: J$1,500,000

**Christie C**

- Source: **Minister of Health** (October 4, 2012) and **National Health Fund** (November 15, 2012) for immediate funding, for three years

  Title: Elimination of Vertical (Mother-to-child) Transmission of HIV/AIDS and Congenital Syphilis in Jamaica,

  Grant Period: 2012 to 2015

  Total Amount: J$ 55,448,800

- Source: **ViiV Health Care in collaboration with Mater Misericordiae University Hospital**

  Title: The International Adolescent HIV Transition Research Project

  Grant Period: July 2014 through June, 2015.

  Total Amount: 15,000 Euros ($2,266,800 Jam)

**Harrison A**

- Source: **UNICEF**

  Title: Chronic illness in Jamaican Adolescents – A review of asthma, diabetes mellitus, HIV and sickle cell disease

  Grant Period: 2014–2015

  Total Amount: USD 34950.00

**Pottinger AM**

- Source: **New Initiative Grant, Mona Office of Research and Innovation**, Office of Principal

  Title: Marijuana use and sperm quality in males being investigated for infertility

  Grant Period: 2014

  Total Amount: J$1,500,000

**Samms-Vaughan M. – Principal Investigator**

**P.I.: M. M. Samms-Vaughan (PI Jamaican site) & Hossein Rahbar**

- Source: **NIH** (RO1 Grant)

  Title: Epidemiology of Autism in Jamaica (Collaboration with the University of Texas)

  Grant Period:12/09/2013-30/04/2018

  Total cost: US $737,953.00 (Jamaican site)

**P.I.: M. Samms-Vaughan**

- Source: **CHASE Fund, Jamaica**

  Title:Identification of the prevalence of developmental disability at 18 months, using the Jamaican Birth Cohort Study

  Grant Period:01/07/2013-30/01/2014

  Total cost: $J4,926,000.00 (US $49,260.00)

**P.I.: M. Samms-Vaughan**

- Source: **UNICEF**

  Title: Provision of funding support for part payment of fees for students in the public sector in the Child Development Therapy programme (The CDT programme trains professionals to work with children with special needs at the EC level)

  Grant Period: 01/08/2012–30/06/2014 Total cost: J$ 5,000,000.00 (US$50,000.00)

**P.I.: M. Samms-Vaughan**

- Source: **UNICEF**

  Title: An Evaluation of the Current Status of Maternal, Paternal, Newborn and Infant Health and Well-Being and the Impact of these on National Child Health and Development in the Early Years. (Data to be obtained from The Jamaican Birth Cohort Study, also funded by the NHF)

  Grant Period: 28/08/2011–30/06/2014

  Total cost: US $ 100,523.25

**P.I.: M. Samms-Vaughan**

- Source: **National Health Fund, Jamaica**

  Title: An Evaluation of the Current Status of Maternal, Paternal, Newborn and Infant Health and Well-Being and the Impact of these on National Child Health and Development in the Early Years. (Data to be obtained from The Jamaican Birth Cohort Study, also funded by UNICEF)

  Grant Period: 9/9/2011–31/05/2014

  Total cost: US$147,395.34

**P.I.: M. Samms-Vaughan**

- Source: **Michigan State University Consortium**

Title: The provision of support for informatics and biological sample collection for the Jamaican Birth Cohort Study

Grant Period: 3/1/2011–31/06/2014

Total cost: US$150,000

**P.I.: M. Samms-Vaughan**

- Source: **International Bank for Reconstruction and Development (IDB)**

  Title: The Jamaican Birth Cohort Study

  Grant Period: 1/09/10–31/03/14

  Total cost: US 624,000.00

**M. Thame – Principal Investigator, H. Trotman-Co-Investigator**

- Source: **International Atomic Energy Agency (IAEA)**, Vienna

  Title: Infant feeding practices and resultant growth patterns in Jamaican children assessed by anthropometry and body composition

  Grant Period: October, 2011 to October, 2015

  Total cost: €30,000.00

## INTERNATIONAL CONSULTANCIES

**C. Christie**

- Inaugural International AIDS Society and Industry High-level Leadership Consultations, Conference on Retroviruses and Opportunistic Infections (CROI), Chairperson – Boston, Mar 3 International AIDS Society Bi-Annual Conference, Chairperson – Melbourne Australia, 2014

**M. Samms-Vaughan**

- International Association for Educational Achievement, Hamburg, Germany Consultant, Development of an Assessment Framework for Physical Competency in Early Childhood, 2014

- Government of the Bahamas, Consultant on the Implementation of a regulatory system for early childhood centres, 2014
- UNICEF, Eastern Caribbean Office. Consultant on Evaluation of ECHO Early Childhood Intervention Programme, St. Vincent, 2014

### PAPERS/POSTERS PRESENTED AT SCIENTIFIC MEETINGS

**Christie C**

- "Elimination of Mother To Child Transmission in Jamaica – Successes and Challenges. PAHO/WHO Conference, George Town, Guyana, July, 2014.
- **Christie CD.** Adolescent HIV/AIDS in Jamaica: Successes and Challenges. PAHO/WHO Conference, George Town, Guyana, July, 2014.

**Harrison A**

- Gardner A, **Harrison A,** James C. Impact of Attachment on Adolescent Disordered Eating Attitudes. The 2nd Biennial Dying to be Beautiful Conference. UWI, Mona. June 2014.
- Bhatt K, Asnani M, **Harrison A**, Reid M & James Body Image and Depressive Symptoms in Jamaican Adolescents with Sickle Cell Disease.. The 2nd Biennial Dying to be Beautiful Conference. UWI, Mona. June 2014.
- James C, **Harrison A**. The Impact of the Father-Daughter Relationship on Eating Recovery. International Association of Eating Disorder Professionals (IAEDP) Symposium. St. Petersburg, Florida. February 2014.
- **Harrison A**. Victims of child and adolescent sexual abuse. Ena Thomas Memorial Symposium. Jamaica. November 2013.
- **Harrison A**, James C. Eating Disorders: The Caribbean Perspective. The 2nd Biennial Dying to be Beautiful Conference. UWI, Mona. June 2014.

**Pierre RB**

- **Pierre RB**, "Adolescents living with HIV". Presented at the NHP Treatment Care and Support Workshop, January 29–31, 2014, Kingston, Jamaica.
- **Pierre RB,** "Controversies in Immunizations". Presented at the Regional Paediatric Conference, A Paediatric Update: the Bridge from Infancy to Adulthood; February 2, 2014, Port-of-Spain, Trinidad.
- **Pierre RB**, "Triumphs and challenges with perinatal HIV-infected adolescents – lessons from the field". Presented at the NCD (Non-communicable disease) Child Conference, March 20–21, 2014, Port-of-Spain, Trinidad.
- Regina C M Succi, Margot R Krauss, D. Robert Harris, Daisy M Machado, Maria Isabel de Moraes-Pinto, Marisa M. Mussi-Pinhata, Noris Pavia Ruz, **Russell B Pierre**, Lenka Kolevic, Esau Joao, Irene Foradori, Rohan Hazra, George K Siberry, for the NISDI Pediatric Study Group 2012. "Immunity to childhood vaccinations among HIV infected and HIV exposed children in Latin America". Poster presentation: at the 6th International Workshop on HIV Pediatrics, July 18–19, 2014, Melbourne, Australia.
- C. Crooks-Edwards, **R.B. Pierre**, J.T. Moore, C.D. Christie. "School performance of children and adolescents with HIV/AIDS in ambulatory care at the University Hospital of the West Indies, Jamaica". Poster presentation: at the 20th International AIDS Conference, 20–25 July 2014, Melbourne, Australia [Abstract MOPE089].
- Peter Bell, Joseph Branday, Emanuel Cummings, Marios Loukas, **Russell Pierre**. "Medical School Accreditation: Lessons learnt from participating in the CAAM-HP process". Panel discussion: at the CAAM-HP'S 10TH Anniversary Conference; Coming of Age: Lessons from the Past, Strategies for the Future, July 28–30, 2014, Hilton Rose Hall Resort and Spa, Montego Bay, Jamaica.

**Pottinger AM**

- Pottinger AM, Everett-Keane D, McKenzie C. "Evolution of In Vitro Fertilization at the University of the West Indies, Jamaica". UWI Research Day 2014, The University of the West Indies, Mona. February 19-21, 2014

## PUBLICATIONS

### Books and Book Chapters

**Thame M**

- IAEA Human Health Series 22 – Body Composition Assessment from Birth to Two Years of Age – A Contributor. 2013

### Book Chapter

- Arginine production during pregnancy in *Arginine in Clinical Nutrition* from Springer (2014)

### Peer Review Journals

- **Christie CDC, Pierre RB**. Eliminating Vertically-transmitted HIV/AIDS while Improving Access to Treatment and Care for Women, Children and Adolescents in Jamaica. *The Barracks.*
- **Christie CDC,** Duncan N. The rotavirus vaccine trial in Jamaica. *The Barracks.*
- Evans-Gilbert T, Lindo JF, Henry S, Brown P, **Christie CDC**. Severe Eosinophilic Meningitis Due to Angiostrongylus Cantonensis in Children. *Paediatrics and International Child Health*, November 2013
- Heidari S, Kort R, Ananworanich J, **Christie CDC**, Chamla D, Cotton MF, Dabis F, Essajee S, Gibb D, Leroy V, Muhe LM, Palumbo P, Tiam A, Sohn AH, Bekker L-G. Mind the Gap: The Case for Strategic Investments in Paediatric HIV Research. In press, *Journal of AIDS*, 2014.

- Walker SY, **Pierre RB, Christie CD**, Chang SM. "Neurocognitive function in HIV-positive children in a developing country". *Int J Infect Dis.* 2013. pii: S1201-9712(13)00105-7. doi: 10.1016/j.ijid.2013.02.014. [Epub ahead of print]
- Succi RC, Krauss MR, Harris DR, Machado DM, de Moraes-Pinto MI, Mussi-Pinhata MM, Ruz NP, **Pierre RB**, Kolevic L, Joao E, Foradori I, Hazra R, Siberry GK; for the NISDI Pediatric Study Group 2012. Undervaccination of Perinatally HIV-infected and HIV-exposed Uninfected Children in Latin America and the Caribbean. *Pediatr Infect Dis J.* 2013 Aug;32(8):845-850. POST ACCEPTANCE, 11 February 2013 doi: 10.1097/INF.0b013e31828bbe68. [Epub ahead of print]
- **Pottinger AM** and Palmer T. "Whither IVF-assisted birth or spontaneous conception? Parental anxiety, styles and child development in Jamaican families." *Journal of Reproductive and Infant Psychology* (2013), 31 (2), 148–159.
- Thompson DS, Feguson TS, Wilks RJ, Phillips DI, Osmond C, **Samms-Vaughan M**, Forrester T & Boyne MS. Early life factors are associated with nocturnal cortisol and glucose effectiveness in Afro-Caribbean young adults. *Clinical Endocrinology* 2014.
- **Samms-Vaughan M** & Tortello R. Jamaica's National Parenting support Policy: origins and early implementation. E*arly Childhood Matters*, Bernard van Leer Foundation 2014; 122: 62–67.
- **Samms-Vaughan ME.** The status of early identification and intervention in autism spectrum disorders in lower- and middle-income countries. *International Journal of Speech and Language Pathology;* 2014; 1-6.
- Rahbar, M. H., **Samms-Vaughan, M.**, Dickerson, A. S., Loveland, K. A., Ardjomand-Hessabi, M., Bressler, J., Lee, M., Shakespeare-Pellington, S., Grove, M. L., Pearson, D. A., Boerwinkle, E. Role of fruits, grains, and seafood consumption in blood cadmium concentrations of Jamaican children with and without Autism Spectrum Disorder. *Research in Autism Spectrum Disorders*, 2014, 8: 1134-1145, PMC4114722
- Rahbar, M. H., **Samms-Vaughan,** M., Ma, J., Bressler, J., Loveland,

K. A., Ardjomand-Hessabi, M., Dickerson, A. S., Grove, M. L., Shakespeare-Pellington, S., Beecher, C., McLaughlin, W., Boerwinkle, E. Role of metabolic genes in blood concentrations of arsenic in Jamaican children with and without autism spectrum disorders. *International Journal of Environmental Research and Public Health*, 2014, 11(8): 7874-7895 PMC4143838

- Rahbar, M. H., **Samms-Vaughan, M**., Dickerson, A. S., Loveland, K. A., Ardjomand-Hessabi, M., Bressler, J., Shakespeare-Pellington, S., Grove, M. L., Pearson, D. A., Boerwinkle, E. Blood manganese concentrations in Jamaican children with and without autism spectrum disorders [Epub ahead of print]. *Environ. Health,* 2014, 13: 69
- Boyne MS, Thompson DS, Osmond C, Fraser RA, **Thame MM**, Taylor-Bryan C, Soares-Wynter S, Forrester TE. The effect of antenatal factors and postnatal growth on serum adiponectin levels in children. *J Dev Orig Health Dis.* 2013 Aug; 4(4):317–23.
- Boyne MS, **Thame M**, Osmond C, Fraser RA, Gabay L, Taylor-Bryan C, Forrester TE. The effect of earlier puberty on cardiometabolic risk factors in Afro-Caribbean children. *J Pediatr Endocrinol Metab.* 2014 May 1; 27 (5-6):453-60.
- **Thame MM**, Osmond C, Serjeant GR. Fetal growth in women with homozygous sickle cell disease: an observational study. *Eur J Obstet Gynecol Reprod Biol.* 2013 Sep;170(1):62–6.
- Richardson C, **Trotman H**. Risk Factors for the Delivery of Macrosomic Infants at the University Hospital of the West Indies. *Am J Perinatol.* 2014 May 2. [Epub ahead of print]
- Gooden M1, Younger N2, **Trotman H.** What is the best predictor of mortality in a very low birth weight infant population with a high mortality rate in a medical setting with limited resources? *Am J Perinatol*. 2014 Jun;31(6):441-6.

## ABSTRACTS

- Crooks-Edwards C, **Pierre RB,** Moore JT, Christie CDC. School Performance of Children and Adolescents with HIV/AIDS in Ambulatory care at the University Hospital of the West Indies, Jamaica. Abstract and Electronic Poster, A-641-0167-09149, 9149, XX International AIDS Conference, Melbourne, Australia, July 2014.
- Ferguson TS, Younger-Coleman NO, Tulloch-Reid MK, Knight-Madden JM, **Samms-Vaughan M**, Ashley D, McCaw-Binns A, Cruickshank JK, Molaodi O, Harding S, Wilks RJ. Early Life Social and Biological Determinants of Blood Pressure at 18-20 years old: the 1986 Jamaica Birth Cohort Study. *West Indian Med J*; 2014 63(Suppl. 2): 19-–20
- McLeod, S., Washington, K., Devonish, H., & **Samms-Vaughan, M.** (2014, June, accepted). Code switching in the speech of young Jamaican children. Oral presentation as part of the 90-minute Panel Presentation on Children's speech assessment. Cross-cultural considerations. Proceedings of the 15thBiennial Conference of the International Clinical Phonetics and Linguistics Association. Stockholm, Sweden: Europe. June 2014.
- Rahbar, M. H., **Samms-Vaughan,** M., Ardjomand-Hessabi, M., Loveland, K. A., Dickerson, A. S., Bressler, J., Shakespeare-Pellington, S., Grove, M. L., and Boerwinkle, E. Metabolic Genes and Blood Lead Concentrations in Jamaican Children with and without Autism Spectrum Disorders. 2014. Atlanta, Georgia, USA. The International Meeting for Autism Research (IMFAR), 13th Annual Meeting May 14–17, 2014.
- Rahbar, M. H., **Samms-Vaughan,** M., Ma, J., Bressler, J., Loveland, K. A., Ardjomand-Hessabi, M., Dickerson, A. S., Grove, M. L., Shakespeare-Pellington, S., Beecher, C., McLaughlin, W., and Boerwinkle, E. Role of metabolic genes in blood concentrations of arsenic in Jamaican children with and without autism spectrum disorders. 2014. Seattle, WA. Society for Epidemiologic Research (SER) 47th annual Meeting, June 24–27, 2014.

## PUBLIC SERVICE

**Christie CD.**

- Member, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society
- Member, Research Grant Working Group, Collaborative Initiative for Paediatric Education and Research (CIPHER), Governing Council, International AIDS Society
- Chair, "Rethinking the Pharmaceutical Industry Liaison Forum (ILF)" of the International AIDS Society (IAS)
- Fellow, Infectious Diseases Society of America,
- Member, Pediatric Infectious Diseases Society of America
- Founding Member, HIV Medicine Association of America
- Member, International Association of Physicians in HIV/AIDS Care
- Member, International Society for Infectious Diseases
- Vice Chancellor's Representative, UWI, to the Executive, Center for HIV/AIDS Research and Training (CHART)
- Director, Jamaica's National Program for the Elimination of Congenital HIV/AIDS and Syphilis and JaPPAAIDS, at the invitation of Jamaica's Minister of Health, Dr Fenton Ferguson
- 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,
- Chair, Clinical Trials Advisory Committee, Faculty of Clinical Sciences, UWI Mona
- UWI representative, Centre for HIV/AIDS Research and Training (CHART)
- Member, *West Indian Medical Journal*, Editorial Board
- Chair, Principal's Research Awards Committee, Faculty of Medicine, UWI

– Chair, Clinical Trials Oversight Committee, UWI - Mona

**Harrison A**

– Committee Membership Executive council – International Association for Adolescent Health, Vice-President Caribbean region

– Member, Adolescent Policy Working group – Ministry of Health, Jamaica

– Joint Committee for care of Juvenile Delinquents – Ministry of Health and Ministry of National Security, Jamaica

– Chairman, Board of Visitors, Metcalfe Street Secure Juvenile Centre

**Melbourne-Chambers R.**

– Organised and coordinated paediatric medical services for the St. Luke's Church Annual Health Fair.

– Chairman, Serious Case Review Panel, Child Development Agency

– Member, Committee to Review Applications for Residential Child Care Facilities Child Development Agency, MOH

**Pierre R.**

– Chairman / Chief Examiner of the Caribbean Association of Medical Councils (CAMC) Examination Committee

– Member, National HIV Quantification Technical Sub Committee., Ministry of Health, Jamaica; June 2013–present

– Team Secretary, Member of Accreditation Team selected by Caribbean Accreditation Authority for Education in Medicine and Other Health Professions (CAAM-HP) for site visit to Ross University School of Medicine and Clinical Affiliates, January 18–25, 2014

**Pottinger AM.**

– Member, Steering Committee, Psychology and Counselling Standards, University Council of Jamaica

– Member, Steering Committee, National Committee on Values and Attitudes, Office of the Prime Minister, Jamaica

– Consultant, Think Tank, Council for World Mission Caribbean, Child Sexual Abuse Awareness Project

**Samms Vaughan M.**

– Chairman, Early Childhood Commission of Jamaica
– Deputy Chairman, Maxfield Park Childrens Home
– Director, Family Life Ministries
– Director, Usain Bolt Foundation
– Director, Vaz Preparatory School
– Director, Promise Learning Centre
– Patron, Jamaica Autism Support Association

**Trotman H**

– Chairman Education committee, Paediatric Association of Jamaica
– Assistant Editor, *West Indian Medical Journal*
– Paediatrician, Church of St. Margaret's Mother's Union Annual Health Fair

**Thame M.**

– Member, UHWI Representative Medical Review Panel, MOH
– Member, Research Advisory Committee for Caribbean Public Health Agency (CARPHA)

# DEPARTMENT OF COMMUNITY HEALTH & PSYCHIATRY

**Professor Affette McCaw-Binns**, BA, MPH, PhD
**Head of Department**

## WORK OF THE DEPARTMENT

The Department of Community Health and Psychiatry provided undergraduate and post graduate instruction in public health, family medicine and psychiatry. Clinical services include ambulatory primary health care delivered at the Hermitage August Town Community Health Centre, and adult, child and adolescent in-patient and out-patient psychiatric services, forensic services, and day treatment drug rehabilitation services. Faculty published 31 peer-reviewed papers, 6 book chapters and 15 abstracts.

## UNDERGRADUATE PROGRAMME

Pre-clinical undergraduate courses are delivered to medical and dental students and clinical training to medical students in community health

(years 3, 4, 5) and psychiatry (years 3, 4). The psychiatry teaching area has been improved to enable video linkages between sites. The two-week fourth year rural exposure in public health is delivered from eight parishes.[1] Three urban primary care sites were upgraded to accommodate the increasing number of final year medical students for their three week clinical exposure to ambulatory primary care patients.[2]

**Master of Public Health, MPhil /PhD (Public Health) and Doctorate in Public Health (DrPH)**

Intake for the Master of Public Health (2013–14) improved marginally from 17 to 19 new students, including six who joined the new specialty track in Health Systems Management. The DrPH enrolled five new students in 2013, for a total of 28 registered students from 10 countries. One candidate successfully defended her thesis this year. Eight students were enrolled in the MPhil/PhD.

**Doctor of Medicine (DM) in Family Medicine and Psychiatry**

The Family Medicine programme at Mona includes a two-year Diploma in Family Medicine, with the option to complete a four-year Doctor of Medicine (DM). Since 2010, it has been administratively linked to the Bahamas School of Clinical Medicine. Of 12 Diploma candidates examined from Mona and the Bahamas, eight graduated, one with distinction. Seven DM candidates were examined, six of whom were successful. Of 14 candidates enrolled in the four year DM psychiatry, one graduated.

**Other programmes**

The joint University of Alabama at Birmingham (UAB) – University of the West Indies summer course Infectious Disease Control and Surveillance

1.Hanover, Manchester, St Catherine, St Elizabeth, St Mary, St James, Trelawny and Westmoreland

2. Chin Loy, Comprehensive, Duhaney Park, Edna Manley, Glen Vincent, Gordon Town, Hagley Park, Harbour View, Maxfield Park, Oak Glades, Norman Gardens, Olympic Gardens, Stony Hill and Windward Road Health Centres

(40 hours) continued from July 20–30, 2014 with 15 students (10 from UAB, 3 from UWI MPH class and 2 PHIs from St. Ann and Trelawny).

The Caribbean Training and Technical Assistance (CARTTA)/ DrPH project (Global Fund/PANCAP) was implemented by the DrPH team. This included conducting needs assessments and training workshops in Antigua, Barbados, St Kitts and Nevis and Jamaica. The team ran a HIV prevention workshop for 22 participants from 10 Caribbean countries from 4–9 July 2014. The grant also provided DrPH students with tuition and field placement support.

The OAS supported the psychiatry team to deliver a Caribbean-wide project to provide Training in Substance Abuse Prevention, Treatment and Rehabilitation. The first cohort of 60 graduates completed exams in May 2014.

## CLINICAL SERVICES

The Hermitage August Town Health Centre provides clinical services to 12 communities[3] in collaboration with the Kingston and St Andrew Health Department. From July 2013 to June 2014 staff saw 7,209 persons for curative services included screening, health promotion, general medical care, hypertension-diabetes care, dressings and other acute care and 5,595 for preventive services which included family planning, cervical cancer screening, antenatal, postnatal and well-baby care. Psychiatry provided adult in-patient and out-patient psychiatric services including specialized services for children and adolescents, forensic services, and in-patient and out-patient care for persons with drug dependency.

## INTERNATIONAL SERVICE

Faculty served on global expert panels and advisory committees during

3. August Town, Bedward Gardens, Beverly Hills, Constitution Hill, Elletson Flats, Hermitage, Highlight View, Hope Pastures, Hope Tavern, Kintyre, Landlease, Long Mountain, Mona Commons, Mona Heights, Papine, Stand Pipe Lane: Liguanea

the academic year and as peer reviewers for a range of international academic journals, including the *West Indian Medical Journal* (WIMJ). Many also serve on the editorial board of the WIMJ.

**Prof Wendel Abel**

- Expert Panel – Strategic and Regional Action Plan for Mental Health (PAHO)
- Advisory Committee –The Training and Certification Program for Drug and Violence Prevention, Treatment, and Rehabilitation (PROCCER; OAS)
- Peer Reviewer (*Ethnicity and Inequalities in Health and Social Care*; *West Indian Medical Journal*)

**Dr Colette Cunningham-Myrie**

- Peer Reviewer (*BMC Public Health*; *International Journal of Diabetes in Developing Countries*; *West Indian Medical Journal*)

**Dr Winston De La Haye**

- Member – Section on Psychiatry in Developing Countries, World Psychiatric Association
- Member – Section on Art and Psychiatry, World Psychiatric Association
- Advisory Committee Member – The Training and Certification Program for Drug and Violence Prevention, Treatment, and Rehabilitation (PROCCER; OAS)
- Master Trainer – Treatment. The Training and Certification Program for Drug and Violence Prevention, Treatment, and Rehabilitation (PROCCER; OAS)
- Editorial Advisory Board Member, *West Indian Medical Journal*

**Prof John Peter Figueroa**

- Member, WHO Strategic Advisory Group of Experts (SAGE) on vaccine preventable diseases, Geneva, Switzerland.
- Chair, WHO SAGE working group on Measles/ Rubella

- Chair, WHO SAGE working group on Poliomyelitis
- Member, WHO International Health Regulations Roster of Experts (Poliomyelitis)
- Chair, PAHO Technical Advisory Group (TAG) on vaccine preventable diseases
- Chair, PAHO TAG working group on poliomyelitis
- Chair, Caribbean Expanded Program of Immunization (EPI) managers' annual meeting.
- Member, UNAIDS Scientific Expert Panel
- Deputy Chair, Pan Caribbean Partnership against AIDS (PANCAP) Executive Board and Regional Coordinating Mechanism.
- Chair, PANCAP Priority Areas Coordinating Committee (PACC)
- Member, Technical Advisory Committee, CDC STI Prevention Conference, Atlanta, USA, 9–12 June 2014.
- Peer Reviewer (*PLOS One*; Vaccine; *West Indian Medical Journal*)
- Editorial Advisory Board, *West Indian Medical Journal*

**Dr Roger Gibson**

- Member – Section on Conflict Management & Resolution, World Psychiatric Association
- Editorial Board Member – Clinical Medicine: Case Reports (published by Libertas Academica)
- Peer Reviewer (*BMC International Health & Human Rights; BMC Psychiatry; Journal of Pediatric Hematology and Oncology*; *PLOS One; Psychology, Health & Medicine*; *West Indian Medical Journal*)

**Ms Joy Harrison**

- Member – Inter-American Drug Abuse Control Commission (CICAD) and Centre for Addiction and Mental Health (CAMH)

**Dr Desmalee Holder-Nevins**

– Editorial Board – North American Regional Organization of International Union of Health Promotion and education (IUHPE).

– Member – International Union of Health Promotion and Education (IUHPE)

**Dr Maria Jackson**

– Editorial Board Member – *Ethnicity and Health*

– Corresponding member – Global Burden of Disease (GBD) Project (WHO, Gates Foundation and World Bank): Nutrition Expert Group (2010–2013)

– Member of the African-Caribbean Cancer Consortium (AC3) Research Review Committee

– Peer Reviewer (*BMC Public Health; Cancer Causes and Control; Clinical and Experimental Metastasis; Genes and Nutrition; Nutrition and Cancer; British Journal of Nutrition; Nutrition Journal; Public Health Nutrition; The Prostate*)

– Member – American Association for Cancer Research

– Member – Minorities in Cancer Research

– Member – American Society of Nutrition

– Member – Caribbean Association of Nutritionists and Dietitians

**Dr Samantha Longman-Mills**

– Peer reviewer (*International Journal of Child and Adolescent Resilience*)

– Research Committee – CICAD-CAMH International Research Capacity Building Program Alumni Association.

**Prof Affette McCaw-Binns**

– Member – World Health Organization, Maternal Morbidity Working Group

– Peer Reviewer (*Annals of Medical and Health Sciences Research; BMC Pregnancy and Childbirth; BMC Health Services Research; Health*

*Policy and Planning; International Journal of Gynecology and Obstetrics; Journal of Epidemiology and Community Health*)

**Dr Kathryn Mitchell-Fearon**

– Member, International Consortium on Healthcare Management (consisting of Pan American Health Organization (PAHO), International Hospital Federation (IHF), & the American College of Health Care Executives (ACHE) (2012–present)

– Member, Human Resources for Health (HRH) Technical Working Group –including the Caribbean Health Leadership Initiative (CHLI), Pan American Health Organization (PAHO), and the University of the West Indies (2012–present)

**Dr Kai Morgan**

– Peer Reviewer (*Caribbean Journal of Psychology; International Humanities Review; Journal of Black Psychology*)

**Dr Clayton Sewell**

– Peer Reviewer (*American Academy of Psychiatry and the Law*, *West Indian Medical Journal*)

## PUBLIC SERVICE

Faculty sit on a range of technical and advisory groups for government agencies, non-governmental organizations and hold leadership positions in professional organizations.

**Prof Wendel Abel**

– Chair, National Council and Drug Abuse

**Mrs Althea Bailey**

– Member, Ministry of Health/ National HIV Programme Technical Working Group.

– Board member, Jamaica AIDS Support for Life

- Board member & chair – The Jamaica Red Cross Adolescents at Risk Advisory Committee
- Member – The Ministry of Health Violence Prevention Alliance
- Committee Member –Youth Opportunities Unlimited
- Committee member – Integrated Youth services

**Ms Lovette Byfield**

- Training Coordinator, Caribbean Training and Technical Assistance (CARTTA)/ DrPH project

**Dr Colette Cunningham-Myrie**

- Member Organizing Committee Fulbright Academy Summit on Global Health, May 24–26, 2013, Montego Bay, Jamaica.
- Honorary Secretary, Medical Association of Jamaica
- Essential National Health Research Committee, Ministry of Health, Jamaica

**Dr Winston De La Haye**

- Chairman – Bellevue Hospital Board of Management
- Deputy Chairman – National Council and Drug Abuse
- Chairman – National Homeless Committee of the Board of Supervision, Ministry of Local Government/Community Development
- Member – University Hospital Board of Management
- Chairman – Finance Committee, Medical Association of Jamaica

**Prof Denise Eldemire-Shearer**

- Patron – National Council for Senior Citizens
- Chairman – Board of Supervision, Ministry of Local Government/Community Development
- Chairman – Caribbean Community of Retired Persons
- Member – Central Health Committee: Ministry of Health
- Member – Medical Association of Jamaica

**Prof J Peter Figueroa**

- Director, Epidemiology Research and Training Unit
- Director, Caribbean Training and Technical Assistance (CARTTA)/ DrPH project

**Dr Roger Gibson**

- Member – Medical Association of Jamaica
- Member –Jamaica Psychiatric Association

**Dr Michelle Harris**

- Leadership trainer –Caribbean Health Leadership Initiative

**Ms Joy Harrison**

- Member – Jamaica Association of Social Workers (JASW).

**Dr Desmalee Holder-Nevins**

- Executive Board Member – North Jamaica Conference of Seventh day Adventists
- Member – Jamaica Association for Health Education and Promotion (JAHEP)

**Dr Maria Jackson**

- Board member – St. Richard Early Childhood Education Institution

**Dr Hazel Laws**

- Member – Medical Association of Jamaica
- Member – Caribbean College of Family Physicians (Jamaica Chapter)

**Dr Samantha Longman-Mills**

- Executive Committee member and Director of Advocacy – Jamaican Psychological Society
- Member – Caribbean Sexuality Research Group
- Member – Metcalfe Street Secure Juvenile Correctional Centre Board of Visitors.

– Member – Wolmer's Old Girls' Association

**Dr Gillian Lowe**

– Member – The Rotary Club of Kingston

**Dr Kai Morgan**

– Member, Caribbean Sexuality Research Group

– Executive Board, Grata Foundation

– Vice-President, Jamaican Psychological Society

**Dr Henroy Scarlett**

– President – Jamaica Occupational Health Professionals Association (JOHPA).

– Member, National Oversight Committee, Ministry of Health Wastewater Systems Evaluation Project

**Dr Clayton Sewell**

– Member, Medical Council of Jamaica

– Member, Medical Association of Jamaica

– Volunteer, Children in Custody Project, Ministries of Health & National Security

– Team Member and Consultant – Office of the Children's Advocate

– Co-developer, Comprehensive Assessment Tool to evaluate Children in Conflict with the Law

– Co-developer, Developed Manual for Managing Children in Conflict with the Law

– Member, Alzheimer's Jamaica – Established support group and participated in public education

– Volunteer, National Council on Drug Abuse (NCDA): Drug Court Programme.

– Mental Health Educator, Community, School and Church Outreach Programmes to educate the community on issues such as stress management, mental disorders and social issues

**Dr Kristen Smith**

– Member, Medical Association of Jamaica
– Treasurer, Caribbean College of Family Physicians
– Organizing Committee, Annual and Triennial Conferences, Caribbean College of Family Physicians

**Dr. Aileen Standard-Goldson**

– Executive Member, UWI Alumni Association (Jamaica Chapter)
– Executive Member, Caribbean College of Family Physicians (Regional)
– Member, Caribbean College of Family Physicians (Jamaica Chapter)
– Member, Association of General Practitioners of Jamaica
– Member, Medical Association of Jamaica

## DISTINCTIONS, HONOURS, SCHOLARSHIPS AND AWARDS

- **Professor Denise Eldemire-Shearer**. University of the West Indies Medical Alumni Association (UWIMAA) Pelican Award: For contribution to ageing, UWI, Jamaica and the Caribbean Region, July 2014
- Dr Carron D Gordon, Professor Rainford Wilks and **Professor Affette McCaw-Binns**. The Principal's Award for Best Research Publication for paper entitled "Effect of aerobic exercise (walking) training on functional status and health-related quality of life in chronic stroke survivors: a randomized controlled trial."
- **Dr Maria Jackson**. The Principal's Research Award for the project with the greatest multidisciplinary/cross faculty collaboration. Faculty of Medical Sciences, University of the West Indies, Mona, Kingston, Jamaica.
- Dr. Garth Lipps, **Dr Gillian Lowe, Dr Roger Gibson,** Dr Nelson Clarke, Miss Rosemarie Wilson, The Prinicipal's Award for The Best

Research Publication, February 2014 for Parenting & Depression among adolescents in four Caribbean societies.

- Dr. Garth Lipps, **Dr Gillian Lowe, Dr Roger Gibson**, Dr Nelson Clarke, Miss Rosemarie Wilson. Principal's Awards for Research Projects with the Greatest Multidisciplinary/ Cross Faculty Collaboration, February 2014 for Parenting & Depression among adolescents in four Caribbean societies.
- **Professor Affette McCaw-Binns**. Caribbean Public Health Agency (CARPHA) Award: For Outstanding Achievement in Reproductive Health Research and Epidemiology. May 2014.

## RESEARCH

Two Faculty members succeeded in gaining New Initiative Grants worth J$1.5 million each, down from four in the previous year. **Drs Gillian Lowe, Garth Lipps** and **Roger Gibson** will evaluate the impact of the GSAT/ Common Entrance examinations on students', parents' and teachers' depression and anxiety in five Caribbean Nations. **Dr Cunningham-Myrie** and her co-investigator Dr Twila-Mae Logan (PI) will undertake a cost benefit analysis of early interventions in sickle cell disease.

### Summary of Current Research – Section of Psychiatry

Prof Wendel Abel and his team have completed data collection for a national study on suicide in Jamaica at the request of the Ministry of Health, with funding from UNICEF. The study has examined suicidal ideation and behaviour among adolescents; conducted Psychological Autopsy on persons who committed suicide in 2012 and reviewed the socio-demographic and clinical characteristic of patients presenting to Emergency Rooms with attempted suicide. They also completed data collection for a national school survey of Drug Use among Secondary School Students, undertaken in collaboration with the National Council on Drug Abuse, with funding from the Organization of American States (OAS).

Dr Samantha Longman-Mills led the Jamaican segment of a multi-country "Health Behaviour Survey of Undergraduate University Students in Low and Middle Income Countries: A Multi-Country Study." Principal Investigator: Professor Karl Peltzer – University of the Free State South Africa.

## PUBLICATIONS

Department faculty authored 32 peer reviewed journal articles, six book chapters, 16 published abstracts and six technical reports. Another 41 presentations were made at scientific meetings as well. Two papers represented joint work between both sections (Community Health and Psychiatry); 12 papers and four books/book chapters were produced by the psychiatry team (N=10), with 24 papers and two book chapters co-authored by community health investigators (N=17). The Department's per capita output across both sections for papers and book chapters was 1.40; 1.60 for psychiatry and 1.52 for Community Health. Another 16 papers were also accepted and are awaiting publication, 11 by the *West Indian Medical Journal*. This would increase per capita output to 2.00. Postgraduate students contributed one paper and five published abstracts to this output.

## PEER REVIEWED JOURNAL ARTICLES

### Joint Community Health and Psychiatry

Neita SM, **Abel WD, Eldemire-Shearer D, James K, Gibson RC.** The prevalence and associated demographic factors of dementia from a cross-sectional community survey in Kingston, Jamaica. *International Journal of Geriatric Psychiatry* 2014 29(1), 103–105. doi: 10.1002/gps.3982.

**Gibson RC**, Neita SM, **Abel WD, James K, Eldemire-Shearer D.** Socio-demographic Factors Associated with Depressive Symptoms among Elderly Persons from Two Communities in Kingston, Jamaica. *West Indian Medical Journal,* 2013 September; 62 (7): 615–19.

**Community Health**

Abdulkadri AO, Gordon-Strachan GM, McFarlane SR, **Cunningham-Myrie CA**, Wilks RJ, Anderson SG. Excess cardiovascular risk burden in Jamaican women does not influence predicted 10-year CVD risk profiles of Jamaica adults: An analysis of the 2007/08 Jamaica Health and Lifestyle Survey. *PLoS ONE* 2013;8(6): e66625 IF 3.73 Citations 1

**Cunningham-Myrie C,** Younger N, Tulloch-Reid M, McFarlane S, Francis D, Ferguson T, Gordon-Strachan G, Willie D, Wilks R. Diabetes Mellitus in Jamaica: Sex Differences in Burden, Risk Factors, Awareness, Treatment and Control in a Developing Country. *Tropical Medicine & International Health* 2013; 18(11):1365–1378 (Featured on MDLinx.com on October 17, 2013) IF 2.938.

Dasgupta S, Williams EW, Walters C, **Eldemire-Shearer D**, Williams-Johnson J. A Clinical Audit of the Management of Acute Asthmatic Attacks in Adults and Children Presenting to an Emergency Department *West Indian Med J* 2014; 63(3): DOI: 10.7727/wimj.2013.146

**Eldemire-Shearer D, Mitchell-Fearon K, Laws H,** Waldron N, **James K, Holder-Nevins DL**. Ageing of Jamaica's Population – What are the implications for health care. *West Indian Med J.* 2014; 63 (1): Jan. 10.7727/wimj.2014.003

**Figueroa JP.** Review of HIV in the Caribbean: Significant Progress and Outstanding Challenges. Current HIV/AIDS Reports 2014 Jun; 11(2): 158–167. DOI 10.1007/s11904-014-0199-7.

**Figueroa JP,** Weir SS, Jones-Cooper C, **Byfield L,** Hobbs MM, McKnight I, Cummings S. High HIV prevalence among men who have sex with men in Jamaica is associated with social vulnerability and other sexually transmitted infections. *West Indian Med J*. 2013; 62(4): 286–91.

Firoz T, Chou D, Von Dadelszen P, Agrawal P, Vanderkruik R, Tuncalp O, Van Den Broek N, Magee LA, Say L For The Maternal Morbidity Working Group (Ceccatti JC, Donnay F, Fawole O, Ferguson R, Filippi V, Ghérissi A, Gülmezoglu AM, Gyte G, Hirose A, Jayathilaka A, Kone Y, Lange I, **McCaw-Binns A**, Morgan M, Munjanja S, Öztopcu C,

Sullivan E). Measuring Maternal Health: Focus On Maternal Morbidity. Bull World Health Organ 2013 Oct1; 91(10):794–6. doi: 10.2471/BLT.13.117564. Epub 2013 Aug 6.

Fletcher SM, Lewis-Fuller E, Williams H, Miller Z, **Scarlett HP**, Cooper C, Gordon-Johnson K, Vickers I, Shaw K, Wellington I, Thame J, Pérez E, Indar L. Magnitude, distribution, and estimated level of underreporting of acute gastroenteritis in Jamaica. *Journal of Health and Population Nutrition* 2013; 4: (Suppl 1); 69–80.

Jones DZ, Ragin C, Kidd NC, Flores-Obando RE, **Jackson M**, McFarlane-Anderson N, Tulloch-Reid M, Kimbro KS, Kidd LR. The impact of genetic variants in inflammatory-related genes on prostate cancer risk among men of African Descent: a case control study. Hered Cancer Clin Pract. 2013 Dec 23;11(1):19. doi: 10.1186/1897-4287-11-19. PMID:24359571

Lindo JLM, **Holder-Nevins D**, Dover Roberts D, Dawkins P, Bennett J. Shaping the research experiences of graduate students using action research at a school of nursing in Jamaica. *Nursing Education Today* 2013; 33(12) 1557–1562.

Micha R, Khatibzadeh S, Shi P, Fahimi S, Lim S, Andrews KG, Engell RE, Powles J, Ezzati M, Mozaffarian D; Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE). Global, regional, and national consumption levels of dietary fats and oils in 1990 and 2010: a systematic analysis including 266 country-specific nutrition surveys. *BMJ*. 2014 Apr 15;348:g2272. PMID:24736206

Morris C, **James K, Holder-Nevins D, Eldemire-Shearer D**. Insights from a developing Country: self-reported health status of elderly men (60 years and over) in Jamaica. *International Journal of Men's Health* 2013; 12:(2): 106–129.

Novak RM, Metch B, Buchbinder S, Cabello R, Doastorg Y, **Figueroa JP**, Abdul-Jauwad H, Joseph P, Koenig E, Metzger D, Sobieszycz M, Tyndall M, Zorilla C. Risk Behavior among Women enrolled in a Randomized Controlled Efficacy Trial of an Adenoviral Vector Vaccine

to Prevent HIV Acquisition: the Step Study. AIDS 2013 July 17; 27(11): 1763–1770. doi:10.1097/ QAD.0b013e328360c83e.

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Powles J, Fahimi S, Micha R, Khatibzadeh S, Shi P, Ezzati M, Engell RE, Lim SS, Danaei G, Mozaffarian D; Global Burden of Diseases Nutrition and Chronic Diseases Expert Group (NutriCoDE).4 Global, regional and national sodium intakes in 1990 and 2010: a systematic analysis of 24 h urinary sodium excretion and dietary surveys worldwide. *BMJ Open*. 2013 Dec 23;3(12):e003733. PMID: 24366578

Rogers EN, Jones DZ, Kidd NC, Yeyeodu S, Brock G, Ragin C, **Jackson M,** McFarlane-Anderson N, Tulloch-Reid M, Sean Kimbro K, Kidd LR. Toll-like receptor-associated sequence variants and prostate cancer risk among men of African descent. *Genes Immun*. 2013 Sep: 14(6): 347-55. doi: 10.1038/gene.2013.22.

Rogers S, Tureski K, Cushnie A, Brown A, **Bailey A**, Palmer Q. Layered stigma among health-care and social service providers toward key affected populations in Jamaica and The Bahamas. *AIDS Care Psychological and Socio-medical Aspects of AIDS/HIV*, DOI:10.1080/09540121.2013.844762

Watson K, Williams-Johnson J, Watson H, Walters C, Williams EW, **Eldemire-Shearer D.** The Compliance of Healthcare Workers with Universal Precautions in the Emergency Room at the University Hospital of the West Indies. *West Indian Med J* 2014; 63(3): DOI: 10.7727/wimj.2014.044

Weir SS, **Figueroa JP**, **Byfield LL**, Scott MA, Hobbs MM, Edwards JE, Duncan JP. "Do you think your main partner has other sex partners?" A simple question provides insight into sexual risk in Jamaica. *Int J STD AIDS* 2014 Apr 2 [e Pub]0956462414529096, doi:10.1177/ 0956462414529096.

### Student Led

Mullings JA, **McCaw-Binns AM**, Archer C, Wilks R. Gender differences in the effects of urban neighbourhood on depressive symptoms in Jamaica. *Pan American Journal of Public Health* 2013; 34(6): 385-92.

### Psychiatry

Brown T, **Morgan KAD.** Psychological distress and substance abuse in Jamaican youths living with HIV/AIDS. *West Indian Medical Journal* 2013 62(4), 341–345.

Edwards CL, Killough A, Wood M, Doyle T, Feliu M, Barker CS, Uppal P, DeCastro L, Wellington C, Whitfield KE, O'Garo KN, **Morgan K**, Alesii LYE, Byrd GS, McCabe M, Goli V, Keys A, Hill L, Collins-McNeil J, Trambadia J, Guinyard D, Muhammad M, McDonald P, Schmechel D, Robinson E. Emotional Reactions to Pain Predict Psychological Distress in Adult Patients with Sickle Cell Disease. *International Journal of Psychiatry in Medicine* 2014 47(1) 1–16. IF = 1.15

Gossell-Williams M, **Martin JS, Sewell, CA**, Neita S, **Gibson RC, Abel WD**, McGrowder D. The Prevalence of the metabolic syndrome in psychiatric patients presenting to UHWI: a need to adopt a proactive screening and specific management policy. *West Indian Medical J. 2013;* 61(8):802-808.

Hickling FW, **Gibson RC,** Hutchinson G. Current research on transcultural psychiatry in the Anglophone Caribbean: Epistemological, public policy, and epidemiological challenges. *Transcultural Psychiatry* 2013 Dec;50(6):858-75. doi: 10.1177/ 1363461513508806. Epub 2013 Oct 22.

Hickling FW, **Martin JS**, Walcott G, Paisley V, Hutchinson N, Clarke TR, Barton EN. The creation and validation of the Jamaica Personality Disorder Inventory. *West Indian Medical J* 2014;62(5): 389-397.

**Longman Mills S**. Maltreatment during childhood and its relationship with psychological distress and academic performance among University Students. Journal of Arts Science and Technology. 2013;6(2013):21-33.

**Longman Mills S,** Carpenter K. Interpersonal Competence and Sex Risk Behaviours among Jamaican Adolescents. *West Indian Medical J* 2013;62(5):423–6.

**Lowe GA,** Lipps G, **Gibson RC**, Halliday S, Morris A, Clarke N, Wilson RN. Neighbourhood Factors and Depression among Adolescents in Four Caribbean Countries. *PLOS One* 2014 Apr 23;(4):e95538. doi:10.1371/journal.pone.0095538

**Martin JS**, Walcott G, Clarke TR, Barton EN, Hickling FW. The prevalence of personality disorder in a general medical hospital population in Jamaica. *West Indian Medical J* 2014; 62(5):463–468.

Walcott G, **Martin JS,** Hickling FW. The prevalence of personality disorder in a psychiatric and substance abuse population in Jamaica. *West Indian Medical J* 2014; 62(5): 458–463.

### ACCEPTED FOR PUBLICATION

**Abel WD, Morgan KAD, Gibson RC**, Edwards CLE, O'Garo K, Parshad-Asnani M, Whitehorne-Smith P, Martin J, White YRG, Sewell C. Depression and Active Coping among Attendees at the Sickle Cell Unit in Jamaica. *West Indian Medical J*.

**Cunningham-Myrie C**, Theall K, Younger N, Tulloch-Reid M, McFarlane S, Francis D, Gordon-Strachan G, Wilks R. Associations between neighborhood effects and physical activity, obesity and diabetes: The Jamaica Health and Lifestyle Survey 2008. *Journal of Clinical Epidemiology.*

**Harris MA, James K**, Waldron NK, Ferguson T, **Figueroa JP**. Glycaemic control among patients with diabetes in primary care clinics in Jamaica; 1995 and 2012. *West Indian Medical J.*

**Longman-Mills S, Abel W**, **De La Haye W**. Substance Abuse During Adulthood Subsequent to the Experience of Physical Abuse and Psychological Distress During Childhood. *West Indian Medical J.*

**Longman-Mills S** , **De La Haye W**, Hamilton H A, Brands B, Wright G, Mann RE, Khenti A. Psychological Maltreatment and its Relationship

With Substance Abuse Among University Students in Kingston, Jamaica. *Texto & Contexto Enfermagem*

**Longman-Mills S**, González WY, Meléndez MO, García MR, Gómez JD, Juárez CG, et al. The association between adult drug abuse and childhood maltreatment among students attending universities in Latin America and the Caribbean. *Texto & Contexto Enfermagem*

**Martin JS, Sewell CA, Abel WD**. Alprazolam dependence…The sting in the tail. *West Indian Medical J.*

**McCaw-Binns A**, Holder Y, Mullings J. Why vital registration undercounts maternal deaths in Jamaica. *International Journal of Gynecology and Obstetrics.*

**McCaw-Binns A**, Holder Y, Mullings J. Certification of coroners' cases by pathologists would improve the completeness of death registration in Jamaica. *Journal of Clinical Epidemiology*.

**Mitchell-Fearon K**, Waldron N, **James K**, **Laws H, Eldemire-Shearer D.** Chronic disease in older persons in Jamaica 2012. *West Indian Medical J.*

**Mitchell-Fearon K**, Waldron N, **James K**, **Laws H, Holder-Nevins D,** Eldemire-Shearer D. Hypertension and diabetes prevalence in older persons In Jamaica, 2012. *West Indian Med J.* 2014.

Powell-Booth K, **De La Haye W, Longman-Mills S.** Impact of Cannabis on the Neurocognitive Performance of Jamaican Adolescents. *West Indian Medical J.*

**Sewell CA,** Roberts R, **Abel WD, Martin JS.** Gamma-Hydroxybutyrate (GHB) withdrawal in Jamaica. *West Indian Medical J.*

**Sewell CA, Martin J.S.** Substance Abuse and Mental Health. *West Indian Medical J.*

Smith P, **Morgan KAD, De La Haye W, Abel WD**. Gender differences in psychosocial risk and protective factors for adolescent alcohol use and misuse in Jamaica. *West Indian Medical J.*

Thomas P, Gossell-Williams M, **Sewell CA, Abel WD**, McGrowder D, **Martin JS.** The impact of cannabis use on the dosage of antipsychotic

drugs for patients admitted on the psychiatric ward at the UHWI. *West Indian Medical J.*

**BOOKS/CHAPTERS IN BOOKS**

Alexander S, **McCaw-Binns A**. Community dental and maternal health – periodontal disease and low birth weight in Jamaica: preliminary findings. In: *Sexual and Reproductive Health in Jamaica: Medical, Ethico-legal and Social Perspectives.* Eds. Frederick J, Hamilton P, Meade J. Pelican Publishers: Kingston, 2013, pp 47–56.

**Longman Mills S.** Case Study of One University in Kingston, Jamaica. In: Wright G, Cumsille F, Khenti A, Mann R, Brands B, Hamilton H, editors. *Drug Use Among Students And Its Relationship With Maltreatment During Childhood, In Seven Universities In Latin America and the Caribbean*. Washington, DC: Organisation of the American States; 2013. p. 120–7.

**Longman-Mills S,** García MR, Gómez JD, Juárez CG, Martínez EA, Meléndez MO, et al. *Drug Use Among Students and its Relationship with Maltreatment During Childhood, In Seven Universities In Latin America and the Caribbean.* Washington DC: Organization of American States; 2013. 162 pages

**Morgan KAD.** Rastafari: Cultural Healing. In: Sutherland P, Moodley R, Chevannes B. (Eds.). *Caribbean Healing Traditions: Implications for Health & Mental Health*. New York, NY: Routledge, 2013.

Kilpela L, Zerubavel N, Hobkirk A, Feliu M, Doshi S, O'Garo KO, Trambadia J, Keys A, Hill L, Wood M, **Morgan K**, Whitfield K, Binks M, Sollers JJ, Edwards CL. Body Image and Body Dissatisfaction in Ethnic Men. In: Marian S. Harris (Ed). *African American Perspectives: Family Dynamics, Health Care Issues and the Role of Ethnic Identity.* Hauppauge, NY: Nova Science Publishers, Inc. 2014. pp. 103–144.

**McCaw-Binns A**, Lewis-Bell K. Achieving MDG5: Implications for reproductive health care in Jamaica. In: *Sexual and Reproductive Health in Jamaica: Medical, Ethico-legal and Social Perspectives.* Eds. Frederick J,

Hamilton P, Meade J. Pelican Publishers: Kingston, 2013, pp 151–161.

## TECHNICAL REPORTS

**Bailey A**. Formative research using focus group discussions: Creating a supportive environment for adolescents at the South Camp Juvenile Correctional and Remand Centre. Ministry of Health, Jamaica, April 2014 (11 pages)

**Bailey A.** Four regional consultations on voluntary counselling and testing for minors below 16 years. Ministry of Health, Jamaica. March 2014 (20 pages)

Campbell D, **De La Haye W, Eldemire-Shearer D**. Status Report on Homelessness in Jamaica: An all Parish Survey, November 2012. Kingston: Ministry of Local Government and Community Development, August 2013.

**Eldemire-Shearer D., James K**, Waldron N, **Mitchell-Fearon K.** Study of the Jamaican Elderly, 2012. Technical Document for: National Health Fund, and Planning Institute of Jamaica, 2013.

**Laws H**, Davidson-Sadler T, Ferguson T, Christian C, Lawrence-Wright M, Campbell K, Duncan J, Wilson R, Singh K, Wilks R, Reid M, Hagley K, Gordon C; The Core Technical Advisory Group on Hypertension 2013- 2014 and Expert panel on Chronic Disease in 2007. Guidelines for the Management of Hypertension. Ministry of Health, Jamaica. March 2014 (105 pages).

**McCaw-Binns A.** (editor). Assessment of Maternal Death Audit System in Africa, Level of Implementation & Gaps in Selected Countries, by Dr Jeff K Mathe. African Union/United Nations Women, Addis Adaba, Ethiopia.

## PUBLISHED ABSTRACTS AND POSTERS

### Abstracts

Abrahams L, **Standard-Goldson A, James K**, Soyibo A. Haemodialysis

cathether infection in Kingston, Jamaica. *West Indian Medical Journal* 2014: 63 (Suppl 2): P46 [Poster presentation, CARPHA 2014].

**Cunningham-Myrie C**, Younger-Coleman N, Tulloch-Reid M, McFarlane S, Francis D, Ferguson T, Gordon-Strachan G, and Wilks R. Diabetes in Jamaica: Estimated percentage reduction for men versus women through physical activity and weight loss. *West Indian Medical Journal.* 2014; 63: (Suppl. 1): 35

Ferguson TS, Younger-Coleman NO, Tulloch-Reid MK, Knight-Madden JM, Samms-Vaughan M, Ashley D, **McCaw-Binns A**, Cruickshank JK, Molaodi O, Harding S, Wilks RJ. Early life social and biological determinants of blood pressure at 18-20 years old: the 1986 Jamaica Birth Cohort Study. *West Indian Medical Journal* 2014: 63 (Suppl 2): O8 [Oral presentation, CARPHA 2014].

**Harris M, James K**, Waldron N, Ferguson TS, **Figueroa JP**. Minimal improvement in management of diabetes in primary care in Jamaica over two decades: a clinical audit. *West Indian Medical Journal* 2014: 63 (Suppl 2): O36 [Oral presentation, CARPHA 2014].

**McCaw-Binns A**. The contribution of midwifery to safe motherhood in 20th century Jamaica and challenges in the 21st century. International Confederation of Midwives (ICM) 30th Triennial Congress – Midwives: Improving Women's Health Globally. Peer reviewed published abstract. C006 [Oral presentation] 2 June 2014. www.midwives2014.org

McLennon N, Abel C, Fearon I, **Mitchell-Fearon K**, Thomas K, Johnson-Samuels A. (2014). Abstract: Experience with Anorectal Malformations (ARMs) at the Bustamante Hospital for Children. *West Indian Medical Journal*: Supplement, Association of Surgeons Annual Conference.

Minus Grimes I, Hanna-Mahase C, **Eldemire-Shearer D**, Frankson MA. The impact of exercise on cognitive function in the elderly attending gerontology clinics, New Providence, Bahamas. *West Indian Medical Journal* 2014: 63 (Suppl 2): O23 [Oral presentation, CARPHA 2014].

Smith L, Gossell-Williams M, Morris C, **Eldemire-Shearer D**. Prevalence of orthostatic hypotension among ageing patients on antihypertensive

and antidepressants and assessment of the risk of falls. *West Indian Medical Journal* 2013; 62 (Suppl 6): P-13.

Smith L, Gossell-Williams M, Morris C, **Eldemire-Shearer D**. Prevalence of orthostatic hypotension among aging patients on antihypertensive and antidepressants and assessment of the risk of falls. *West Indian Medical Journal* 2014: 63 (Suppl 2): O10 [Oral presentation, CARPHA 2014].

Thomas P, Gossell-Williams M, **Martin J, Sewell C, Abel W**. Assessment of antiphyschotic therapy in the management of male cannabis users presenting to the University Hospital of the West Indies with psychotic episodes. *West Indian Medical Journal* 2013; 62 (Suppl 6): P-7.

Thompson S, Enriquez-Collins A, Brown G, Harvey C, Campbell N, **Scarlett HP**, Davey P, Hatch T, Ryan B, Kali M. Case studies in successful international collaboration. NEHA 78th AEC and 13th IFEH World Congress Program Guide. http://www.neha2014aec.org/sites/default/files/u20/ AEC2014_Program_Final.pdf

**Student led**

Bridgelal-Nagassar RJ, **James K**, Nagassar RP, Maharaj S. Medication adherence and health insurance/health benefit in adult diabetics in Kingston, Jamaica. *West Indian Medical Journal* 2014; 63 (Suppl 2): O-54 Oral presentation, CARPHA meeting.

Bridgelal-Nagassar RJ, **James K**, Nagassar RP, Maharaj S. Prevalence of medication non-adherence in diabetics attending two health centres in Kingston, Jamaica. *West Indian Medical Journal* 2013; 62 (Suppl 6): P-14.

Jackson S, **Eldemire-Shearer D**, James K, Bullock-Ducasse M. Influenza viraemia and its significance among Jamaican patients, 2009-2012. O-20. *West Indian Medical Journal* 2013; 62 (Suppl 6): O-20.

Nation N, Jackson ST, **Eldemire-Shearer D**, Klimov A, Cox N, Bullock-Ducasse M, Jackson S, Simmons Q. Influenza vaccine composition and

circulating influenza viruses in Jamaica: 2010 to 2012. *West Indian Medical Journal* 2013; 62 (Suppl 6): O-21.

Rodriguez Y, **James K**, Waldron N, **Holder-Nevins D, McCaw-Binns A.** Telecommunication Technology: Compliment to Chronic Disease Compliance. *West Indian Medical Journal* 2013: 63 (Suppl 6): P12. Poster presentation, FMS Research Day 2013.

## OTHER PAPERS PRESENTED

### Papers Presented at Academic Conferences and Seminars

**Abel W.** Community Mental Health Services – Jamaica Psychiatric Association, September 2013, Jamaica.

**Abel W.** Medical Marijuana – Annual Research Day, University of the West Indies, Mona. February 2014, Kingston, Jamaica.

**Abel W.** Marijuana: Scientific and Medical Benefits – Annual Conference - Jamaica Pharmaceutical Society, June 2014, Jamaica.

**Cunningham-Myrie C.** Diabetes in Jamaica: Estimated percentage reduction for men versus women through physical activity and weight loss. University Diabetes Outreach Project, 20th Annual International Conference. March 29, 2014, Ocho Rios, Jamaica

**Cunningham-Myrie C.** Preventing Diabetes in Jamaicans: Is a different approach needed for men versus women? Fulbright Academy. 8th Annual Conference. Summit on Global Health. May 25, 2013, Montego Bay, Jamaica.

**De La Haye W.** Free the Weed! – At What Cost to the Jamaican Society – Medical Association of Jamaica Annual Conference, June 2014, Jamaica.

Edwards CL, Feliu M, Wood M, McNeil J, Reif R, O'Garo KN, Barker C, Wellington C, Harrison MO, Edwards L, Keys A, Trambadia J, Byrd GS, **Morgan K**, Robinson E, Whitfield KE. Ethnic Influences and Pain in Black Patients with Sickle Cell Disease. Presented at the Dorothy L. Powell Annual Global Health Lecture and Research Symposium on

Increasing Access to Primary Health Care Globally in Low Income and Rural Communities. Duke University School of Nursing (Invited). January, 2014, USA.

**Eldemire-Shearer D.** Caring for the Elderly: Men's Health. Meadowbrook United Church Men's Fellowship, March 2, 2014, Kingston, Jamaica.

**Eldemire-Shearer D.** AGEING: How To Do It Successfully And Live Life To The Fullest. CariMed, Conference, November 23, 2013, Kingston, Jamaica.

**Eldemire-Shearer D.** Mental Health Workshop. October 10, 2013, Mandeville, Jamaica.

**Eldemire-Shearer D.** WDA/Bradesco Seguros/ILC-Brazil Logevity Forum Models of Care: Jamaica Presented at Brazil October 15–17, 2013

**Figueroa JP.** High HIV prevalence among MSM in Jamaica is associated with social vulnerability, sex work and other STI. Meeting of National HIV Programme Managers and Key Partners, Port of Spain, Trinidad and Tobago, 21–23 October 2013.

**Figueroa JP.** The Caribbean Expanded Program of Immunization experience: are there lessons for strengthening the HIV response? Meeting of National HIV Programme Managers and Key Partners, Port of Spain, Trinidad and Tobago, 21–23 October 2013.

**Figueroa JP** and the SAGE Working Group on Measles and Rubella. Recommendations for optimising the use of rubella vaccine in the routine childhood schedule and determining the target age range for measles and combined measles-rubella SIAs. WHO Strategic Advisory Group (SAGE) on Vaccine Preventable Diseases meeting, Geneva, Switzerland, 3–5 November 2013.

**Figueroa JP.** Planning for oral Polio Vaccine Type 2 (OPV2) withdrawal and introduction of IPV. 29th Caribbean Expanded Program of Immunization (EPI) Managers' meeting, Runaway Bay, Jamaica, 19–21 November 2013.

**Figueroa JP**. Lessons of the Caribbean EPI experience. 29th Caribbean

Expanded Program of Immunization (EPI) Managers' meeting, Runaway Bay, Jamaica, 19–21 November 2013.

**Figueroa JP.** The Challenge of HIV among men who have sex with men in Jamaica. Ena Thomas Memorial conference, Kingston, Jamaica, 24 November 2013.

**Figueroa JP**. Ending HIV stigma and discrimination in Jamaica. Presentation to Parliamentarians, Jamaica Conference Centre, Kingston, Jamaica, 3 December 2013.

**Figueroa JP.** Planning for oral Polio Vaccine Type 2 (OPV2) withdrawal and introduction of IPV. Report of Polio Working Group to TAG. PAHO TAG meeting Washington DC, USA, 14 April 2014.

**Harris MA, James K,** Waldron NK, Ferguson T, **Figueroa JP.** A review of glycaemia control among primary care patients in Jamaica. CARPHA Annual Scientific meeting, Aruba, May 2014

**Figueroa JP.** Social Determinants of Health: a conceptual framework. CARTTA/DrPH HIV Prevention Workshop, Mona, Kingston, Jamaica, 4-9 July 2014.

**Figueroa JP**. Understanding HIV Transmission: the Proximate-Determinants Framework. CARTTA/DrPH HIV Prevention Workshop, Mona, Kingston, Jamaica, 4–9 July 2014.

**Harrison J,** Mitchell C. Simultaneous poly-substance use among undergraduate 1st & 2nd years health science students at a university in Kingston Jamaica: profile, risk and protective factors. Oral presentation at the IUC Research Day Conference April 2014, Kingston, Jamaica.

**Laws H,** et al. First draft of updated Guidelines for the Management of Hypertension, Ministry of Health, February 2014(41 pages). Meeting of the Core Technical Advisory Group on Hypertension (2013–2014). Department of Community Health and Psychiatry, UWI (Mona). February 21, 2014

**Laws H,** et al. First draft of updated Guidelines for the Management of Diabetes Mellitus, Ministry of Health (36 pages). Meeting of the Core

Technical Advisory Groupon Diabetes Mellitus (2013 -2014), Ministry of Health, Jamaica. February 14, 2014.

**Laws H.** Ageing: A Reality – Managing the Ageing Process. Guest presentation at a Client Seminar hosted by Guardian Group, Guardian Life Limited. Terra Nova All Suite Hotel, Kingston. June 17, 2014.

**McCaw-Binns A.** Maternal death surveillance and response beyond 2015: Jamaica. Feature Lecture: 59th Caribbean Public Health Agency Scientific Meeting. May 1–3, 2014, Aruba.

McLennon N, **Mitchell-Fearon K**, Barry R, Fearon I, Abel C. Pediatric Appendicitis: The 5 year experience at the Bustamante Hospital for Children. Oral presentation, Annual Retreat of the Association of Surgeons in Jamaica, 2013.

**Mitchell-Fearon, K.** UWI: Charting the course in Health Management training in the Caribbean region. Oral presentation, Jamaica Health Services Executives (JAHSE) Annual Meeting. October 2013.

**Morgan K,** McKenzie M, **Longman-Mills S.** Ethical Standards of professional practice for the Mind, Body & Spirit. Psychology Conference 2014; UWI, Mona; 6 March 2014, Kingston, Jamaica.

**Longman-Mills S.** Experiencing Maltreatment during Childhood and its Relationship with Drug Abuse Among University Students in Jamaica. Presented at Caribbean Child Research Conference 2013; Jamaica Conference Centre; 6 November 2013, Kingston, Jamaica.

**McCaw-Binns A.** Maternal death surveillance and response – Jamaica: what works! Regional Task Force on Maternal Mortality Reduction (GTR). November 14, 2013, Punta Cana, Dominican Republic.

**McCaw-Binns A.** The contribution of community midwifery to safe motherhood in 20th century Jamaica and challenges for the 21st century. First biennial nursing midwifery research conference. University of Technology, Jamaica, Caribbean School of Nursing. August 15–16, Kingston, Jamaica.

**McCaw-Binns A.** Linkages between maternal, neonatal and child health (MNCH) and violence against women: gender and MNCH. International

Conference on maternal, newborn and child health in Africa. August 1–3, 2013, Johannesburg, South Africa.

Ragin C, **Jackson M,** Kidd LR, McFarlane-Anderson N, Flores-Obando R, Kimbro K. Inflammation-related SNPs, markers of inflammation and Prostate Cancer in Caribbean men. 10th Annual National Symposium on Prostate Cancer. Clark Atlanta University, Atlanta, GA, USA. March 16–19, 2014.

Rodriguez Y, **Laws H**, Harvey K. Hepatitis B reporting to the National Surveillance Unit -An Anaylysis. Ministry of Health, 4th Annual National Health Research Conference "Environmental Health & Communicable Diseases" November 28–29, 2013 Session 4, page 21.

**Scarlett HP.** Case studies in successful international collaboration: Training in Global Health Practice – An Infectious Disease Field Course in Jamaica involving the UWI, UAB and SDSU. 78th National Environmental Health Association (NEHA) Annual Education Conference (AEC) in partnership with the International Federation of Environmental Health (IFEH) 13th World Congress, July 7–10, Cosmopolitan of Las Vegas, Las Vegas, Nevada, USA.

**Scarlett HP.** Asbestos Use and Health Implications. Caribbean Poison Information Network (CARPIN) Scientific Seminar, University of Technology, June 1, 2014.

**Scarlett HP.** Indoor environmental quality. Quarterly seminar meeting of the Jamaica Occupational Health Professionals Association (JOHPA), October 31, 2013 at the Alhambra Inn, Kingston, Jamaica.

**Scarlett HP**. Global climate change and its impact on human health. 65th Annual Educational Conference and Exhibition of the Jamaica Association of Public Health Inspectors (JAPHI), October 23, 2013, Jewel Beach Resort, St. Ann, Jamaica.

**Smith K.** Obesity, 21st Century Epidemic – Impact & Intervention. Obesity Management Options: Behaviour Modification and Adherence Counseling Conference, Mona Visitor's Lodge and Conference Centre, UWI Mona. February 9, 2014, Jamaica.

## STUDENTS

### Postgraduate Students

| Categories of students | Number registered 2013–2014 | To graduate Nov 2014 |
|---|---|---|
| PhD Public Health | 10 | 0 |
| Doctorate of Public Health (DrPH) | 28 | 1 |
| Master of Public (MPH) | 19 | 12 |
| – General | 9 | 11 |
| – Health Education/Health Promotion | 4 | 1 |
| – Health Systems Management | 6 | n/a |
| Diploma in Family Medicine (Years 1–2) | 20 | 8 |
| – *Bahamas* | 8 | 4 |
| – *Mona* | 12 | 4 |
| DM Family Medicine (Years 3–4) | 16 | 6 |
| – *Bahamas* | 6 | 3 |
| – *Mona* | 10 | 3 |
| DM Psychiatry (Years 1–4) | 14 | 1 |

# DEPARTMENT OF MEDICINE

**Professor Michael Gibson Lee**, MB.BS *UWI*, DM (Internal Medicine) *UWI*, FRCP(C), FACP, FACG, FRCP *Edin*
**Head of Department**

## WORK OF THE DEPARTMENT

Facing significant challenges, the Department of Medicine continued its mission of excellence in teaching, engaging in research which is relevant, providing service and outreach during the period August 1, 2013 to July 31, 2014. The Department faced significant challenges with the limited budget allocated which was fully spent in the first 6 months.

## TEACHING

### Undergraduate

The Department has been able to manage the increased number of Undergraduate students in the MBBS program which continues to be one of the major challenges for the Department. This has especially

impacted the University Hospital of the West Indies (UHWI), the main teaching facility for clinical teaching, which has limited space and facilities with limited patient numbers. In addition, the shortage of resources at the UHWI is causing major challenges for patient care which affects both undergraduate and post-graduate teaching. The full time and Associate staff have managed the problems associated with the increased number of students in all clinical clerkships. The increased Internal Medicine patient load at the UHWI as well as at other institutions have created major problems with resources and inadequate staffing.

Most of the clinical students were assigned to the UHWI, which includes all of the second year IMP students and two thirds of the third year clerkship students. The 3rd year clinical students were divided between the Kingston Public Hospital (KPH) (one-third) and the UHWI (two-thirds). For the 5th year students, in addition to the UHWI, students were assigned to the peripheral teaching Hospitals including; KPH, the Cornwall Regional Hospital, the Mandeville Regional Hospital and the Spanish Town Hospital but problems with inadequate staffing continues to pose a challenge at all sites. Teaching also began at the May Pen Hospital late in 2013. The Associate Lecturers at the peripheral institutions, despite their busy clinical schedule, continue to do an excellent job in teaching the students. The feedback from the students at the peripheral teaching sites remains good.

The teaching strategy for the clinical clerkships has fully transformed from a mixture of large class didactic teaching to predominantly small group interactive teachings with an emphasis on patient and problem oriented learning. In addition to the small group bedside teaching there are scheduled teachings to students at the different sites on a daily basis. The guidelines for the clerkships have been updated and the topics for the daily teachings standardized.

The Introduction to Medical Practice (IMP 2) had a class size of over 300 students. Although there were problems with adequate space and staffing for the small group activities, the clerkship was completed satisfactorily. However, because of technical difficulties with the audio-visual transmission to the Western Jamaica campus the IMP students at

WJC came to Mona which increased the problems with space to adequately accommodate the additional students.

The main May/June (2014) MBBS final examination was conducted successfully and of the 194 students taking the Medicine examination 13 (6.7%) failed with 13 obtaining Honors. This is the highest number of candidates receiving Honors in the Medicine examination. A Mona student obtained the Medicine subject medal, having performed the best in the examination across all four campuses.

The increased number of students doing the clinical examination is creating challenges with the need for an increased time to complete the clinical examination process and the increased personnel needed with an increase in expenditure.

**Postgraduate**

The postgraduate DM programme in Medicine has been training specialists in Internal Medicine for Jamaica and the Caribbean for over forty years despite a lack of specific funding for the programme. The success of the programme is highly dependent on the commitment of the staff to training these postgraduate students.

Several changes have been made to the programme over the past year. Candidates have to work in Internal Medicine post-internship for 3 - 6 months and an interview process is necessary where possible for entry into the programme. A research project is a requirement in the third elective year. All candidates are required to submit a formal assessment to complete their registration at the start of each semester.

With the increasing number of undergraduate students in the MBBS programme there is an urgent need to increase the number of DM students in the Medicine programme but the UHWI is presently financially constrained to implement this increase. The DM students are paid by the UHWI and the number of posts are inadequate to cover the increased workload. Also, Government sponsored postgraduate students have diminished over the past two years. A major challenge for the DM graduate students is the significant increase in the number of emergency

referrals on a daily basis at the UHWI. The number of emergency patients and the lack of resources to manage these patients are major problems that need urgent attention.

There is a great need to train subspecialists and the Department is to start Fellowship subspecialty training as soon as qualified applicants are available in several areas. Nephrology Fellowship training has started and there has been four graduates. Approval has been obtained to start training in Cardiology, Gastroenterology and recently Infectious Disease. Fellowship training in Infectious Disease started in January 2014 with two Fellows. This is in collaboration with the University of South Carolina.

## RESEARCH

Expansion of research in the Department remains a priority. All members are encouraged and expected to do research and publish. The research output has been variable but has increased over the past two years.

The research laboratory in the Department has been non-functional and in disrepair for years but has been partially refurbished; however, there is a need for equipment for it to become fully functional.

An assistant lecturer who has an MBBS and a PhD degree has joined the staff to help drive the research agenda of the Department.

Two students have been registered to pursue research Masters degrees (MPhil).

## CONTINUING MEDICAL EDUCATION

The Department of Medicine remains committed to offering continuing medical education. The Department hosted a successful Cardiology week culminating in a Cardiology Symposium in February 2014. The theme was Coronary Artery Disease. There was a visiting lecturer from Yale University. The cardiology week activities also involved a talk by a staff member to employees at a major private corporation and a public wellness clinic and lectures to patients.

The inaugural Lecture by Professor R. Wright-Pascoe was given in February 2014.

The annual summer review in July 2014 was successful with an increased attendance from students, residents, general practitioners, nurses and consultants.

The Department had two distinguished Lectures presented by, Professor Carl Bazil, Professor of Clinical Neurology, Columbia University in September 2013 and Professor K. Srinath Reddy, President of the World Heart Federation in June 2014. There was also a Special Lecture by Dr. S. Weissman in January 2014, University of South Carolina

## INTERNATIONAL COLLABORATION

The Department has been in collaboration with the University of Toronto for Fellowship training in Cardiology. Several post-DM Fellows have been trained.

There is an agreement for collaboration with the University of South Carolina for Fellowship training in Infectious Disease. This started in January 2014 with two post–DM graduate students.

There has been collaboration with the Neurology Department of the University of Miami for teaching of students, residents and physicians in stroke management. Two symposiums have been done.

The Department in collaboration with the HIV Center, Columbia University organized a meeting of stake holders for taking stock and looking ahead for research for GMT and HIV/AIDS in Jamaica.

## OUTREACH

The Department was active in several outreach projects. The Nephrology staff has established renal clinics at the Mandeville Regional and St Ann's Bay Hospitals. The Department was instrumental in establishing the renal dialysis unit at the Mandeville Regional Hospital and staff members continue to service the clinic and dialysis unit.

Monthly consultation service and gastrointestinal procedures are performed at the Princess Margaret Hospital, St. Thomas by a staff Gastroenterologist. The Department has started a Gastrointestinal Service at the Spanish Town Hospital and has trained nurses for the unit. Gastroenterologists from the Department continue weekly consultations and procedure lists at Spanish Town Hospital.

A staff Cardiologist from the Department has a monthly Cardiology clinic at the St. Ann's Bay Hospital.

The staff at CHARES participates in several outreach projects including testing, and counselling at different events and monitor individuals with HIV infection in homeless people in Kingston.

Several members of staff are resource personnel on government and non-governmental organizations concerned with public health and charity. Other members of staff sit on various boards.

## VISITORS TO THE DEPARTMENT

**Professor Carl Bazil,** Professor of Clinical Neurology, Columbia University. Presented a distinguished lecture on Epilepsy and Sleep.

**Professor Craig M. Wilson**, Professor of Epidemiology, Pediatrics and Microbiology, Chair, Adolescent Medicine Network for HIV/AIDS Intervention, University of Alabama at Birmingham. Discussed collaborative work in HIV/AIDS and exchange of graduate students

**Dr. Sharon Weissman**, Programme Director Infectious Disease, University of South Carolina, **Professor Helmut Albrecht**, Head Infectious Disease, University of South Carolina. Discussed collaboration in the Fellowship Programme in Infectious Disease which started at Mona in January 2014. Presented at joint Infectious Disease Journal club and at a Special Lecture.

**Professor Theo Sandfort**, Programme Director HIV Center and Professor of Clinical Sociomedical Sciences, Columbia University, NY. Organized meeting of stake holders for taking stock and looking ahead for research for GMT and HIV/AIDS.

**Dr. Abeel Mangi**, Surgical Director, Center for Advanced Heart Failure, Yale New Haven Hospital, Conn. Associate Professor of Surgery, Yale University. Gave lecture at cardiology symposium and discussed collaboration with the cardiology unit in the Department of Medicine

**Professor B. R. Simon Rosser**, Director HIV/STI Intervention and Prevention studies, Division of Epidemiology and Community Health. School of Public Health, University of Minnesota

**Professor Rosser** and his team visited the Department to discuss collaborative studies in HIV infection.

**Professor K. Srinath Reddy**, President of the World Health Federation delivered the Eric Cruickshank distinguished lecture.

## SCIENTIFIC PAPERS PRESENTED

**L Hurlock**

- The management of Acute Coronary Syndrome. 22st Annual Research Conference Faculty of Medical Sciences Research Day, November 2013. Our women are small and old. implications for the use of Prasugrel in The Caribbean American Heart Association – Caribbean Cardiac Society Meeting – Dallas, Texas, November 2013.

**MG Lee**

- Helicobacter pylori in Jamaica. Biennial UWI and Mayo clinic pathology conference, April 2014

**N Clare-Pascoe, MG Lee, T Murphy**, T Ferguson, AM Nicholson

- Clostridium difficile-associated diarrhoea (CDAD) at the University Hospital of the West Indies over a six-year period. Ministry of Health, 4th National Health Research Conference.

**K Maloney**

- Soyibo AK, DeCeulaer K, Miller RK, Smith R, **Maloney K**, Barton EN. Establishing the Jamaica Lupus registry: report of patients with systemic lupus erythematosus attending a major referral hospital in Jamaica. Annual Lupus Symposium November 10, 2013.

**A Soyibo**

- Caribbean Renal Registry- Annual Data Report. 6th Annual Conference of Nephrology and Hypertension. Overview of kidney disease in the Caribbean, "Jamaica as a case point". Combined Nephrology conference, University of Michigan May 2014.
- CME Meeting. The WHO Updates for Managing Type 2 Diabetes, "Rational and Evidence". April 2014.
- Northern Clinical meeting: Generic Substitution in Nephrology. November 2013.
- Clinical meeting: Implication of drug substitution in Kidney Disease. October 2013.

**Professor R Wright-Pascoe**

- "Managing Chronic Diseases During Sports" – The University Diabetes Outreach Program (UDOP) 20th Annual International Diabetes Conference March 2014.
- "Hypothyroidism: Its Impacts, Implications and Management". The Pharmaceutical Society of Jamaica's 29th Annual Pharmaceutical Retreat June 2014.
- "Management of Persistent Hypoglycemia in Type 2 Diabetes Continued Medical Education Forum April 2014.
- "Diabetes Mellitus Therapy". Caribbean College of Family Physicians Endocrine Disorders Workshop January, 2014.
- "New Frontiers in the Management of Diabetes" at the Pharmaceutical Society of Jamaica's Symposium March, 2014.
- "Disorders of the Pituitary Gland" on three current workshops on October 27, 2013 at the Caribbean Endocrine Society (CARES) Endocrine Workshop
- "The Non Communicable Diseases; the Jamaican Experience" 3rd Annual International Public Health Conference October, 2013.
- Effects of Tobacco on Diabetes Mellitus, Workshop for Capacity

Building on World Diabetes Day November 2013, PAHO Headquarters.

## PAPERS PRESENTED

### Refereed Journal Articles

- **T K McGhie, K DeCeulaer,** CA Walters, **A Soyibo, M G Lee**. Vitamin D levels in Jamaican patients with systemic lupus erythematosus Lupus. Published online 18 March 2014. DOI: 10.1177/09612033 14528556
- **Penn KA, Whittle DO, Lee MG**. Inflammatory bowel disease in Jamaica. *Annals of Gastroenterology* 2013; 26: 1–4.
- **N. Forbes, M. Walwyn**, G Rao, D Ellis, **MG Lee.** Klippel-Trenaunay Syndrome. *West Indian Med J* 2013; 62 (3): 254–256
- **Orimoloye A, Hurlock L**, Ferguson TS, **Lee MG**. Pattern of Energy Drink Consumption and Associated Adverse Symptoms among University Students. *British Journal of Medicine & Medical Research* 2013; 3(4):1900-1909
- **YGR White**, Tuberculosis in HIV: Making Good with What We Have. *West Indian Med J* 2013; 62 (2): 107
- D Stennett, **Y White**, Department of Medicine and Microbiology, Possible Economic Gains from Cancer Research. *West Indian Med J* 2013; 62(3): 169–170.
- TS Ferguson, MK Tulloch-Reid, NOM Younger, **RA Wright-Pascoe**, MS Boyne, SR McFarlane, DK Francis, RJ Wilks. Diabetic Foot Complications among Patients Attending a Specialist Diabetes Clinic in Jamaica: Prevalence and Associated Factors. *West Indian Med J* 2013; 62 (3): 216-223 DOI: 10.7727/wimj.2012.031
- **G Barrow, N Clare-Pascoe**, A Bahadur, U Atkinson, C Browne, **TN Clarke, EN Barton.** A Review of the HIV-infected Homeless Sub-population at the Centre for HIV/AIDS Research, Education and Services, Department of Medicine, University Hospital of the West Indies. *West Indian Med J* 2013; 62 (4): 337–340.

- G Clifford, GM Craig, C McCourt, **G Barrow**. What are the Benefits and Barriers of Communicating Parental HIV Status to Seronegative Children and the Implications for Jamaica? A narrative Review of the Literature in Low/Middle Income Countries. *West Indian Med J* 2013; 62 (4): 357–363
- R Mah-Lee, **G Barrow**. A case of Systemic Cryptococcal Disease in HIV Infection. *West Indian Med J* 2013; 62 (4): 374–376
- **EN Barton**. Personality Disorders. *West Indian Med J* 2013; 62 (5): 381–382
- J Martin, G Walcott, **TR Clarke, EN Barton**, FW Hickling. The Prevalence of Personality Disorder in a General Medical Hospital Population in Jamaica. *West Indian Med J* 2013; 62 (5): 463–467
- **EN Barton**. HIV/AIDS. *West Indian Med J* 2013; 62 (5): 281–282
- **Sargeant T, Harris T, Wilks R,** Barned S, **Galloway-Blake K**, and Ferguson T. Rhabdomyolysis and Dengue Fever: A Case Report and Literature Review Case Reports in Medicine Volume 2013, Article ID 101058, 4 pages. http://dx.doi.org/10.1155/2013/101058
- **Maloney K**. Idiopathic intracranial hypertension as an initial presentation of systemic lupus erythematosus: a case report and review of the literature. *BMJ* case reports 2013 Aug13;pii: bcr2013010223. doi: 10.1136/bcr-2013-010223.
- Barrow CR, **Clare-Pascoe N,** Bahadur A, Atkinson N, Browie **C, Clarke TR, Barton EN.** A review of the HIV infected homeless sub population at the Centre for HIV-AIDS Research and Services, University Hospital of the West Indies. *West Indian Med J* 2013, 62:337-340
- Hickling FW, Martin J, Walcott G, Paisly V, Hutchinson N, **Clarke TR, Barton EN**. The creation and valuation of the Jamaican Personality Disorder inventory. *West Indian Med J* 2013: 62: 389-396.
- Ezinne CC, Yoshimitsu M, **White Y,** Arima N (2014) HTLV-1 Specific CD8+ T Cell Function Augmented by Blockade of 2B4/CD48 Interaction in HTLV-1Infection. *PLoS ONE* 2014;9(2): e87631.

doi:10.1371/journal.pone.0087631

- **Francis-Emmanuel PM,** D S. Thompson, A T. Barnett, C Osmond, CD. Byrne, MA. Hanson, P D. Gluckman,T E. Forrester, and M S. Boyne. Glucose Metabolism in Adult Survivors of Severe Acute Malnutrition *J Clin Endocrinol Metab* 2014:99: 2233–2240
- **KK. Hoe, AK Soyibo**, K. James, **EN Barton**. Prevalence of sexual dysfunction among the patients with end-stage renal disease in Jamaica. *West Indian Med J* 2013 Dec; 62(9):234–239
- **Barrow G,** Barrow C. HIV Treatment as Prevention in Jamaica and Barbados: Magic Bullet or Sustainable Response? *Journal of the International Association of Providers of AIDS Care* 2013 Dec 30. [Epub ahead of print]
- Nwokocha CR, Spence J, **Barton EN**. Cadmium, nicotine and cigarettes: any hypertension paradox? *West Indian Med J* 2013; 62:487-8.

**Abstracts in Peer Reviewed Journal**

- TS Ferguson, MK Tulloch-Reid, NO Younger-Coleman, **RA Wright-Pascoe,** MS Boyne, **AK Soyibo**, RJ Wilks, Chronic Kidney Disease among patients attending a specialist diabetes clinic in Jamaica. *West Indian Med J* 2013; 62(Suppl.6): 27
- **SN Chin,** C Green, G Gordon-Strachan, G Wharfe, An audit of haematology/oncology clinics services at an urban academic hospital in Jamaica. *West Indian Med J* 2013; 62 (Suppl. 6): 54
- **N Clare-Pascoe, MG Lee, T Murphy,** T Ferguson, AM Nicholson, Clostridium difficile-associated diarrhoea (CDAD) at the University Hospital of the West Indies over a six-year period. *West Indian Med J* 2013; 62 (Suppl. 6): 59
- **V. Elliott, A. Chung, M. Hoo Sang,** A. Irvine, J. Smith-Cole, T. Spence, Coronary angiogram and angioplasty at the University Hospital of the West Indies, *West Indian Med J* 2013; 62 (Suppl. 6): 24

- S. Wright, C. Gordon, **M. Lee.** The Stages of Exercise behaviour change of patient with chronic disease. *West Indian Med J* 2013; 62 (Suppl. 6): 46
- **Yohann White, Geoffrey Barrow, Tanya Clarke, Adedamola Soyibo, Andre McGregor,** Dewayne Stennett, Gilian Wharfe, Dwight Lowe, Michelle Hamilton, Monica Smikle, Naomichi Arima, Everard Barton. Profound Immune Exhaustion and Downregulation Of Interleukin-7 Alpha Receptor (CD127) In CD8 and CD4 T-Cell Subsets In Jamaican Patients Co-Infected With Human T- Cell Lymphotropic Virus Type-1 and Human Immunodeficiency Virus Type-1 Despite Normal Or Above Normal CD4 Counts; *Blood* 2013; 122(21):3498.
- TS Ferguson, MK Tulloch-Reid, NO Younger-Coleman, **RA Wright-Pascoe**, MS Boyne, AK Soyibo, RJ Wills. Chronic kidney disease among patients attending a specialist diabetes clinic in Jamaica. *West Indian Med J* 2013; 62 (Suppl 6) 27.
- **R Wright-Pascoe**. Managing Chronic Non-Communicable Disease during Sports. *West Indian Medical J* 2014; 63 (Suppl 1) 35.
- **R Wright-Pascoe**. Chairman's Message to the University of the West Indies Faculty of Medical Sciences 22ND Annual Research Conference and Workshop on "Affairs of the Heart". *West Indian Med J* 2014; 62(suppl.6) 2.

## PUBLIC SERVICE & OUTREACH

**Professor Michael Lee**

– Member, Board of Executive, Food For the Poor

– Chair, Medical Committee, Food For the Poor

– Member, Medical Review Panel Ministry of Health. Jamaica

– Member, Board of the Heart Foundation of Jamaica

– Member, Health and Wellness Tourism Steering Committee, JAMPRO

**Dr. Dwight Whittle**

– Volunteer, Gastroenterology Clinic and procedures, Princess Margaret Hospital, Morant Bay, St. Thomas.

**Professor Everard Barton**

– Renal clinic outreach Mandeville Regional Hospital and St. Ann's Bay Hospital.

– Outreach services to develop renal care services in Tobago and public education on prevention of causative diseases.

– Working with CHEF (Caribbean Health and Education Foundation) to do a Caribbean wide screening for Kidney disease in the English speaking Islands/countries.

– Arranged with Global links for visiting teams of Healthcare professionals to work with local teams in surgery and medicine in Kingston, Manchester and St. Ann.

– Obtaining from Global links (USA) dialysis material: fluid, chemicals, machines which were distributed among University of the West Indies, St. Joseph Hospital and Mandeville Regional Hospital.

**Dr. A. K. Soyibo**

– Outreach to Rural areas: Preventing Life style related disease.

– Education and Policy for Renal Unit in Tobago.

– Renal clinic in two major government hospitals: Mandeville Regional Hospital and St. Ann's Bay Hospital.

– Development of an Operational Policy manual and Haemodialysis Orientation Manual for University Hospital of the West Indies and satellite Units.

– Development of an Operational Policy manual and Haemodialysis Orientation Manual for Tobago Regional Health Authority.

**Dr. Lisa Hurlock**

– Cardiologic evaluation Physician for swimmers for Jamaica

**Professor R. Wright–Pascoe**

- Chairman of the Jamaica National Committee on Non-Communicable Diseases, Ministry of Health
- Member of Council of the Medical Association of Jamaica
- President of the Association of Consultant Physicians of Jamaica
- Chairman of the Board of Management of Central Medical Laboratories.
- Member of the Medical Tribunal Unit of the Medical Council of Jamaica.
- Member of the Ministry of Health Core Technical working Group for the protocol of the Diabetes Manual to review guidelines for the management of Diabetes Mellitus in Jamaica

**Dr. C. Collie**

- Chairman, Board of Directors, Pre-University School, Taylor Hall, UWI, Mona
- Chairman, Board of Directors, Ayrton Distributors Limited

**Dr. M. Lawrence-Wright**

- Treasurer – Caribbean Cardiac Society
- Bustamante Hospital for Children Development Committee, Member

**Dr. G. Barrow**

- Consultancy for UNICEF
- Consultant services for the Elimination of mother to child transmission of HIV and Syphilis.
- Ministry of Health, providing technical support to the National HIV/STI Programme as the Director for the Treatment Care and Support (TCS) component
- Representative to the Country Coordinating Mechanism for the Global Fund Against HIV/AIDS, Tuberculosis and Malaria to Jamaica.

– Member of the Monitoring and Evaluation Reference Group, National HIV/STI Programme.

– Member of the Academic Sub-Committee of the National AIDS Committee.

– Member of the Civil Society Forum of Jamaica.

– Member of the "Most At Risk Population" Technical Working Group, National HIV/STI Programme.

**Dr. T. Clarke**

– Medical Director for the Racers (Usain Bolt's) Running Club

– Member of the Medical Committee for the JAAA

**Dr A. Ali**

– Chair, Caribbean taskforce of the North American Regional Commission on Epilepsy

– Chair of Taskforce for the biennial North American Regional Caribbean Congress on Epilepsy

– Member, International Affairs Commission of the American Epilepsy Society (AES).

– American Academy of Neurology Ambassador to the Caribbean region

– Regional epilepsy and neurology clinics and educational discussions in Tobago, St Lucia and Antigua

**Dr. K. Maloney**

– Vice president Lupus Foundation of Jamaica

**Dr. F. Gayle**

– Jamaica National Health Fund Medical Expert Panel

# DEPARTMENT OF MICROBIOLOGY

**Professor John F. Lindo**, BSc, PhD *UWI*
**Head of Department**

## WORK OF THE DEPARTMENT

The Department of Microbiology continues to provide laboratory diagnostic services in the areas on bacteriology, virology, mycology, immunology parasitology, molecular biology and Fluorescence microscopy. The main client of the department is the University Hospital of the West Indies and we also serve the Ministry of Health especially in the area of virology. The department also serves a small number of private laboratories and other clients. During the period under review a total of 61,398 samples were tested with the heaviest service being bacteriology followed by virology (Table 1).

**Table 1.** Clinical work done in sections

| Service | Number of specimens | Units |
|---|---|---|
| Bacteriology | 30,777 | 1,442,422 |
| Virology | 13,986 | 1,980,012 |
| Enteric/Parasitology | 1,305 | 64,689 |
| Immunology | 7,102 | 244,099 |
| Fluorescence Antibody test | 4,342 | 182,190 |
| Emergency samples | 3,268 | |
| Mycology | 511 | 15,330 |
| Molecular Biology | 107 | 4,815 |
| **Total** | **61,398** | **3,933,557** |

There was no significant change in the number of specimens tested between 2011/2012 and 2012/2013. The only significant increase was seen in the area of virology which saw a 56.06 increase (Table 2).

**Table 2.** Comparison of total specimens by sections

| Section | 2011/2012 | 2012/2013 | Change |
|---|---|---|---|
| Bacteriology | 31,059 | 30,777 | 0.91↓ |
| Virology | 8,962 | 13,986 | 56.06↑ |
| Enteric/Parasitology | 1,330 | 1,305 | 1.88↓ |
| Serology | 7,233 | 7,102 | 1.81↓ |
| Fluorescence Antibody test | 4,324 | 4,342 | 0.42↑ |
| Molecular Biology | 132 | 107 | 12.94↓ |
| Mycology | 495 | 511 | 3.23↑ |
| Emergency | 2,858 | 3,268 | 14.35↑ |

The department has failed to implement an income generation strategy for sustainability by offering its services to private clients.

### BIOSAFETY LEVEL III LABORATORY

Work is almost completed on the construction of Jamaica's first Biosafety Level III laboratory. The last steps are to train the staff in use of the laboratory and to have it certified by a consultant.

### CARIBBEAN MEDICAL MYCOLOGY REFERENCE LABORATORY (CMMRL)

The CMMRL continues to provide improved services to the clinical disciplines with improved turnaround time and the addition of new diagnostic assays. In addition, the laboratory has started to make strides with the undertaking of environmental fungal studies. This includes environmental mold sampling for buildings on the University campus (Mona School of Business and Management) and the University Hospital of the West Indies for surveillance purposes and determination of the need for decontamination of relevant areas.

### NATIONAL INFLUENZA CENTRE

Established in 1952, in the Department of Microbiology, the National Influenza Centre (NIC) Jamaica continues to work in collaboration with National Authorities through the Ministry of Health (MoH) Influenza and International Health Regulation Focal Point. The NIC engages in collaborations with the CDC, the WHO Global Influenza Surveillance and Response System and through the MoH with the PAHO and CARPHA. The NIC continues to contribute to the following national, regional and international weekly publications:

1. Weekly PAHO Influenza Regional Reports (EW 1-52, 2013 to present): http://www.paho.org/hq/index.php?option=com_content&view=article&id=3352&Itemid=2469&to=2246&lang=en

2. Weekly CARPHA reports – (EW 1 to 52, 2013 to present)
3. Weekly Surveillance Bulletin – Jamaica, Surveillance Unit, Ministry of Health (EW 1 to 52, 2013 to present)
4. Weekly WHO FluNet Charts: http://www.who.int/influenza/gisrs_laboratory/flunet/charts/en/

In April 2014 Jamaica was represented by Dr. S Jackson at the WHO Informal Consultation on Improving Influenza Vaccine Virus Selection in Geneva. Such contributions are important to the appropriate selection of antigenic virus compositions for influenza vaccines for the Northern Hemispheres, in which Jamaica grouped.

In May 2014, the NIC Jamaica successfully participated along with 182 laboratories from 142 countries in six WHO regions in the World Health Organization (WHO) External Quality Assessment Programme (EQAP) for the Detection of Influenza Viruses with a turnaround time of 24 hours.

In April 2014, Dr. Jackson was awarded the Certification in Infection Control and Epidemiology (CIC) by the Certification Board of Infection Control in the USA.

## LABORATORY INFORMATION SYSTEM

During the period under review the Central Accessioning Area was completed and commissioned. This allows the recoding of all sample submitted to the laboratories of the UWI to be catalogued, aliquoted where necessary and dispatched to individual laboratories. Work is to commence on moving phlebotomy and cashiering to the CAA which will increase the friendliness of the services to patients. The build of the system is completed and the LIS is being piloted in the laboratories. Preliminary rollout to nursing staff has commenced while training of departmental staff (medical technologists, consultants and residents) has progressed satisfactorily. In the implementation of the system there has been a significant amount of facility upgrade including network cabling and UPS provisioning. The LIS is slated to Go Live before the end of calendar year 2014.

## RESEARCH

We continued our collaboration with University College London's Centre for Clinical Microbiology with the visit of Ms Jennifer Ratner who participated on a project on the molecular diagnosis of zoonotic infections of dogs. This project has significant public health and health tourism implications and the collaboration will continue to build on preliminary results obtained.

The department established new research collaboration with the Department of Ecology and Evolutionary Biology Princeton University to study. The co-PIs were Professors John Lindo and Corina Tarnita and Ms Danielle Martin travelled to Jamaica to undertake studies on the biology of Angiostrongylus cantonensis in Thelidomus aspera which is a major snail host in Jamaica. This formed the basis of her undergraduate thesis

Collaboration between Nicole Christian and Camille-Ann Thoms-Rodriguez from the Faculty of Medical Sciences at the University of the West Indies and six researchers (Dr. Doris Gomez, Dr. Claudio Gomez, Dr. Margarita Ochoa Diaz, Dr. Ronald Maestre, Dr. Jose Pomares, Dr. Javier Bahema, Dr. Angelo Alario Dr. Enrique Mazenett) from the Faculty of Medicine at the University of Cartegena, led to the development of a biomedical research group that is working together to develop research can potentially address health problems faced in Jamaica and Colombia. This research group was born out of the first meeting of the International Network of SUE Caribe – University of the West Indies Caribbean Researchers held in 2014 in Jamaica that resulted in the establishment of research groups that were formed to develop research projects aimed at addressing problems faced in the Caribbean region. They are currently working on projects that will look at the molecular resistance seen in P. aeruginosa isolates obtained from sputum samples in patients diagnosed with cystic fibrosis in Colombia. They will also evaluating the molecular diagnosis of tuberculosis in Caribbean patients using the Gene Xpert machine.

Dr Alison Nicholson continued her collaboration on pneumococcal vaccine coverage in paediatric and adult populations in Jamaica.

## POSTGRADUATE TRAINING

The department has the following postgraduate students on register:

MSc – 12

MPhil – 3

PhD – 2

DM – 5

Ms Tiffany Butterfield was awarded a postgraduate scholarship.

## PAPERS PRESENTED

- **Anzinger J,** Zhou J, Lam L, McCune J, Crowe S, Palmer C. Glut1 expressing intermediate monocytes are elevated in cART-treated and untreated HIV-1+ subjects. 20th International AIDS Conference. July 2014, Melbourne, Australia.
- **Anzinger J,** Glut1 expression on intermediate monocytes is a potential marker of inflammation in HIV-positive subjects. UWI, Mona Faculty of Medical Sciences 22nd Annual Research Conference and Workshop. Kingston, Jamaica; 2013.
- **Thoms-Rodriguez C**, R Hardie, G Reynolds-Campbell, Y Rodriguez, A Nicholson: Epidemiology of diabetic foot infections at the University Hospital of the West Indies, 2012 . *West Indian Medical Journal.* 2013; 62 (Suppl. 6) page 45–46. (POSTER PRESENTATION at the 22nd Annual Faculty of Medical Sciences (FMS) Research Conference and Workshop on Affairs of the Heart, Kingston, Jamaica, November 2013)
- R Hardie, AM Nicholson, JP Walker, GJA Stevens, G Reynolds-Campbell, **Thoms-Rodriguez C**: Production of Betalactamase in common urinary pathogens at the University Hospital of the West Indies. *W Indian Med J* 2013; 62 (Suppl. 6) page 56. (POSTER PRESENTATION at the 22nd Annual Faculty of Medical Sciences (FMS) Research Conference and Workshop on Affairs of the Heart, Kingston, Jamaica, November 2013)

- AM Nicholson, JP Walker, R Hardie, G Reynolds-Campbell GJA Stevens, K Roye-Green, **Thoms-Rodriguez C.** Antibiotic susceptibility patterns of bloodstream isolates over a six month period at the University Hospital of the West Indies, Jamaica.*W Indian Med J* 2013; 62 (Suppl. 6) page 58. (POSTER PRESENTATION at the 22nd Annual Faculty of Medical Sciences (FMS) Research Conference and Workshop on Affairs of the Heart, Kingston, Jamaica, November 2013).
- **Foster AN, Nicholson AN**, Detchvijitr D, Good CE, Antoine M,. Richards-Dawson M, M JacobsR Streptococcus pneumoniae Serotype Distribution and Antimicrobial Susceptibility in Jamaican Children,
- Nation N, ST **Jackson,** D Eldemire-Shearer, A Klimov, N Cox, M Bullock-DuCasse, S Jackson, Q Simmons. Influenza vaccine composition and circulating influenza viruses in Jamaica, 2010 to 2012. Annual Research Conference and Workshop on Affairs of the Heart. *West Indian Medical Journal.*Vol 62 (Suppl. 6) November 2013.
- S Jackson, D Eldemire-Shearer, K James, M Bullock-DuCasse .Influenza viremia and its significance among Jamaican patients, 2009 to 2012. Annual Research Conference and Workshop on Affairs of the Heart. *West Indian Medical Journal.*Vol 62 (Suppl. 6). November 2013.
- S Jackson, E Williams, S Holder, C Vanderpool K Collins, H Robertson, P Morgan, R Kanneganti, A Howell, H Williams, J Barnett. The economic burden of Dengue at the University Hospital of the West Indies, 2006 to 2012 . Annual Research Conference and Workshop on Affairs of the Heart. *West Indian Medical Journal.*Vol 62 (Suppl. 6). November 2013.
- S Jackson, D. Eldemire-Shearer, D M Bullock-DuCasse, K James, K Collin, H Williams. Evaluating the disease burden of influenza among Jamaican children during 2012. Ministry of Health Annual Research Conference, November 2013. Jamaica
- S Jackson, K James, D. Eldemire-Shearer,T McCartney, D M Bullock-DuCasse. Evaluation of Influenza Pandemic Preparedness

among Jamaican Doctors. Ministry of Health Annual Research Conference, November 2013. Jamaica

- T Rhoden, ST Jackson, W McLaughlin, D Soares, JF Lindo. Molecular detection of Toxoplasma gondii in patients presenting with neurological manifestations in Jamaica. Annual Research Conference and Workshop on Affairs of the Heart. *West Indian Medical Journal*. Vol 62 (Suppl. 6) . November 2013.
- T Rhoden, ST Jackson, W McLaughlin, D Soares, JF Lindo Genetic Diversity of Toxoplasma gondii in patients with Neurotoxoplasmosis in Jamaica. Annual Research Conference and Workshop on Affairs of the Heart. *West Indian Medical Journal*. Vol 62 (Suppl. 6). November 2013.

## PUBLICATIONS

### Refereed Journal Articles

- Freeman SR, Jin X, **Anzinger JJ,** Xu Q, Purushothaman S, Fessler MB, Addadi L,Kruth HS. ABCG1-mediated generation of extracellular cholesterol microdomains. J Lipid Res. 2014 Jan;55(1):115-27. doi: 10.1194/jlr.M044552. Epub 2013 November 8.
- **Anzinger JJ,** Butterfield TR, Angelovich TA, Crowe SM, Palmer CS. Monocytes as regulators of inflammation and HIV-related comorbidities during cART. *J Immunol Res.* 2014;2014:569819. doi: 10.1155/2014/569819. Epub 2014 June 12.
- Fonjungo PN, Kalish ML, Schaefer A, Rayfield M, Mika J, Rose LE, **Heslop O**, Soudré R, Pieniazek D. Recombinant viruses initiated the early HIV-1 epidemic in Burkina Faso. PLoS One. 2014 Mar 19;9(3):e92423. doi:10.1371/journal.pone.0092423. eCollection 2014.
- **Heslop OD, Roye-Green K,** Coard K, Mulvey MR. A unique strain of community-acquired Clostridium difficile in severe complicated infection and death of a young adult. *BMC Infect Dis*. 2013. 1;13:299. doi:10.1186/1471-2334-13-299.

- Evans-Gilbert T, **Lindo JF**, Henry S, Brown P, Christie CD. Severe eosinophilic meningitis owing to Angiostrongylus cantonensis in young Jamaican children: case report and literature review. *Paediatr Int Child Health.* 2014 May;34(2):148-52. doi: 10.1179/2046905513Y .0000000106.
- **Lindo JF**, Brown PD, **Vickers I, Brown M, Jackson ST**, Lewis-Fuller E. Leptospirosis and malaria as causes of febrile illness during a dengue epidemic in Jamaica. *Pathog Glob Health.* 2013 September;107(6):329-34. doi: 10.1179/2047773213Y.0000000112.
- Whittle DO, Williams NP, **Nicholson AM**, King-Robinson K, Kirsch R, Riddell R, Mazzulli T, Lee MG. Whipple's Disease in an Afro-Caribbean National. *West Indian Med J*. 2014 January 6;63(1):106–108. doi: 10.7727/wimj.2012.220.
- Reyes-Batlle M, **Todd CD,** Martín-Navarro CM, López-Arencibia A, Cabello-Vilchez AM, González AC, Córdoba-Lanús E, **Lindo JF,** Valladares B, Piñero JE, Lorenzo-Morales J. Isolation and characterization of Acanthamoeba strains from soil samples in Gran Canaria, Canary Islands, Spain. *Parasitol Res.* 2014 Apr;113(4):1383-8. doi: 10.1007/s00436-014-3778-z. Epub 2014 January 22.
- Fletcher SM, Lewis-Fuller E, Williams H, Miller Z, Scarlett HP, Cooper C, Gordon-Johnson KA, **Vickers I,** Shaw K, Wellington I, Thame J, Pérez E, Indar L. Magnitude, distribution, and estimated level of underreporting of acute gastroenteritis in Jamaica. *J Health Popul Nutr.* 2013 December 31(4 Suppl 1):69-80.
- White YG. Tuberculosis in HIV: making good with what we have. *West Indian Med J.* 2013;62(2):107–108a.
- Stennett D, **White Y.** Possible economic gains from cancer research. *West Indian Med J.* 2013;62(3):16–70. *PubMed* PMID: 24564033.
- Ezinne CC, Yoshimitsu M, **White Y**, Arima N. HTLV-1 specific CD8+ T cell function augmented by blockade of 2B4/CD48 interaction in HTLV-1 infection. *PLoS One*. 2014 Feb 5;9(2):e87631. doi: 10.1371/journal.pone.0087631. eCollection 2014.

- Yoshimitsu M, White Y, Arima N. Prevention of human T-cell lymphotropic virus type 1 infection and adult T-cell leukemia/lymphoma. *Recent Results Cancer Res*. 2014;193:211-25. doi: 10.1007/978-3-642-38965-8_12. Review.
- White Y, Yoshimitsu M, Kozako T, Matsushita K, Koriyama C, Uozumi K, Suzuki S,Kofune H, Arima N. Effects of exogenous interleukin-7 on CD8(+) T-cell survival and function in human T-cell lymphotropic virus type 1 infection. *Leuk Lymphoma*. 2013 Oct;54(10):2243-50. doi: 10.3109/10428194.2013.772174. Epub 2013 Mar 8.

## INCOME GENERATION/GRANTS

### Grants Obtained

1. National HIV/STI programme, Ministry of Health, Jamaica, "Laboratory Strengthening Grant", US$51,374.00. 2014 (Investigators JF Lindo, JJ Anzinger, N Christian and C. Thoms-Rodriguez).
2. National HIV/STI programme, Ministry of Health, Jamaica, "Vaginal Lactobacillus capture of HIV", US$21,507.51. (Principal Investigator. JJ Anzinger, 2014)

## PUBLIC SERVICE

**Dr Kristian Angeby**

– Member, International Union Against Tuberculosis and Lung Disease
– Member, European Society of Mycobacteriology
– WHO TBTEAM expert in the field of laboratory strengthening.

**Professor John Lindo**

– Membership Chair, Rotary Club of New Kingston
– Member, American Society of Tropical Medicine and Hygiene
– Member, Inter-American Development Bank Civil Society Consulting Group (ConSOC)

**Dr Sandra Jackson**

– Member, Ministry of Health's IHR Technical Advisory Group of Experts

– Member, Pandemic Preparedness Committee

– Member, American Biological Safety Association

**Professor Monica Smikle**

– Member, Lions Club of Mona

# DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

**Dr. Carole Rattray**, MBBS, DM (O&G), FRCOG, FACOG
**Head of Department**

## WORK OF THE DEPARTMENT

The department continues to make great strides in Teaching and Research & Service activities. We had our inaugural new format MBBS Clinical examinations (OSCE) across all 4 campuses in May/June 2014 and this was a success. Our Associate Lecturers from our affiliate accredited hospitals of Cornwall Regional Hospital, Mandeville Regional Hospital, Spanish Town Hospital and Victoria Jubilee Hospital & The May Pen Hospital continue to give indispensible support to the department as the numbers of undergraduate students continue to grow.

Our services include general Obstetrics and Gynaecology, Reproductive endocrinology, Gynaecological Oncology, Perinatal services and Assisted Reproduction.

### 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 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 Drs. Leslie Samuels and Cathy Maddan who also teach undergraduate and postgraduate students as well as midwives in training.

### Oncology Unit

Dr Taylor & Dr. Bambury are the two trained gynaecological Oncologists in the department and together with Dr. Rattray & Dr Mitchell, form the Gynaecological Oncology Team. They are assisted by Sister Murdoch and her team of nurses as well as administrative secretary Miss Thompson. Residents rotate through the unit spending 2 months in the Colposcopy and 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 in following patients post surgery, post chemotherapy and radiation therapy. The Unit also has facilities for teaching both undergraduate and postgraduate students.

### Fertility Management Unit

Professor Joseph Frederick is the director of the Unit with Drs. Shaun Wynter, Vernon DaCosta, John Harriott, Loxley Christie and Sharifa Frederick as clinicians and Dr. Audrey Pottinger and Sister McKenzie as counselors. Two other staff members in the programme 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.

The official opening of the renovated Hugh Wynter Fertility Management Unit took place in November 2013. This state of the art building is now fully functional. It houses two operating suites equipped with a surgical robot, a lecture theatre and new in vitro fertilisation laboratories. This new unit will have facilities for video conferencing allowing for the transmission of live surgical procedures to other campuses in the Caribbean.

## STAFF

**Professor Horace Fletcher**

- Also holds the position of Dean of the Faculty of Medical Sciences. Continues to make a significant contribution to research within the Department

**Dr S Kulkarni**

- Senior Lecturer, Head of Firm B – High Risk Obstetrics Team. Teaching both Undergraduate & Postgraduate students
- Architect for change to the new Modular Postgraduate System of Teaching & Learning

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 (completed ½ of total 16 module course June 2014)

2) Module developer-Audits module April–June 2014

3) Implementation of module exams and OSCE at all training sites including the Bahamas (June 2014)

**Dr Shaun Wynter**

- Senior Lecturer, Teaching both Undergraduate & Postgraduate students. I applied to the CHASE fund and got funds to purchase a virtual realty laparoscopic simulator 'LapSim' from Surgical Science, Goteborg, Sweden to set-up the Skills Lab in the HWFMU on October1, 2013.
- **Research:** The lecturers on Firm A (Dr V DaCosta, Dr J Harriott, Dr L Christie, Dr. S Frederick and I) have been having research group meetings, in the time period under review resulting in 3 publications.
- **Staff training**: Co-ordinator of the Tuesday afternoon seminars in the FMU, where fertility management related topics are presented for staff improvement.
- **Service:** Member of the IVF team in the Fertility Management Unit – responsible for egg recovery, embryo transfer, surgical sperm retrieval among other duties.

**Dr. Carole Rattray**

- Senior Lecturer. A member of the Gynaecological Oncology Team. Teaching both Undergraduate & Postgraduate Students
- University Examiner for the Inaugural running of new format clinical examinations across all 4 UWI campuses in May/June 2014.

**Dr. Vernon. DaCosta**

- Lecturer. Teaching both Undergraduate & Postgraduate Students. Primary responsibility is in the Fertility Management Unit.

**Dr. Sharmaine Mitchell**

- Lecturer. A member of the Gynaecological Oncology Team. Teaching both Undergraduate & Postgraduate Students. The primary advocate for Undergraduate students and conducts revision sessions for the MBBS examinations.
- Departmental Representative on the University Hospital Pharmacy committee

**Dr. Nadine Johnson**

- Lecturer. Teaching both Undergraduate & Postgraduate Students
- The principal Materno-Fetal Medicine Specialist in the Department with responsibilities for conducting and Teaching Obstetric Ultrasound.

**Dr. Donnette Simms-Stewart**

Lecturer. Work in the Department (General)

1. Coordinator of the Urogenital module for medical students
2. Revision lessons and examination of CAMC students
3. Teaching and conduct of seminars for medical students
4. Teaching and conduct of seminars for postgraduate student
5. Conduct lectures and seminars for midwives
6. Conduct of clinico-pathological conferences – CME accredited
7. Planning of annual perinatology conference

**Teaching**

- Undergraduate – Head of Urogenital Module for undergraduate students
- Postgraduate – Convenor of Postgraduate Module in Maternal physiopathology in pregnancy

**Dr Ian Bambury**

- Lecturer
- Member of the FIRM C Oncology team, providing services to oncology patients across the island of Jamaica.
- Teaching Undergraduate & Postgraduate students
- Departmental representative on the Committee for Graduate Studies

**Dr. John Harriott**

- Lecturer
- Teaching both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit.
- Departmental Representative on the University Ethics Committee

**Dr. Loxley Christie**

- Lecturer
- Teaching both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit.
- Departmental Representative on the University Hospital Accident & Emergency Committee

**Dr. Sharifa Frederick**

- Associate Lecturer
- Teaching both Undergraduate & Postgraduate Students
- Primary responsibility is in the Fertility Management Unit.

**Dr. Leslie Samuels**

- Associate Lecturer
- Teaching both Undergraduate & Postgraduate Students
- Responsible for the preparation of DM 1 candidates for examinations
- The Consultant in charge of the Labour and Delivery suite and the Postnatal Services and champion in the renovation of the Labour Ward.

**Dr. Matthew Taylor**

- Associate Lecturer
- Teaching both Undergraduate & Postgraduate Students

- The Chairman of the OSCE Committee with responsibilities for creating, collecting, vetting OCE questions and implementation of end of clerkship OSCE examinations for both Junior & Senior clerkships in Obstetrics & Gynaecology.

**Dr. Cathy Maddan**

- Associate Lecturer
- Teaching both Undergraduate & Postgraduate Students
- Labour Ward & the Postnatal Services Consultant and champion of Maternal Mortality & Near Miss Morbidities Audit

**Dr. Talianne Titus**

Associate Lecturer

- Teaching both Undergraduate & Postgraduate Students
- Materno-fetal Medicine Specialist and member of the OSCE Committee with responsibilities for creating, collecting, vetting OCE questions and implementation of end of clerkship OSCE examinations for both Junior & Senior clerkships in Obstetrics & Gynaecology.

## RESEARCH IN PROGRESS

**Dr C. Rattray**

- Sublingual Misoprostol and Routine Third Stage Prophylaxis for the prevention of Postpartum Haemorrhage: A Multicentre Randomized Controlled Clinical Trial.

**Dr I. Bambury**

- Diabetes and Endometrial cancer in A Jamaican Cohort
- The attitudes of males towards receiving the HPV Vaccine

**Dr. D. SimmsStewart**

- Folic Acid Clinical Trial (FACT trial)
- Twin Birth Study (phase 2)

**Dr S. Wynter**

- Letrozole versus microdose flare protocol for poor responders: A prospective study amongst Jamaican women.
- Sperm Recovery and IVF in Patients after Surgical Sperm Retrieval under Local Anesthesia in a Jamaican Cohort
- Collaborating with Dr J Anzinger in the Department of Microbiology on the research project looking at the in-vitro interaction of human Lactobascili and HIV recruiting volunteers and taking vaginal swabs.
- "Vaginal lactobascillus capture of HIV"

**Dr. C. Maddan**

- An Audit of The Near Miss Morbidities at the UHWI 2013-2015

## RESEARCH COMPLETED (AWAITING PUBLICATION)

**Dr. C. Rattray**

- A Randomized Controlled Trial on the Effect of Sino-implant (II) Use on Condom Use among Women in Kingston, Jamaica. Collaboration with CDC.

**Dr. D. Simms Stewart**

- Review of Cervical Cerclage over a five year period at the University of the West Indies
- Malignant Mixed Mullerian Tumour of the Fallopian Tube associated with massive haemoperitoneum and haematometria – A case presentation
- Profiles of women with pelvic organ prolapse at the University Hospital of the West Indies-risk factors and presentation
- Risk factors and maternal and perinatal outcome associated with early onset versus late onset preeclampsia at the University Hospital of the West Indies. Income Generation: External Research Funding and Grant Support

**Research funding: Dr Simms Stewart**

– Twin Birth Study – US$ 60,000

– FACT trial – US$10,000

## PAPERS/POSTERS PRESENTED AT SCIENTIFIC MEETINGS

- Cathy Maddan, Santosh Kulkarni. Trends in Maternal Mortality at the UHWI A Ten Year review. Faculty of Medical Sciences Research Day.
- Cathy Maddan. Sexual Dysfunction in Women after Colposcopy at the UHWI. Faculty of Medical Sciences Research Day.
- Santosh Kulkarni & Suzet Boothe-Dalling Leroy Campbell: Partographic analysis of prostaglandin stimulated labour at UHWI and VJH. Faculty of Medical Sciences Research Day.
- Ian Bambury. Screening for Ovarian Cancer" ACOG West Indies Section Symposium, April 13, 2014
- Johnson N, Taylor-Christmas A, Chatrani V, Choo – Kang E, Smikle M, Wright-Pascoe R, Phillips K, Reid M. Obstetric Outcomes of an Afro-Caribbean Cohort Following Universal Screening and Treatment of Subclinical Hypothyroidism During Pregnancy. International Society of Obstetric Medicine. 2014. New Orleans (accepted)
- Johnson N, Chatrani V, Taylor-Christmas A, Choo – Kang E, Smikle M, Wright-Pascoe R, Phillips K, Reid M. Population Reference Values and Prevalence Rates Following Universal Screening for Subclinical Hypothyroidism During Pregnancy of an Afro-Caribbean Cohort. International Society of Obstetric Medicine Meeting. 2014. New Orleans (accepted).
- Wynter, S. "Ovarian Hyperstimulation Syndrome and other complications of Assisted Reproductive Technologies" ACOG West Indies Section Conference, Jamaica Pegasus, April 14, 2014.

## INTERNATIONAL VISITORS TO THE DEPARTMENT

Prof. Akinyinka Omigbodun: Univ. of Ibadan, Nigeria. External examiner May/June 2014

Dr Karolynn Echols – Urogynaecologist (November annually since 2009)

## CONTRIBUTION TO UWI AND PUBLIC SERVICE

**Dr. S Kulkarni**

– Jamaica MOH Maternal Mortality audit Committee

– Jamaica MOH Patient Affairs Audit Committee

**Dr Nadine Johnson**

– Co-organizer of annual perinatal conference.

**D. Simms Stewart**

– Health Fair (Women Issues) – Andrews Adventist Church

**S. Wynter**

– Endometriosis awareness Lecture seminar to schools HWFMU outreach collaboration with BASE Foundation – Denham Town High

– Nationwide radio program on the topic of Endometriosis on Thursday June 26 at 10:00. The radio host was Mr. Vernon Derby on his 'At Your Service' program.

## BOOKS & BOOK CHAPTERS

### Book Chapters

- **Fletcher H.** "Uterine fibroids", chapter 9 pages 129–132. *The New Textbook of Gynaecology.* Editors Bharat Bassaw and Horace Fletcher Published by The Multimedia Production Centre, School of Education, Faculty Humanities and Education St Augustine Trinidad 2013.

- **Fletcher H.** "Infections in Gynaecology", chapter 11 pages144–156 *The New Textbook of Gynaecology.* Editors Bharat Bassaw and Horace Fletcher Published by The Multimedia Production Centre, School of Education, Faculty Humanities and Education St Augustine Trinidad 2013.
- **Fletcher H.** "Diseases of the Vulva," chapter 17 pages 226–236 *The New Textbook of Gynaecology.* Editors Bharat Bassaw and Horace Fletcher Published by The Multimedia Production Centre, School of Education, Faculty Humanities and Education St Augustine Trinidad 2013.

**Books**

- *The New Textbook of Gynaecology.* Editors Bharat Bassaw and Horace Fletcher. Published by The Multimedia Production Centre, School of Education, Faculty Humanities and Education St Augustine Trinidad 2013

**PUBLICATIONS**

- Fletcher, HM., Wharfe G., Williams N. P., Gordon-Strachan G. Johnson P. Renal impairment as a complication of uterine fibroids: A retrospective hospital-based study. *Journal of Obstetrics and Gynaecology,* 2013 May;33(4):394–8
- Fletcher H, Bambury I, Williams M. Post-coital posterior fornix perforation with peritonitis and haemoperitoneum. *Int J Surg Case Rep.* 2013;4(2):153–5.
- Simms-Stewart D, Hunter T, Fletcher, H, DaCosta V, Walters C, Reid M. Comparison of Ultrasonographic Estimated Fetal Weight and Actual Birth weight Performed by Residents in Training at the University Hospital of the West Indies. *West Indian Medicial Journal* 2013 Dec;62(9):829–32
- D. Simms-Stewart, G. Mcdonald, H. Fletcher, M. Bromfield, N. Williams, I. Bambury, K. James. A review of molar pregnancy at the

University Hospital of the West Indies over a 16-Year period. *Journal of Obstetrics and Gynaecology*, 2013;33:298–300

- Fletcher, HM, Bennett F, Simms-Stewart D, Reid M, Williams NP, Wharfe G. Bone Mineral Density in Jamaican Black Women after Hysterectomy and Bilateral Oophorectomy: An Observational Study. *West Indian Medicial Journal* 2013 Sep;62(7):593–8
- Brown D , Fletcher, H Use of mediolateral cervical clamping to control postpartum hemorrhage. *Int J Obstetrics and Gynecology*. 2013 November 123(2):164–5.
- Bambury I. HPV and HPV Vaccine Awarness. Where are we? *West Indian Medicial Journal* 2013 Nov; 62(8):683–4.
- Bambury I, Mullings A, Fletcher, H, Johnson N, Tulloch-Reid M. Cervical Intraepithelial Neoplasia in a cohort of HIV-Positive women at The University Hospital of the West Indies: Management and Outcome. *West Indian Medicial Journal* 2013 62:313–17.
- Vaillant, A. J.; Bazuaye, P.; McFarlane-Anderson, N.; Smikle, M. P.; Fletcher, H.; Akpaka, P. E. Association between ABO blood type and cervical dysplasia/carcinoma in Jamaican women. *British Journal of Medicine and Medical Research* 2013 Vol. 3 No. 4 pp. 2017–2021
- Shamir O Cawich, MBBS, DM; Santosh Kulkarni, MBBS, FRCOG; Michael Ramdass, MBBS, FRCS; Dale Hassranah, MBBS, FRCS; Ian Bambury, MBBS, DM; Loxley R Christie, MBBS, DM; Vijay Naraynsingh, MBBS, FRCS. An Audit of Clinician Compliance with Best Practice Recommendations to Repair Severe Obstetric Anal Sphincter Injuries. *The Permanente Journal Summer* 2014 vol 18 No. 3, 27–31.
- Jon F.R. Barrett, Mary E. Hannah, Eileen K. Hutton, Andrew R. Willan, Alexander C. Allen, B. Anthony Armson, Amiram Gafni, Joseph, Dalah Mason, Arne Ohlsson, Susan Ross, J. Johanna Sanchez and Elizabeth V. Asztalos, for the Twin Birth Study Collaborative Group* (Principal site investigator). A Randomized Trial of Planned

Cesarean or Vaginal Delivery for Twin Pregnancy. A Randomized Trial of Planned Cesarean or Vaginal Delivery for Twin Pregnancy. N Engl *J Med* 2013Oct(14); 369:1295–1305

- Windrim R, Robinson NT, Johnson N, Ryan G. Letter to the editor: Communications. Media and Invasive Perinatal Procedure Mentorship. *J Obstet Gynaecol Can*. 2013 Nov; 35(11):977–8.

**EDITORIAL BOARD MEMBERSHIP AND OTHER RESEARCH RELATED ACTIVITIES**

Fletcher H. *West Indian Medical Journal*

*Journal of Obstetrics and Gynaecology* (UK)

*International Journal of Obstetrics and Gynaecology* (USA)

*Obstetrics and Gynecology (Green Journal)* (USA)

# DEPARTMENT OF PATHOLOGY

**Dr. Gilian Wharfe**
**Head of Department**

The Department of Pathology saw the changing of the guard on August 1, 2013, from Professor Carlos Escoffery to Senior Lecturer, Dr. Gilian Wharfe who previously headed the Sub-Department of Haematology. Professor Escoffery must be commended for his six years of stewardship during a period of financial constraints. He, however, was able to refurbish and expand the infrastructure and obtain much needed equipment such as computers and microscopes. His achievements are essential particularly as we have attracted a growing number of postgraduate candidates and seek international accreditation.

Dr. Wharfe now heads a staff complement of approximately 100 persons comprising 5 Professors, 6 Senior Lecturers, 7 Lecturers, 1 shared Lecturer (with Medicine) 2 Associate Lecturers and other categories of staff comprising medical and laboratory technologists, miscellaneous administrative, secretarial and clerical staff, research nurse, medical photographers, laboratory attendants, and office attendants.

The core of the Department's work involves teaching, research and service and is carried out through the various subdepartments and units, the major ones being Anatomical Pathology (Autopsy, Cytogenetics, Cytology, Histology, Immunohistochemistry), Chemical Pathology and Haematology (Blood Bank, Flow Cytometry and Routine Haematology).

## WORK OF THE DEPARTMENT

### Laboratories and Autopsy Service

The financial constraints faced by the University continues to hamper the work of the department as there is a constant shortage of reagents and other important supplies necessary for the efficient functioning of the Department. Credit hold from suppliers continue to hamper the Department's work and will definitely make accreditation impossible. It also hampers the ability to earn revenue from laboratory services.

The fees collected from patients help to supplement the UGC budget, but the amounts are still woefully inadequate as currently we are only able to collect out-patient fees and some sections, Anatomic Pathology in particular will have most of their revenue generated from in-patient work.

Despite the shortcomings, the laboratories and autopsy services continued to provide invaluable support to the care of the in- and outpatients of the UHWI, as well as to patients from other medical facilities and institutions, both national and regional.

The Histopathology Laboratory accessioned and processed 8,742 surgical cases which generated 45,455 tests (including routine histology and immunohistochemical requests). The Cytology Laboratory processed 4,609 pap smears and 736 non-gynaecological cases. A total of 190 autopsies were performed, including 30 perinatal autopsies. The Chemical Pathology Laboratory performed a total of 764,444 tests while Routine Haematology Laboratory received and processed 138,110 specimens. The Blood Bank processed 3490 blood donors and performed 29,247 tests.

The process for accreditation of our laboratories continues in earnest but without the appointment of a Quality Manager to lead, coordinate and monitor the process our efforts are greatly stymied rendering us unable to attract international collaborators on research projects.

The international standard for accreditation is CAP and this is the goal that the department seeks to have for accreditation.

### Laboratory Information System

The full implementation of the Laboratory Information System (LIS) is near completion with three (Blood Bank, Haematology and Chemical Pathology) of the five labs almost fully utilizing the system while two (Histology and Cytology) are still having challenges.

## TEACHING & LEARNING

### Undergraduate Programmes

The Department continued to be very heavily involved in the teaching of all aspects and sub-specialties of Pathology in both Stages I and II of the MBBS programme. Dr Elaine Williams continued as our Departmental Academic Administrator of Undergraduate Affairs, overseeing and coordinating all aspects of medical student education in the Department, including Clerkship coordination, as well as representing us on the Stage I & Stage II Committees, Assessment & Examination Committee and the Curriculum Committee.

Our lecturers continued to perform their assigned tasks commendably and achieved consistently high positive feedback ratings from the medical students.

Elective students also came to the Department during their training.

### Graduate Programmes

The DM Programmes in Pathology are becoming more and more attractive with Anatomical Pathology which had a record number enrolled

(18), necessitating an active cap on enrollment. One resident has successfully completed the programmes and others are progressing well. The candidate who completed training has been awarded a fellowship position at the Toronto General Hospital. The training has been sponsored by UWI through the Dean's office.

Dr Nadia Williams continued as the Director of the Post Graduate (DM) Programme in Anatomical Pathology and Section Representative on the FMS Committee for Graduate Studies. Other members of the graduate studies committee are Drs. G. Wharfe and D. McGrowder. Dr. Williams continued the restructuring of the DM programme which included:

- Interviews for selection of candidates for post graduate training in Anatomical Pathology
- The "End of First Year Aptitude" Evaluation, continuing to ensure that Residents progressing in the programme have the necessary skills and aptitude to complete the programme
- Updating of the core curriculum for the DM Pathology programme
- Updating of the regulations for the DM Pathology programme
- Improved rate of completion of Supervisors' 6-monthly Resident Evaluation Forms
- Rotations of Fourth Year Residents to the Cornwall Regional Hospital, Department of Pathology and the National Public Health Laboratory with the mutually beneficial effects of broadened experience for the Residents and assistance and elevation of the level of academia for the service institution
- Reorganization and reactivation of Journal Clubs as bi-monthly conferences
- Forensic Pathology Electives – As a direct benefit from the inaugural International Forensic Medicine Conference, May 26–27, 2012 hosted by the Pathology Department, in association with Dr Michael Pollanen of the Centre for Forensic Science & Medicine at the University of Toronto, Residents with special interest in Forensic Pathology have

been able to obtain observerships at the Office of the Chief Coroner and Ontario Forensic Pathology Services.

Several members of staff were involved in the supervision and teaching of MPhil, MSc and PhD candidates registered in the Department of Basic Medical Sciences, as well as teaching postgraduate students in the DM Surgery, DM Psychiatry and DM Internal Medicine Programmes.

The DM Programme in Haematology/Oncology has ten registered candidates. Unlike previous years, a number of candidates have received Government sponsorship for their training. This is commendable as it means that these persons will be employed post completion of their degree and so facilitate the teaching of Haematology Oncology at sites other than UHWI.

The DM in Chemical Pathology has one trainee.

## RESEARCH & INNOVATION

### Jamaica Cancer Registry

The registration of cancers continues, with the registrars having now finalized the collection of cases for the 5-year period 2008–2012. Verification of these cases by pathologists in the cancer registry, in preparation for the next 5-year cancer incidence report (2008–2012), has commenced, and should be completed by the end of 2014, at which time data analysis will begin.

### International Agency for Research on Cancer (IARC) Commitments

The International Agency for Research on Cancer (IARC) published the electronic version of the tenth volume of "Cancer Incidence in Five Continents", which covers the period 2003–2007, in October 2013, and the print version will be published in late 2014. The Jamaica Cancer Registry (JCR) submitted data for Jamaica for this time period, which appears in this publication.

IARC is still analyzing data submitted from various countries for publication in the third volume of "International Incidence of Childhood Cancer".

### Personnel

Ms. Nadeen Waugh, Senior Registrar, resigned in December 2013 and efforts are being made to employ a new registrar to work along with Mrs. Dawn McNaughton, Registrar.

### Research

The epidemiology of specific cancers is also analyzed and published by the registry, with the most recent publication being that on Childhood Malignancies.

The JCR also continues to support the Elective programme in the undergraduate M.B.,B.S. curriculum, accommodating medical students, who participate in supervised research projects.

Two of these students, Ms. Auvarhenne Howell and Mr. Jason Lofters presented posters of their research papers entitled "Renal malignancies in Jamaica: a 30-year review" and "A review of salivary gland malignancies in Jamaica: 1978–2007", at the Annual Research Conference of the Faculty of Medical Sciences at UWI, Mona in November 2013, and were awarded the JACP Prize for the Best Presentation of a Research Conducted in Pathology.

In July 2014, another elective medical student Mr. Brian Kazaara, embarked on a research project concerning gastric cancer. Data collection is still in progress at the time of this report.

In keeping with tradition, the Registry continued to provide information on cancers to members of the medical community, the Ministry of Health, and to assist in various research projects.

## CONFERENCES, WORKSHOPS, COURSES

### Poster presentations

Howell A, Lofters J, **Gibson TN, Hanchard B, McNaughton DP, Waugh NE.** Renal malignancies in Jamaica: a 30-year review (Abstract). *West Indian Med J* 2013; 62 (Suppl 6): 54

Lofters J, Howell A, **Gibson TN, Hanchard B, McNaughton DP, Waugh NE**. A review of salivary gland malignancies in Jamaica: 1978 – 2007 (Abstract). *West Indian Med J* 2013; 62 (Suppl 6): 55

### Publications

**Bishop KL, Hanchard B, Gibson TN, Lowe D, McNaughton D, Waugh N**, Akimbebe A. Incidence of childhood cancer in Kingston and St. Andrew, Jamaica, 1983–2002. *West Indian Med J* 2013; 62: 575-81

**Hanchard B.** Cancer Incidence in Jamaica (2003–2007). In: Forman D, Bray F, Brewster DH, Gombe Mbalawa C, Kohler B, Piñeros M, Steliarova-Foucher E, Swaminathan R, Ferlay, J, eds. *Cancer Incidence in Five Continents,* Vol. X. Lyon: IARC, 2013. http://ci5.iarc.fr

### Jamaica Colorectal Cancer Registry

The Jamaica Colorectal Cancer Registry was established, in collaboration with Dr. J. Plummer from the Section of Surgery, UWI and Drs G. Wharfe and S. Chin from the Department of Pathology. There will be collaboration where necessary with Dr. Steven Gallinger, Senior Research Scientist at the University of Toronto, Canada. A grant of JD$1.5M was approved.

### UHWI Childhood Cancer Registry

The Caribbean Sick Kids initiative for the treatment of cancer and blood disorders in paediatrics has started with the hiring of a research nurse. This will facilitate the documentation of these disorders in children, assist in diagnosis of difficult cases as well as in the management of these cases with twice monthly rounds. This is funded by the Sick Kids Foundation in Toronto and will run for 5 years. This project will also fund the cost of flow cytometry in children with leukaemia so facilitating the capture of all cases islandwide as well as reduce the spending by the department for the cost of the relevant reagents. The initiative also saw the training of technical and medical staff in flow cytometry, cytogenetics and haemostasis at the Hospital for Sick Kids in Toronto.

Dr. Wharfe was successful in obtaining a grant from the Novo Nordisk Foundation for research in Haemophilia A. This grant is valued at 130,000 Swiss Francs and the project will run for two years. Part of the funds will be used to purchase new equipment for the Haematology laboratory.

### Cytogenetics Laboratory

The Cytogenetics Laboratory continues to process peripheral venous blood samples for the purpose of karyotyping. The laboratory processed and reported on ten (10) samples.

In September 2013, Ms. Loraine Gardner, technologist in the Cytogenetics Laboratory, embarked on a course of study in the United Kingdom, which she is expected to complete in September 2014. During her absence, samples have been processed by Dr. Kamali Carroll.

Shortly following Ms. Gardner's return, the laboratory should commence validation procedures for karyotyping on solid tissue and amniotic fluid samples, while continuing to process peripheral venous blood samples.

### Surgical Pathology Conference

The second biennial joint Surgical Pathology Conference between the Pathology Department of Mona and the Department of Pathology at the Mayo Clinic, Rochester, was held on April 11, 2014. The meeting which focused mainly on Gastroenterology combined local presenters as well as six presenters from the USA, mainly Mayo Clinic Faculty members.

The local planning committee comprised Dr. Karen Bishop, Dr. Tracey Gibson, Prof. Barrie Hanchard, and Dr. Jacqueline Jaggon.

The conference was attended by Pathologists (from Jamaica and other Caribbean Islands), Surgeons, Physicians and Medical Laboratory technologists. Medical students were also represented.

Based on its success and recognized importance to continuing medical

education and presentation of local research, it is agreed that we should continue to host this conference biennially.

### PhD Thesis

One staff member successfully completed and submitted her PhD Thesis: "The detection of all high-risk human papillomavirus DNA in archival formalin-fixed paraffin-embedded cervical and head and neck squamous cell carcinoma tissue using immunohistochemistry and polymerase chain reaction" by SR Harrison, Dept of Pathology, UWI; Principal Investigator/Supervisor: Professor C Escoffery, Dept of Pathology; Co-Investigator/Supervisor: Professor N McFarlane-Anderson, Biochemistry Section, Department of Basic Medical Sciences, UWI.

## RESEARCH IN PROGRESS

**Dr S Shirley**

- The Jamaican Breast Disease Study (Protocols I & II), Collaborators: Department of Pathology, UWI; Department of Surgery, Radiology, Anaesthetics & Intensive Care, UWI; TMRI, UWI. Medico-legal Autopsy Pathology
- Optimization of extraction of DNA from archived formalin-fixed paraffin-embedded (FFPE) breast and lymph node tissues from surgical specimens in Jamaican patients

**Dr T Gibson (WA Mclaughlin, G Gordon-Strachan, CA McKenzie, CT Escoffery)**

- Exfoliative and Aspiration Cytopathology, including:
  - o Trichomonas Survey, Cytology Unit, Dept of Pathology, July 2012 to current
  - o PAHO HPV Surveillance Study for the Eastern Caribbean, March 2014 to current

## PAPERS PRESENTED AT CONFERENCES AND SEMINARS

### Poster presentations abstracted into peer-reviewed journals

- Salmon CNA, Levy A, Taylor M, Bambury IG, **Gibson TN, Bishop KL,** Younger-Coleman N, **Escoffery C.** Survival rates and reproductive traits of Jamaican women diagnosed with ovarian carcinoma (Abstract). *West Indian Med J* 2013; 62 (Suppl 6): 53. Faculty of Medical Sciences Annual Research Conference, UWI, November 2013
- Howell A, Lofters J, **Gibson TN, Hanchard B, McNaughton DP, Waugh NE.** Renal malignancies in Jamaica: a 30-year review (Abstract). *West Indian Med J* 2013; 62 (Suppl 6): 54. Faculty of Medical Sciences Annual Research Conference, UWI, November 2013
- Lofters J, Howell A, **Gibson TN, Hanchard B, McNaughton DP, Waugh NE**. A review of salivary gland malignancies in Jamaica: 1978–2007 (Abstract). *West Indian Med J* 2013; 62 (Suppl 6): 55. Faculty of Medical Sciences Annual Research Conference, UWI, November 2013

### Presentations

- **G Wharfe.** "Managing with limited or no CFC's, What is possible. World Federation of Haemophilia Conference, Melbourne, Australia, May 2014.
- **G Wharfe.** "Chemotherapy for Breast cancer with emphasis on neoadjuvant chemotherapy". Associations of Surgeons Meeting, Kingston, Jamaica, May 2014.
- **K Coard.** "An Update on Gleason Grading in Needle Biopsies and Radical Prostatectomies." Professor Stanley Brooks Memorial Lecture. Jamaican Association of Clinical Pathologists, 19th Annual Scientific Symposium on "Genitourinary Pathology", Kingston, Jamaica, June 2014.
- **NP Williams.** "Update on Carcinoma of the Colon". UWI Health

Centre Continuing Medical Education Course, Kingston Jamaica, September, 2013.

- **B Hanchard.** "40 years of liver biopsies in Jamaica: What have we learnt?"2nd Biennial UWI Surgical Pathology Conference Kingston, 2014
- **M Bromfield.** "An approach to the Renal Biopsy for the General Pathologist" Jamaican Association of Clinical Pathologists Annual Symposium, Kingston, June 2014
- **D Lowe.** "Colon Cancer Treatment – Downstaging advanced Disease", Colon Cancer Awareness Symposium, Golf View Hotel, Mandeville, Manchester. March, 2014
- **D Lowe.** "Approach To The Evaluation Of The Anaemic Patient", Department of Medicine Annual Summer Workshop, Main Medical Lecture Theatre, Faculty of Medical Sciences, UWI, Mona. July 2014.
- **L Dilworth,** M Tapper, R Thompson and D McGrowder. "Chemical composition of urinary tract calculi assessed in a teaching hospital". American Association of Clinical Chemistry Annual Conference, Chicago, USA, July 2014.
- A Facey, R Irving and **L Dilworth.** "Can Basal Lactate be used as a Biochemical Marker for Type 2 Diabetes Development?" University of the West Indies Diabetes Outreach Project Conference, Kingston, March, 2014.
- **K Bishop,** "New bronchopulmonary dysplasia (pathology)" 13th Annual Perinatal Conference on "Hot Topics in Perinatology", University of the West Indies, February, 2014

**Reports**

- **T Brown**, K. Bishop. "Perinatal Pathology Report January – December 2013". 13th Annual Perinatal Conference on "Hot Topics in Perinatology", University of the West Indies, February, 2014

- **K Bishop.** "Perinatal Pathology Report January – December 2013: Analysis of Data". 13th Annual Perinatal Conference on "Hot Topics in Perinatology", University of the West Indies, February, 2014

**REFEREED (PEER-REVIEWED) JOURNAL ARTICLES**

- **Bishop KL, Hanchard B, Gibson TN, Lowe D, McNaughton D, Waugh N**, Akinbebe A. "Incidence of childhood cancer in Kingston and St. Andrew, Jamaica, 1983–2002". *West Indian Medical Journal* 2013; 62: 575–81.
- **Hanchard B.** "Cancer Incidence in Jamaica (2003–2007)". In: Forman D, Bray F, Brewster DH, Gombe Mbalawa C, Kohler B, Piñeros M, Steliarova-Foucher E, Swaminathan R, Ferlay, J, eds. *Cancer Incidence in Five Continents*, Vol. X. Lyon: IARC, 2013. http://ci5.iarc.fr
- Roberts PO, Plummer J, Leake P-A, Scott S, de Souza TG, Johnson A, **Gibson TN, Hanchard B, Reid** M. "Pathological factors affecting gastric adenocarcinoma survival in a Caribbean population from 2000 – 2010". *World J Gastrointest Surg* 2014; 6: 94–100.
- Nyi Nyi M-P, **Gibson TN, Hanchard B, Waugh N, McNaughton D.** "Trends in incidence and age distribution of oral Cavity and oropharyngeal squamous cell carcinomas, Kingston and St Andrew, Jamaica, 1978–2007". *West Indian Medical Journal* 2014: 63 (2). DOI: 10.7727/wimj.2013.164. E-published ahead of print.
- **Bromfield ME, Gibson TN, Hanchard B, Waugh N, McNaughton D.** "A Thirty-year Review of Vulvar Cancer in Jamaica, 1978 to 2007". *West Indian Medical Journal* 2014: 63 (2). DOI: 10.7727/wimj.2013.125. E-published ahead of print.
- **Bromfield M**, McQuillan R, John R, Avila-Casado C. "The significance of tubuloreticular inclusions as a marker of systemic stimulation by interferons in a case of focal and segmental glomerulosclerosis associated with cytomegalovirus (CMV) infection". Clin. Kidney J 2014; 7(2): 174-178.

- Facey A, Irving R and **Dilworth L** "Overview of lactate metabolism and the implications for athletes". *American Journal of Sports Science and Medicine.* (2013).Vol. 1#3. pp 42-46. DOI: 10.12691/ajssm-1-3-3
- **Dilworth LL**, Brown KJ, Wright RJ, Oliver MS and Asemota HN. "An assessment of bioactive compounds and antioxidants in some tropical legumes, seeds, fruits and spices". *Journal of Research in Biology* 3,7 (2014): 1182–1194
- Stennett DK, Oladeinde F, Wheatley AO, **Dilworth LL**, Hohmann C, Bryant J, Asemota HN. "Evaluation of the effects of bitter yam tuber supplementation on serum parameters used to assess hepatotoxicity and nephrotoxicity in transgenic mice". *Journal of BioScience and Biotechnology,* 3(2), (2014) pp. 133–139.
- White Y, Barrow G, Gilbert D, Clarke T, Soyibo A, McGregor A, Stennett D, **Lowe D, Wharfe G**, Hamilton M, Smikle M, Arima N, Barton E. "Profound Immune Exhaustion and Downregulation Of Interleukin-7 Alpha Receptor (CD127) In CD8 and CD4 T-Cell Subsets In Jamaican Patients Co-Infected With Human T-Cell Lymphotropic Virus Type-1 and Human Immunodeficiency Virus Type-1 Despite Normal Or Above Normal CD4 Counts". *Blood* 2013; 122(21): 3498. ( IF-9.06)
- **Chin SN,** Foster T, **Char G**, and GarrisonA. "Concomitant Urothelial Cancer and Renal Tuberculosis," *Case Reports in Urology*. (2014), Article ID 625153, 3 pages, 2014. doi:10.1155/2014/625153.
- Newnham MS, **Coard KC**, Brown BR, Martin AC. "Terminal ileum duplication: an unusual case of small bowel obstruction". *West Indian Medical Journal*. 2013; 62: 155–157.
- **Buchner LM, Brady-West DC, McGrowder DA**, Gordon-Strachan GM. "Evolution of blood donation pattern in a hospital-based blood centre over a seven-year period: Implications for blood recruitment and retention". *West Indian Medical Journal* 62, 7 (2013): 632-635.
- **Dilworth LL, McGrowder DA, Thompson RK**. "Identification of

pre-analytical errors in the Chemical Pathology Laboratory at the University Hospital of the West Indies". *Indian Journal of Clinical Biochemistry* 29, 2 (2014):227–231

- Kirby RX, Mitchell DI, **Williams NP,** Cornwall DA, and Cawich SO. "Diabetic Mastopathy: An Uncommon Complication of Diabetes Mellitus". *Case Reports in Surgery*, vol. 2013, Article ID 198502, 4 pages, 2013. doi:10.1155/2013/198502
- Fletcher HM, Bennett F, Simms-Stewart D, Reid, M, **Williams NP, Wharfe GH**. "Bone mineral density in Jamaican women after hysterectomy and bilateral oophorectomy: an observational study". *West Indian Medical Journal* 2013; 62 (7):593–8.
- Crawford-Sykes, A., Ehikhmetalor, K., Tennant, I., Scarlett, M., Augier, R., Williamson, L., **Wharfe, G.,** Harding-Goldson, H. "Blood Use in Neurosurgical cases at University Hospital of the West Indies". *West Indian Medical Journal*, Vol 63, Issue 1, Jan 2014, DOI: 10.7727,wimj.2013.233
- Whittle DO, **Williams NP**, Nicholson AM, King-Robinson K, Kirsch R, Riddell R, Mazzulli T, Lee MG. Whipple's disease in an Afro-Caribbean national. *West Indian Medical Journal* Vol 63, Issue 1: Jan (2014) DOI: 10.7727/wimj.2012.220

**REFEREED (PEER-REVIEWED) JOURNAL ABSTRACTS**

- M. Reid, N. Nunes, **D. McGrowder,** C. Nwokocha. "A comparison of the effect of potassium adaptation on uninephrectomised rat treated with deoxycorticosterone acetate (DOCA) and L-NG-Nitroarginine methyl ester induced hypertensive models". Faculty of Medical Sciences – 22nd Annual Research Conference and Workshop on Affairs of the Heart. November 6 –8, 2013. The University of the West Indies, Mona, Kingston, Jamaica. *West Indian Medical Journal*, 62 (Suppl. 6): 42.

## PUBLIC SERVICE

**Dr. D. McGrowder**

– President, Jamaican Association of Clinical Pathologists

– Vice President, Laboratory Association of Jamaica.

– Member, Accreditation Evaluation Committee, Jamaica National Agency for Accreditation (JANAAC)

**Professor B. Hanchard**

– Member of Executive Board, International Society of Retrovirology

– Member of Board of Directors, Jamaica Cancer Society

**Dr. N. Williams**

– Cytopathology Consultant, Jamaica Cancer Society

– UWI Medical Alumni Association – Executive Member

– UWI Mentorship Programme

– ICHS Alumnae Association Scholarship Committee

– MRC Learning Centre, "Introduction to the Medical Sciences: Summer Programme 2013"

**Dr S Shirley**

– Cytopathology Consultant, Jamaica Cancer Society

– Reviewer, *West Indian Medical Journal*

– Member, Jamaica National Agency for Accreditation Council (JANAAC) Technical

– Advisory Committee ISO 15189 for Medical Laboratories

**Dr K Bishop**

– Cytopathology Consultant, Jamaica Cancer Society

**Dr M Bromfield**

– Cytopathology Consultant, Jamaica Cancer Society

**Professor C Escoffery**

– Cytopathology Consultant, Jamaica Cancer Society

**Dr T Gibson**

– Cytopathology Consultant, Jamaica Cancer Society

**Dr J Jaggon**

– Cytopathology Consultant, Jamaica Cancer Society

– Member, Jamaica League Against Epilepsy

**Dr D Lowe**

– Executive Member, Leukemia CARE

**Dr E Williams**

– Cytopathology Consultant, Jamaica Cancer Society

**Professor F Bennett**

– Editorial Board Member, *West Indian Medical Journal*

**Dr L Dilworth**

– Member of the Rotary Club of New Kingston

## DISTINGUISHED VISITOR TO THE DEPARTMENT

Dr. Robert Riddell, Head of Section, Gastrointestinal Pathology, Department of Pathology and Laboratory Medicine, Mount Sinai Hospital, Toronto, Ontario, Canada

## AWARDS

### Staff

- Professor Kathleen Coard – "Best Research Publication" in the Faculty of Medical Sciences, at the University of the West Indies, Research Day 2014 Awards Ceremony.

- Professor Kathleen Coard – "Greatest Multidisciplinary Collaboration," in the Faculty of Medical Sciences, at the University of the West Indies, Research Day 2014 Awards Ceremony.
- Dr. Lowell Dilworth – The Principal's Research Award for "Most Outstanding Research Activity" for the Faculty of Medical Sciences, Research Day 2014 Awards Ceremony.
- Dr. Donovan McGrowder – Principal's Award: "Most Outstanding Research Activity" for the Faculty of Medical Sciences, Research Day 2014 Awards Ceremony.

**Students – Undergraduate**

- Auvarhenne Howell – Pathology/Microbiology Medal - Best Overall Performer
- Auvarhenne Howell – Professor Stanley Brooks Book Prize – Best Overall Performer (Pathology)

# DEPARTMENT OF SURGERY, RADIOLOGY, ANAESTHESIA & INTENSIVE CARE

**Professor Newton Duncan**, MBBS, DM (General Surgery), FACS
**Head of Department**

## WORK IN THE DEPARTMENT

The Department of Surgery, Radiology, Anaesthesia and Intensive Care (SURRADIC) is staffed by academics committed to high standards of instruction and teaching to undergraduate and post graduate students. The Department oversees Doctor of Medicine postgraduate programmes in General Surgery, Orthopaedics, Neurosurgery, Urology, Paediatric Surgery, Cardiothoracic Surgery, Ophthalmology, Otorhinolaryngology, Radiology, Anaesthesia and Emergency Medicine. Academic Staff members also lecture to allied health professions such as nursing, physiotherapy and pre-hospital emergency health care.

During the 2013–2014 academic year, 1100 undergraduate and 120 post graduate students rotated through the Department. Overseas elective

students from France, China, Germany, United Kingdom and the United States of America also were instructed in surgery and other health care disciplines.

The MBBS and DM academic training manuals were updated. The CHASE/Carnegie Skills Laboratory, which functions as a simulator for basic and advanced training in Surgery, Anaesthesia, Intensive Care, Emergency Medicine as well as the sub-disciplines of General Surgery, was heavily utilised by lecturers during undergraduate and postgraduate teachings. The sophisticated equipment installed made it possible to have teleconferencing sessions with a variety of international experts in these disciplines. Lecturers also conducted many practical hands on sessions in minimally invasive surgery.

The Pre Hospital Emergency Medical Service (PHEMS) programme under the direction of Drs. Simone French and Shuvra Dasgupta have in place a curriculum geared to offer a BSc Professional Paramedic Degree. Financial support from the Principal's Initiative is allowing Mr. Ryan Rufus to upgrade himself academically to the level of an internationally accredited paramedic. Mr. Rufus will be a critical resource person for this degree program.

The Department hosted in July 2014, the 13th JMMB Ltd. sponsored, William Dennis Memorial Lecture. The Lecture was chaired by Professor Barrie Hanchard and was delivered by Professor Horace Fletcher, Dean of the Faculty of Medical Sciences. Professor Fletcher lectured on " Post Graduate Training in Medicine in Jamaica".

The 12th staging of the Caribbean Neurosciences Symposium and Charity Golf Tournament was held in January 2014 at the Montego Bay Convention Centre and Half Moon Hotel and Resort. This conference again was the result of the collaborative efforts of Dr. Carl Bruce, Professor Ivor Crandon and Dr. Robert Ramcharan.

The Section of Anaesthesia & Intensive Care, as part of its continuing education programme conducted training in Echocardiography and Ultrasound and received participating students and faculty from the wider Caribbean, USA and the UK. The Section also staged on 25th

April 2014 another immensely successful Residents' Symposium on the theme "Healthcare Challenges in the Aging Population".

## DEPARTMENTAL STAFF MOVEMENTS

Those attaining Indefinite Tenure:

- Dr. Alan Barnett
- Dr. Allie Martin
- Dr. Ingrid Tennant-Martin
- Dr. Peter Johnson

The Department maintains three Academic Research Registries:

1. **The Trauma Registry:** Of over 18,300 records which continues to provide ample research material for injury related studies.
2. **The Intracranial Tumour Registry:** Consisting to date of 677 patient records, utilising the software CNExT. This is a collaborative effort between the Neurosurgery Service in the Section of Surgery, the Section of Radiology and the Department of Pathology. This Registry is funded through the Principal's Fellowship Initiative. The aim is to create a radio-clinico-pathological database of intracranial tumours.
3. **The Colorectal Cancer Registry:** This registry maintains a data base on all cases of colorectal cancer sourced from major health facilities across Jamaica. This data allows for evidence-based research in the diagnosis and treatment of colon cancer. To date over 660 cases have been recorded.

## PAPERS PRESENTED

### Major conferences/ seminars

- **KD Vaughan**, S Prince "Does Private Care Matter? The Case of Fracture of the Neck of the Femur" Department of Surgery, Radiology Anaesthesia & Intensive Care's 25th Clinical Research Meeting & Workshop FMS Teaching & Research Complex, 30th August 2013

- **KD Vaughan**,"Do we know the real cost of surgery? Determining the true Parameters. Lessons from Joint Surgery" 12th Annual Caribbean Neurosciences Symposium. Montego Bay Convention Centre. January 2014.
- **A. Mansingh**,"Management of the Diabetic Athlete" 29th International Diabetic Conference Ocho Rios, Jamaica, 2014 March 27
- **A. Mansingh**,"Patients' Compliance in Managament of Arthritis" CME Meeting, Kingston, Jamaica 2014 April 24
- **A. Mansingh,**"Building a Human Machine" Business of Sport International MeetingKingston, Jamaica, 2014 May 1
- **A. Mansingh**,"Changing Paradigms in the Management of Pain". Meet the Experts Meeting, Kingston, Jamaica, 2014 May 1
- **KD. Vaughan**, MU. Christmas,"Hip Fractures in the Elderly: How Close are we to Standard of Care?" The Annual Conference of the Association of Surgeons in Jamaica, May 18, 2014
- **HE Harding**,"Challenges of Sharing Perioperative Data – Role of Information & Communication Technology – UPDATE 2013 IN ANAESTHESIA & INTENSIVE CARE", – Trinidad and Tobago Association of Anaesthetist Annual Symposium/workshop in association with The World Federation of Societies of Anaesthesia (WFSA) on Information and Communication Technology in Anaesthesia and Intensive Care. Port of Spain, Trinidad, 2013.
- **CD McGaw**,"Recent advances and the changing faces of Anaesthesia for cardiac surgery. Technology – UPDATE 2013 IN ANAESTHESIA & INTENSIVE CARE", – Trinidad and Tobago Association of Anaesthetist Annual Symposium/workshop in association with The World Federation of Societies of Anaesthesia (WFSA) on Information and Communication Technology in Anaesthesia and Intensive Care. Port of Spain, Trinidad. 2013
- **MD Scarlett**,"Challenges of communication & networking in Anaesthesia & Intensive Care – Changing faces of Data Storage & Ethical Implications – UPDATE 2013 IN ANAESTHESIA & INTENSIVE

CARE" – Trinidad and Tobago Association of Anaesthetist Annual Symposium/workshop in association with The World Federation of Societies of Anaesthesia (WFSA) on Information and Communication Technology in Anaesthesia and Intensive Care. Port of Spain, Trinidad, 2013.

- **MD. Scarlett**,"Errors in Anaesthesia". Annual Jamaica Nurse Anaesthetist's Conference, October 2013.
- A Ennis, **PJ Toppin, A Barnett, HE Harding**,"Intrathecal Magnesium for Postoperative Analgesia: A Randomized, Controlled Study in Patients Undergoing Elective Orthopedic Surgery at the Kingston Public Hospital". FMS ARC Nov 2013.
- S Curtis, **K Ehikametalor, M Scarlett, H Harding-Goldson**, J Sutherland,"An Evaluation of Depressive Symptoms and Stress among doctors who work in Intensive Care Units in Jamaica".FMS ARC November 2013.
- DO Christmas, **HE Harding, IA Tennant**, DR Douglas, GM Gordon-Strachan,"Admitting Elderly Patients to the Intensive Care Unit – Why Bother?" FMS ARC November 2013.
- VO Okpiavbe, **AT Barnett, HW Gardner, IA Tennant, K Ehikhametalor, HE Harding**, GM Gordon-Strachan. "Recall of Preoperative Anaesthesia Information given to Patients by Anaesthesia Providers in Three Tertiary Referral Centres in Kingston, Jamaica". FMS ARC November 2013.
- Kelly Fletcher, **I Tennant**,"Indications for red cell transfusion in the Intensive Care Unit at the University Hospital of the West Indies". Caribbean Association of Neurosciences (CANS). February 2014.
- L. Williamson, **I. Tennant, A. Crawford-Sykes and HE. Harding**, "Epidemiology and outcome of Acute Kidney Injury using the RIFLE criteria in critically ill patients in the ICUs at UHWI". Caribbean Association of Neurosciences (CANS). February 2014.
- Karyna Davis Irons, **CD McGaw, HE Harding,** "The incidence, causes, and pattern of day of surgery cancellation at the Kingston Public Hospital: implications for patients". Caribbean Association of

Neurosciences (CANS). February 2014

- Stacy-Ann Robinson, **A. Crawford-Sykes, HE. Harding**,"Knowledge, attitudes and practices of physicians in the southern and southeastern regions of Jamaica regarding the inter-hospital transfer of critically ill patients to the Kingston Public Hospital". Caribbean Association of Neurosciences (CANS). February 2014.
- **P. Jason Toppin**,"Use of Ultrasound in Emergency Medicine and Intensive Care. Conference on Echocardiography and Ultrasound applications in Anaesthesia, Intensive Care and Trauma, March 2014
- **Kelvin Ehikhametalor**,"An overview of echocardiography in Emergency Medicine and Critical Care. Conference on Echocardiography and Ultrasound applications in Anaesthesia, Intensive Care and Trauma", March 2014.
- Damion Falconer, **CD McGaw**,"Frail, Feeble or Fit? Age-related physiological changes & their clinical significance". 24th Annual Resident's Symposium, April 2014.
- Derwin Christmas, **HE Harding,**"The elderly in ICU. Should we admit?" 24th Annual Resident's Symposium, April 2014.
- Carl Brown, **AM Crawford-Sykes,**"Ethical issues in end of life care". 24th Annual Resident's Symposium, April 2014.
- **E. Williams**, "Pneumothoraces in the ER – Case Series and Lessons Learnt", Jamaica Emergency Medicine Association 14th Annual Conference Jamaica Pegasus, 23rd March 2014.
- **C. Maycock,** "The violent patient: Chemical vs. Physical restraints"Jamaica Emergency Medicine Association 14th Annual Conference Jamaica Pegasus, 23rd March 2014.
- **S. Dasgupta,** "Loss of Patient Privacy: Dealing with the Impact of ED Overcrowding". Jamaica Emergency Medicine Association 13th Annual Conference Jamaica Pegasus, 23rd March 2014.
- **J. Williams-Johnson**, "Role of Tranexamic Acid in Trauma", Jamaica Emergency Medicine Association 13th Annual Conference, Jamaica Pegasus, 23rd March 2014.

- **S. French,** "An atypical presentation of a not so uncommon cause of chest pain". CPC Presentation, Large Lecture theatre, Faculty of Medical Sciences, UWI Mona. 30th April, 2014.
- **H. Ashman**, "Carcinoma of the thyroid-treatment guidelines", Association of Surgeons of Jamaica Conference, Jamaica Pegasus Hotel, May 2014.
- **N. Nelson**, "Current concepts in the Surgical Management of Nodular Goitres", Association of Surgeons of Jamaica Conference, Jamaica Pegasus Hotel, May, 2014.
- **N. Nelson**, "Endoscopic Approach to Clival Tumours: Role of the Otolaryngologist", Caribbean Neuroscience Symposium, Montego Bay Convention Centre, Montego Bay, Jamaica. January 31, 2014.
- **Williams E**, Rhudd, "A Causes of deaths within the first 24 hours of admission in an Urban ER Department", 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Johnson P**, Jaggon J, **Bruce C**, "Brain Tumor Registry: radio-pathological correlation of meningiomas", 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Aiken W**, "Level of prostate cancer knowledge among Jamaican men", 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Ehikametalor K, Harding-Goldson H**, Laws H, "Criterion-based clinical audit of the prevention of central venous catheter related infection in the Intensive Care Unit at the KPH" 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Morrison B**, "The relationship between enuresis and overactive bladder in Sickle Cell Disease" 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.

- **Bruce C**, "Acromegaly: review of multimodality management", 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Vaughan K,** "Does private care matter? The case of fractures of the neck of the femur", 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Harding-Goldson H**, Toppin J, "Intrathecal magnesium for postoperative analgesia: a randomized, controlled study in patients undergoing elective orthopaedic surgery at the KPH", 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Bruce C,** "Initial results of nerve monitoring in neurosurgery spinal surgery", 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Calder D**, "Micropulse diode laser trabeculoplasty for open angle glaucoma in a Jamaican population", 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Venugopaul R**, "Old wives tales vs. science donor site of skin grafts: open vs closed dressing & pain control", 25th Clinical Research Meeting & Workshop, Teaching & Research Complex Lecture Theatre, FMS, August 30, 2013.
- **Bruce C,** "Facet Fusion A More Economic Approach", The 5th Congress of InterAmerican Society of Minimally Invasive Spine Surgery; The Present and Future of Minimally Invasive Surgery, City of Guanajuato, Mexico, December 4–7, 2013.
- **Bruce C**, " Nerve Monitoring For Spinal Surgery", The 5th Congress of InterAmerican Society of Minimally Invasive Spine Surgery; The Present and Future of Minimally Invasive Surgery, City of Guanajuato, Mexico, December 4–7, 2013.
- **Bruce C**, "Cortical Screws For Lumbar Degenerative", The 5th Congress of InterAmerican Society of Minimally Invasive Spine

Surgery; The Present and Future of Minimally Invasive Surgery, City of Guanajuato, Mexico, December 4–7, 2013.

**POSTER PRESENTATION**

- Angus C, **Nicole Hart H,** Walters C, **Williams Johnson J.** "The Factors that Affect Time to Hospital Presentation in Patients with Symptoms Suggestive of an Acute Myocardial Infarction". The 15th International Conference on Emergency Medicine, Honk Kong, 11th June 2014.
- **Palmer W, Mansingh A,** Mitchell T, "Arthroscopy in Children and Adolescents". FMS Annual Conference, Nov 2013.

**REFEREED JOURNAL ARTICLES**

- **Vaughan KD**, Gordon C, DuCasse G, Williams S. "The Economic Burden of Femoral Neck Fractures in Jamaica". *West Indian Med J* DOI: 10.7727/wimj. 2013.017.
- **Vaughan KD** "Can we Afford Total Joint Replacements in Jamaica?" *West Indian Med. J* DOI: 10.7727/wimj.2014.013.
- Ian Sammy, Joanne F. Paul, Harold Watson, **Jean Williams-Johnson**, Colin Bullard. "Quality Assurance in Emergency Medicine – A Caribbean Perspective." *Clinical Governance: An International Journal* 2013; 18(4):293–299.
- M. Gossell-Williams, **J. Williams-Johnson,** S McLeary. "Potential impairment of hypoglycemic control associated with drug interactions: a look at closer management needs for diabetes mellitus". *J Pharmacovigilance* 1: 114. doi:10.4172/2329-6887.1000114.
- **R. Edwards,** P. Levy. **R. Hutson, J Johnson**, R. Sherwin, G. Strachan, M. Frankson. "Severe sepsis in the Emergency Department –An observational cohort study from the University Hospital of the West Indies." *West Indian Med J*. 2013 Mar; 62(3):224–9.
- Jefferson DA, **Harding HE**, Cawich SO, Jackson-Gibson A, "Postoperative analgesia in the Jamaican cannabis user". *J Psychoactive Drugs*. 2013 Jul-Aug; 45(3):227–32.

- Cawich SO, **Tennant IA, McGaw CD, Harding H**, Walters CA, **Crandon IW**, "Infection control practice in the operating room: staff adherence to existing policies in a developing country". *Perm J.* 2013 Summer; 17(3):e114-8. doi: 10.7812/TPP/12-093.
- Cawich SO, **Harding HE, Crandon IW, McGaw CD, Barnett AT, Tennant I,** Evans NR, **Martin AC**, Simpson LK, **Johnson P**. "Leadership in surgery for public sector hospitals in Jamaica: strategies for the operating room". *Perm J*. 2013 Summer; 17(3):e121-5. doi: 10.7812/TPP/12-117.
- R Gooden, I Tennant, B James, **R Augier, A Crawford-Sykes, K Ehikhametalor**, G Gordon-Strachan, H Harding-Goldson. "The Incidence of Emergence Delirium and Risk Factors Following Sevoflurane Use in Pediatric Patients for Day Case Surgery, Kingston, Jamaica". *Brazilian J of Anesthesiology*, September 24, 2013. DOI: 10.1016/j.bjane.2013.09.012.
- Cawich SO, **Johnson PB, Shah S, Roberts P**, Arthurs M, Murphy TM, Bonadie KM, Crandon IW, Harding HE, Abu-Hilal M, Pearce NW. "Overcoming Obstacles to Establish a Multidisciplinary Team Approach to Hepatobiliary Diseases: A Working Model in the Caribbean Setting". J MultidiscipHealthc. 2014 May 28; 7:227-30. doi: 10.2147/JMDH.S60604. eCollection 2014.
- **I Tennant, AT Barnett**, DS Thompson, J Kips, MS Boyne, EE Chung, AP Chung, C Osmond, MA Hanson, PD Gluckman, P Segers, JK Cruickshank, TE Forrester. "Impaired cardiovascular structure and function in adult survivors of severe acute malnutrition". Hypertension. published online June 30, 2014; Print ISSN: 0194-911X. Online ISSN: 1524º4563.
- **Crawford-Sykes A, Ehikhametalor K, Scarlett M, Tennant I, Augier R,** Williamson L, Wharfe G, **Harding-Goldson H.** "Blood use in neurosurgical patients at the University Hospital of the West Indies". *West Indian Med J* 2014. DOI: 10.7727/wimj 2013.233.
- **R Forde, H Ashman, D Shah, EW Williams**. "Primary Amyloidosis of the Nose Presenting with Refractory Epistaxis and Systemic

Involvement – A Rare Phenomenon". *West Indian Medical Journal*, Vol 63, Issue 4: Aug (2014)

- M Smith, P Johnson. "Spontaneous extracranial internal carotid artery aneurysms: a case report." *West Indian Medical Journal* ISSN: 0043-3143 (Published online ahead of print March 2014)
- P Johnson, R Melbourne-Chambers, A Saindane, N Desai, M Smith." A case of neurosarcoidosis with Labyrinthine involvement". *Case Reports in Radiology* Volume 2014 (2014), Article ID 530431, 5 pages http://dx.doi.org/10.1155/2014/530431
- L Doonquah, R Lodenquai, A Mitchell. "Surgical techniques for augmentation in the horizontally and vertically compromised alveolus". Dental Clinics of North America
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### VIDEO PRESENTATION

- Plummer JM, Chand V, McFarlane M, Powell LP, "A case of combined laparoscopic cholecystectomy and splenectomy in Jamaica". *West Indian Med J* 2013; 62 (Suppl 4): 40

### Case Reports

- Johnson M, French S and Cornwall D, "An Unusual Case of Primary Spontaneous Tension Pneumothorax in a Jamaican Female". *West Indian Med J.* Emergency Medicine 2014; 63(3).DOI:10.7727/wimj.2014.044.
- Walker L and French S, "Horner's Syndrome : A Case Report and

Review of Pathophysiology and Clinical Features". *West Indian Med J.* Emergency Medicine 2014; 63(3).DOI:10.7727/wimj.2014.044.

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## INCOME GENERATION

### Research and Grants

- US$84,000 CHASE FUND: GE Vivid S6 Transoesophageal echocardiography machine.
- J$1.492 million Dr Pierre-Anthony Leake: Grant approved – received

funding through the University of the West Indies – New Initiative Grant for research on, 'Improving Patient Outcomes with Inguinal Hernioplasty – A Randomized Controlled Trial of Local Anaesthesia Versus Local Anaesthesia and Conscious Sedation'. The study was implemented and is expected to be completed in two years.

- J$2.5 million Dr Patrick J Toppin: JN Foundation re Investigation cost & epidemiology Trauma in Jamaica.
- J$150,000: Annual Conference/workshop on Echocardiography and Ultrasound applications in Anaesthesia, Intensive Care and Trauma
  - TOTAL J$ 4,142,000
  - TOTAL US$ 84,000

## PUBLIC SERVICE

**Dr. Wayne Palmer**

– President Jamaican Orthopaedic Association – March 2013–present

– Manager Development Junior Cycling Team to the Easter grand prix in Trinidad

**Dr. Maxim Christmas**

– Secretary of the Jamaican Orthopaedic Association

**Dr. Romayne Edwards**

– Team Doctor, Waterhouse Football Club

– National Premier League

– Caribbean Football Union Competition (Haiti)

– CONCACAF Champions League

– Contributor *Jamaica Observer* Newspaper

**Dr. Simone French**

– Member executive National Resuscitation Council.

– Medical Chair Local Organizing Committee. FIH World Hockey League (Round 1).

**Dr. Rhonda Hutson**

– Member executive the Jamaica Association of Sports Medicine(JASM)

**Dr. Praimanand Singh**

– President Jamaica Association of Sports Medicine (JASM)

– Head of medical team for 2014 Commonwealth Games, Glasgow.

– Appointed by JOA to be Chef de Mission for Jamaica in the upcoming Central American and Caribbean Games in November 2014, Mexico.

**Dr. Eric Williams**

– Volunteer Doctor for National Children Home

**Dr. Jean Williams Johnson**

– Member, executive Caribbean Poison Information Centre (CARPIN)

– Member, executive Jamaica Association of Sports Medicine (JASM).

**Dr. Ingrid Tennant**

– Secretary, Jamaica Anaesthetist Association

**Dr. Patrick J Toppin**

– Member of the Jamaica Association of Sports Medicine

– Provider of medical care and education for the UWI August Town Outreach project.

**Dr. Myrton Smith**

– President Elect of the Medical Association of Jamaica

– Member of the Council for Professions Supplementary to Medicine

– Fellow of the American College of Surgeons – to be installed at ACS Congress 2014

– American Academy of Otolaryngologists - Head & Neck Surgeons Foundation International Visiting Scholar September 2013 with consequent Observership in Endoscopic Skull Base Surgery at Johns Hopkins Hospital in November 2013.

**Dr. Carl Bruce**

– Member, Spine Committee World Federation of Neurosurgeons (WFNS)

– Executive, JAAA

– Chairman, JAAA Medical and Anti-Doping Commission

– Member, Board, University Hospital of the West Indies

**Professor Ivor Crandon**

– Member, Disciplinary Panel, JADCO

– Member, Board, BioTec R&D

– Member, Board, JIPA

## STUDENTS' AWARDS AND ACHIEVEMENTS

Undergraduate performance in the final MBBS Examinations was creditable with 186 of 196 candidates being successful.

### Honours in Surgery

- Tariq Parker

  Dr. Aubrey McFarlane Prize
  Sir Harry Annamunthodo Prize
  General Surgery Prize

- Gayan Smith
- Alexandra Wright

Doctor of Medicine Post Graduate Degrees were awarded:

- Neurosurgery Dr. Franz Pencle

| | |
|---|---|
| • Otorhinolaryngology | Dr. Francis Barnett |
| • Ophthalmology | Dr. Amoy Ramsay |
| • Urology | Dr. Reaud Gafoor |
| • General Surgery | Dr. Varunesh Chand |
| • Orthopaedics | Dr. Andrew Bogle |
| | Dr. Ayana Crichlow |
| | Dr. Maxim Christmas |
| | Dr. Safiya Franklin |
| | Dr. Fidel Fraser |
| | Dr. Dean E. Wright |
| • Anaesthesia & Intensive Care | Dr. Saran Curtis |
| | Dr. Camille Campbell |
| | Dr. Rosilee Crooks |
| | Dr. Hosea Richard Cumberbatch |
| | Dr. Karyna Davis-Irons |
| | Dr. Ayanna Ennis |
| | Dr. Kelly Fletcher |
| | Dr. Roxanne Johnson |
| | Dr. Stacey-Ann Robinson |
| | Dr. Noreene Stephens |
| | Dr. Lorisse Williamson |

# THE UWI SCHOOL OF NURSING (UWISON), MONA

**Dr. Steve Weaver,** RN, Cert. of Nursing Ed., BScN, MPH, PHD
**Head of School**

## HIGHLIGHTS OF THE WORK IN THE SCHOOL

The UWI School of Nursing has had a number of critical activities during the academic year. These include, but are not limited to, the implementation of the four-year BScN curriculum, installation of a new Head of School and an increase in the number of new faculty members at the Mona and Western Jamaica Campuses.

The School underwent a Quality Assurance Review, December 2–6, 2013. The School was also evaluated by the Nursing Council of Jamaica on January 23, 2014. The team from the Nursing Council comprised of approximately eight (8) members which included the Chairman and Registrar of the Nursing Council. Among the areas visited in the School during the Council evaluation were the Clinical Learning Centre and the Computer Lab.

The School received a positive feedback from the evaluation.

Drs. Steve Weaver and Eulalia Kahwa represented the School at the meeting of PAHO/WHO and the Pan American Network of Nursing and Midwifery Collaborating Centres (PANMCC) in Washington DC, September 2013. The Head of School attended the Caribbean Public Health Agency (CARPHA) Epidemiology Information Workshop 59th Annual Scientific Research Conference during the periods, April 28–30, 2014 and May 1–3, 2014. The workshop involved the use of information software for analysing health research data while the Conference proceedings included a number of papers mainly with a non-communicable disease focus.

Mrs. Antoinette Barton-Gooden represented Jamiaca as a panelist on the Global Bridges Webinar held on International Nurses Day, May 12, 2014. The topic discussed was "Nurses role in tobacco dependency treatment." Other panelists included Dr. Linda Sarna from UCLA and Dr. Grace Wong from New Zealand.

The Annual Nursing and Midwifery Research Conference and Mary J Seivwright Day was held on May 29–30, 2014, under the theme "*Nursing and Midwifery Research: the pathway to quality healthcare."* There were approximately 200 attendees. Both days featured a total of twenty-two (22) scientific presentations from nursing professionals and graduate students.

The UWI School of Nursing, Mona is working towards the goal of becoming a chapter of the Sigma Theta Tau International Honor Society of Nursing (STTI), by June 2016. With this in mind, a regional nursing honor society was formed, the Caribbean Honor Society of Nursing (CHSN), and will operate for a minimum of 1–2 years prior to submitting a formal application for chapter status. As part of this activity, two major events were held: A Honor Society Leadership Training Workshop was held on May 28, 2014. There were forty-seven (47) nurses in attendance at the one-day workshop which was facilitated by Dr. Joanne McGlown, Director of the Global Business Development, STTI. She presented a detailed description of the stages involved in the development towards

Chapter status and the history and general operations of Sigma Theta Tau International Honour Society of Nursing. An Induction Ceremony was held on May 30, 2014, in which a total of 55 registered nurses and 4 undergraduate nursing students from UWISON were inducted.

As part of the objectives of the PAHO/WHO Collaborating Centre, an International Internship Programme was held during the period, June 2–26, 2014. There were 25 particpants in the Programme, with one participant from the United States of America. Other participants were from the University Hospital, UWI Mona and WJC Campuses, UTech, NCU as well as from the Tertiary Level Institutions – EXED, Knox and Brown's Town Community Colleges. International presenters included Professor Nancy Edwards, University of Ottawa, Dr. Donald Simeon, and Ms. Elizabeth Lloyd from Caribbean Public Health Agency. There were also local presenters from the UWI, Mona.

There was a web Meeting with Dr. Silvia Cassiani – Regional Advisor on Nursing and Allied Health – PAHO/WHO, University of Belize, University of Alberta and the UWISON regarding UWISON providing assistance to the University of Belize curriculum development for their nursing programme.

On June 19–20, 2014, the Caribbean Midwives Association in collaboration with the PAHO/WHO Collaborating Centre and United Nations Population Fund conducted a workshop for Midwifery Educators at the UWI School of Nursing. The Speaker for the Opening Ceremony was Dr. Mario Aguilar, Technical Advisor – Reproductive Health, Sub Regional Office, United Nations Population Fund. The master teacher for the workshop was Mrs Irene de la Torre from the University of Puerto Rico and she worked with seven (7) selected participants.

The Ministry of Health with support from UWISON hosted the 41st Annual General Meeting for the Regional Nursing Body, July 22–25, 2014. A team from the School assisted the Chief Nursing Officer – Jamaica, in coordinating and planning the Meeting. The meeting was held at the Regional Headquarters and the Education Day held at the School of Nursing building.

Curricula development for the Midwifery and Critical Care Nursing programmes is ongoing with the expected view of converting them into baccalaureate degrees and transfering them from the University Hospital to the University of the West Indies.

## EXTERNAL COLLABORATORS

### St. Kitts

The Head of School and the Undergraduate Programme Coordinator along with two members from the Nursing Council of Jamaica visited the Clarence Fitzroy Bryant College in St. Kitts, February 2–6, 2014. The purpose of the visit was to assess the readiness of the School in St. Kitts to offer the BScN programme. As a result of this meeting, Dean Shirley Kelly and Ms Juliette Walyn from Clarence Fitzroy Briant College, St. Kitts visited the UWISON March 10–14, 2014. The visit was organized to provide them with first-hand knowledge of the structure and process and general operations of clinical simulation so that they can replicate these processes at their Institution.

### Western Carolina University

Mrs Cheryl Clark from Western Carolina University visited UWISON on November 13, 2013 to discuss collaboration between the two Universities. A Memorandum of Understanding is now in place with that University.

### Duke University School of Nursing

Eight (8) students in the accelerated BScN degree programme at Duke University School of Nursing visited UWISON August 11–24, 2013, to gain clinical experience/cultural immersion in in Community Health Nursing.

### Institute for the International Education of Students

Three faculty members and twelve students from the Institute for the

International Education of Students (IES) visited the School during the periods December 2013 and April 2014. This was an observational visit where they were placed at three-health centre in Kingston and St. Andrew over a 3-day period.

## PAPERS PRESENTED AT MAJOR CONFERENCES

- **Pitter, C.** (2013). "Gender-Based Violence in Pregnancy: Opportunities or Challenges for Midwives? Experiences from two Hospitals in the Kingston Metropolitan Area, Jamaica". Jamaica Midwives Association Annual Conference, Jamaica Conference Centre, October 30, 2013.
- **Aiken J.L.** (2013). "Preventing Re-admissions for Heart-Failure: The Role of the Nurse-led Clinic". Faculty Medical Sciences Annual Research Conference. The University of the West Indies, November 8, 2013.
- **Pitter, C.** (2014). "Gender-Based Violence in Pregnancy: Opportunities or Challenges for Midwives? Experiences from two Hospitals in the Kingston Metropolitan Area, Jamaica". Clute Institute International Academic Conference, Orlando, Florida, U.S.A., January 1–4, 2014.
- **Aiken, J.L.** (2014). "Preventing Re-admissions for Heart-Failure: The Role of the Nurse-led Clinic". The University of the West Indies Cardiology Symposium, The University of the West Indies, February 14, 2014.
- **Edwards, A.**, Waldron, N., Bennett, J., Anderson-Johnson, P. (2014). "Knowledge and Medication Compliance in Rheumatic Fever". The 24th Annual Nursing and Midwifery Research Conference and 25th Mary J. Seivwright Day, The UWI School of Nursing, May 29, 2014.
- **Thompson, R.A.**, Anderson-Johnson, P., Younger-Coleman, N.O., Bailey, K.A., Knight-Madden, J.M., Waldron, N.K., Wint, Y.B. & Kahwa, E.K. (2014). "Factors Affecting Compliance with Medication Among Adults with Asthma in Jamaica". The 24th Annual Nursing and Midwifery Research Conference and 25th Mary J. Seivwright Day, The UWI School of Nursing, May 30, 2014.

## PUBLICATIONS

### Peer-reviewed Articles

- Boswell-Thompson, S., **Hepburn-Brown, C., Edwards, A. & Lindo, JLM.** (2014). Factors contributing to decrease compliance with secondary prophylaxis in clients with rheumatic fever in Jamaica. *Pathogens and Global Health,* 108 (5), 229–234.
- Jones, K., **Lindo, J.L.M., Anderson-Johnson, P. & Hepburn-Brown,** C. (2014). Patient satisfaction with nurse practitioner delivered services at two Health Centres in Jamaica. *Contemporary Nurse*, 4972-4993.
- Mill, J. Davison, C. Ritcher, S. Etowa, J. Edwards, N. **Kahwa, E.**, Walusimbi, M. Harrowing, J. (2014). Qualitative Research in an International Research Program: Maintaining Momentum while Building Capacity in Nurses. *International Journal of Qualitative Methods*,13:151–169.
- Welsh, F. E., Duff, E. M., Campbell-Taffe, K., & **Lindo, J. L.** (2014). Lifestyles of Jamaican Men with Hypertension. *Journal of Transcultural Nursing,* 1043659614531794.
- Wilson-Mitchell, K., **Bennett, J. & Stennett, R.** (2014). Psychological Health and Life Experiences of Pregnant Adolescent Mothers in Jamaica. *International Journal of Environmental Research and Public Health,* 11(5): 4652-4667; doi: 10.3390/ijerph110504652.
- Xuereb, G., **Anderson-Johnson,** P., Ragoobirsingh D. & Morrison, E. (2014). Impact of a Program to Improve Quality of Diabetes Care in the Caribbean. *Journal of Research in Diabetes*, vol. 2014, Article ID 149397, doi: 10.5171/2014.149397.
- James, C. C., Carpenter, K. A., Peltzer, K., & **Weaver, S.** (2013). Valuing psychiatric patients' stories: Belief in and use of the supernatural in the Jamaican psychiatric setting. *Transcultural Psychiatry*, 51(2):247-63, 1363461513503879.

## ABSTRACTS

- Wilson-Mitchell, K., **Bennett, J. & Stennett, R.** (2013). Factors associated with adolescent pregnancy; psychological distress and suicidal behaviour: An exploratory study. *The Canadian Association of Midwives.* November 6–8, 2013.
- Brown, K., **Norman-McPherson, A. & Anderson-Johnson, P.** (2014). Perceived levels and sources of academic-related stress among studens enrolled in a Master of Sciences in Nursing at an Urban University in Jamaica. Caribbean Journal of Nursing 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.
- Campbell, N., **Edwards, A. & Hepburn-Brown, C.** (2014). Perception of Nurse Practitioners regarding their job satisfaction in Jamaica. Caribbean Journal of Nursing 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.
- Daisy, R., **Weaver, S., Anderson-Johnson, P. & Kahwa, E.** (2014). Factors Affecting the Clinical Teaching Roles of Registered Nurses at an Urban Hospital in Jamaica. Caribbean Journal of Nursing 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.
- **Edwards, A.**, Waldron, N., Bennett, P. & **Anderson-Johnson, P.** (2014). The relationship between knowledge of rheumatic fever and medication compliance. Caribbean Journal of Nursing 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.
- Haynes, C., **Anderson Johnson, P. & McPherson, A.** (2014). The lived experiences of obesity among young adults at a tertiary institution in Kingston, Jamaica. *Caribbean Journal of Nursing* 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.
- Marshall, S., **Aiken, J. & Lindo, JLM.** (2014). Job Satisfaction and

Absenteeism among Registered Nurses at a Type B Jamaican Hospital. *Caribbean Journal of Nursing* 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.

- **Pitter, C.** (2014). Gender-Based Violence in Pregnancy: Opportunities or Challenges for Midwives? Experiences from Two Hospitals in Kingston, Jamaica. The Clute Institute International Academic Conference. June 2014.
- Riley-McHugh, D., **Hepburn Brown, C. & Lindo, JLM. & Kahwa, E.** (2014). Schizophrenia: Its psychological effects on Family Care Givers. *Caribbean Journal of Nursing* 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.
- Taylor-Smith, C., **Munroe, D., Walker, M.**, Stephenson-Wilson, K. & **Anderson-Johnson, P.** (2014). Academic performance: the role of cognitive engagement among nursing students in a Jamaican Community College. *Caribbean Journal of Nursing* 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.
- Thompson, R., Anderson-Johnson, P., Younger-Coleman, N., Bailey, K, Knight-Madden, J., Waldron, N., **Wint, Y. & Kahwa, E.** (2104). Factors Affecting Compliance with Medication among Adults with Asthma in Jamaica. *Caribbean Journal of Nursing* 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.
- Lawrence, E., **Dawkins, P., Barton-Gooden, A. & Anderson-Johnson, P.** (2014). The practice of physical restraint usage among registered nurses on the medical floor of an acute care hospital in Jamaica. Caribbean Journal of Nursing 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.
- Vascianni, E., **Anderson-Johnson, P. & Kahwa, E.** (2014). Knowledge, Attitudes and Practices of Physical Activity among Peri-Menopausal

Women. *Caribbean Journal of Nursing* 1(2). The 24th Nursing and Midwifery Research Conference & 25th Mary J. Seivwright Day. May 29–30, 2014.

## RESEARCH GRANT

"An educational intervention to improve disease knowledge among adolescents with sickle cell disease". Investigators: **Antoinette Barton-Gooden, A.**, Dr. Monica Asnani & Dr. Jennifer Knight-Madden (Funded by the Principal's New Initiative Grant, J$1,500,000.00).

## PUBLIC & PROFESSIONAL SERVICE

**Bennett, J.**

– Board Member, Women's Health Network, Jamaica; Editor-in-Chief, *Caribbean Journal of Nursing*, Member of Editorial Board, *West Indian Medical Journal.*

**Dawkins, P.**

– Council Member, St. John Ambulance, Kingston Jamaica
– Member, Nursing Research Committee
– Member, Nurses Association of Jamaica
– Manuscript Reviewer, *Clinical Journal of Nursing Research*, University of Pennsylvania
– Expert Panelist, World Justice Project, Rule of Law Index

**Hepburn-Brown, C.**

– Manuscript Reviewer, *Clinical Journal of Nursing Research*, University of Pennsylvania
– Rater and Reviewer, McMaster University Online Rating of Evidence-based System Research (MORE)

**Kahwa, E.**

– Member, Editorial Board, *Canadian Journal of Nursing Research*

– Member, Editorial Board, C*aribbean Journal of Nursing*

**Lopez, S.**

– Board Member, The Heart Foundation of Jamaica

**Lindo, J.**

– Chairman, Mona Heights Primary School
– President, Hope Pastures Citizens' Association
– Convenor and Past Chair, Keble Crescent Neighbourhood Watch
– Member, Mother's Union, Church of St. Margaret's
– Member, Kiwanis Club of New Kingston
– Social Development Commission Representative for Hope Pastures
– Member, St. Andrew Civic Committee

**Weaver, S.**

– Member, Lions Club of St. Andrew Central
– Member, Health and Wellness Committee, Lions Club of St. Andrew Central

## STUDENTS: Undergraduate

| Category of Students | New | Returning | | Total |
|---|---|---|---|---|
| | 1st year | 2nd Year | 3rd Year | |
| BScN – Mona Campus | 146 | 138 | 146 | 430 |
| BScN – Western Jamaica Campus | 24 | 21 | 28 | 73 |
| BScN – franchised at EXED | 56 | 68 | 69 | 193 |
| BScN – franchised at Brown's Town Community College | 40 | 35 | 42 | 117 |
| BScN – franchised at Knox Community College | 25 | 29 | 25 | 79 |
| **Sub-Total** | **291** | **291** | **310** | **892** |
| BScN (post RN) online delivery. | 64 | 102 | | 166 |
| **Grand Total Undergraduates** | **355** | **703** | | **1,058** |

## Postgraduate Programmes

| Category of Student | Full-time | Part-time | Total |
|---|---|---|---|
| MPhil/PhD | – | 6 | 6 |
| MScN (Nursing Administration; Nursing Education) | 27 | 13 | 40 |
| MScN (Family Nurse Practitioner; Mental Health/Psychiatric Nurse Practitioner; Clinical Nurse Specialist-Gerontology Option) | 17 | 24 | 41 |
| **Total Postgraduates Students** | **44** | **43** | **87** |

Back to Table of Contents

# FACULTY OF SCIENCE & TECHNOLOGY
# Mona

## Year ending July 31, 2014

PROFESSOR PAUL REESE
**BSc (Hons), UWI, DPhil, *Sussex*, CChem, FRSC**
ACTING DEAN

# – *Dean's Overview* –

## STUDENT ENROLMENT AND ACCESS TO FACULTY PROGRAMMES

The number of undergraduate students enrolled in our Faculty has grown over the period 2009–2014 as illustrated below. The increase in recent years is largely due to the determined follow up of new incoming students by Faculty Office staff. (See figure 1).

Graduation data show an increasing number of students earning honours degrees with proportionately less receiving pass degrees. (See figure 2).

Each Department of our Faculty continues to be innovative and flexible in dealing with the large student numbers by adding extra class and laboratory streams, including weekend and evening classes, and adding equipment to improve throughput in laboratory sessions.

## MONA SCHOOL OF ENGINEERING

The Mona School of Engineering (MSE) was operationalized during academic year 2013/2014 to offer the Bachelors of Science in Civil Engineering, Computer Systems Engineering and Electronics Engineering. The first set of students was accepted to Civil Engineering and Computer Systems Engineering in September 2013, however, Electronics Engineering which started in September 2009 has accepted its sixth cohort. The

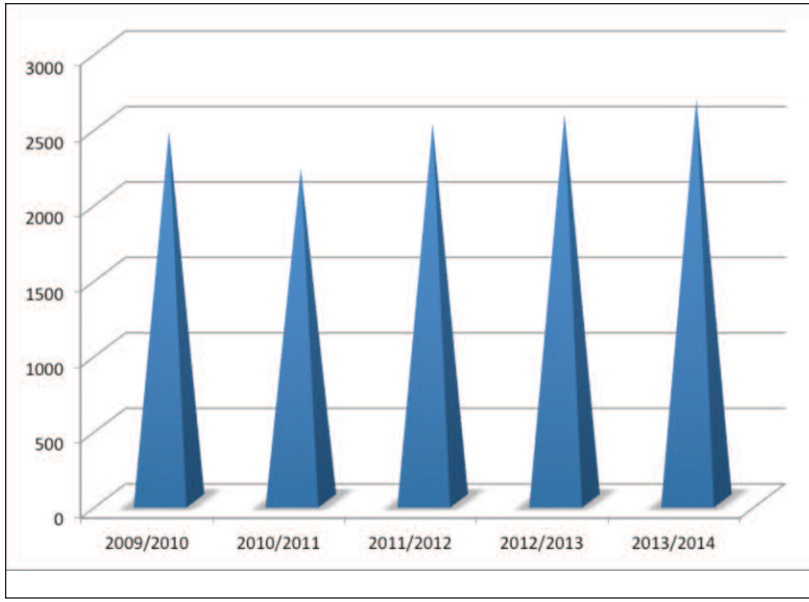


**Figure 1:** Number of registered students in the faculty

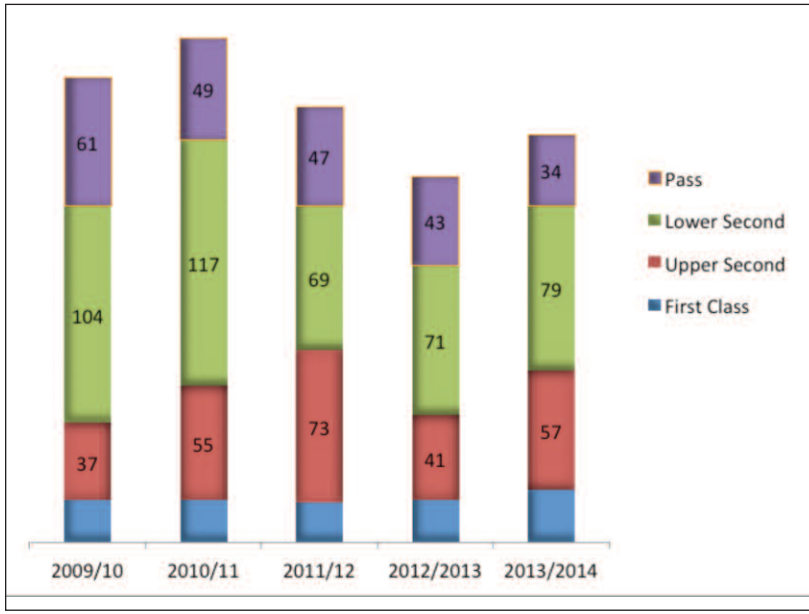


**Figure 2:** Number of Graduates and Degrees for the period 2009–2014

programmes are full-fee paying, and include a tablet and E-texts (prescribed books) for each student for all courses.

Student enrolment continues to increase in spite of the challenges of financing the tuition fees. The 2013/2014 enrolment statistics of students across the three engineering programmes is approximately 300 to date.

Five new academic staff, including a visiting Professor, were recruited from the Diaspora to commence teaching and research in academic year 2014/2015. The MSE is a self-financing organization with a Director that heads the school, full time and part time Academic, Administrative, Technical and other Support Staff. The MSE is strongly involved in academic activities within the Faculty of Science and Technology.

## ANNUAL FACULTY AWARDS CEREMONY

The Faculty celebrated outstanding achievers for the 2012/2013 academic year on Thursday, March 27, 2014. A total of 237 students and 35 staff members, who exhibited excellence in academics and service, were awarded.

## JAMAICA RHODES SCHOLAR

The University of the West Indies (UWI) Mona, once again won the prestigious Jamaica Rhodes Scholarship for 2014. Timar Jackson, a 24-year-old graduate of the Mona Campus of the UWI, was chosen from a field of nine short listed candidates, a very rigorous and challenging selection process. The holder of a First Class Honours degree in Actuarial Science, Mr. Jackson, a graduate of Vauxhall and Ardenne High Schools, is currently working as an Actuarial Analyst at Sagicor Life Jamaica Limited. He plans to pursue the Doctor of Philosophy degree in Mathematical and Computational Finance at the University of Oxford. This is the second year in a row that the Faculty of Science & Technology has copped this significant prize.

## GRADUATE STUDIES

Student Registration: Total graduate student enrolment on the campus in 2013/2014 was 3,447, including 495 (14%) in research degrees. In that year there were 438 (9.7% increase) graduate students (50% female) registered in the faculty of which 174 (40%) were pursuing research degrees. Approximately 35% of MPhil/PhD candidates on the Mona Campus are in the FST.

Graduate Degrees Awarded: Graduate degrees awarded for 2012–2013 from the FST compared to the Mona Campus total included 11 of 39 PhDs, 9 of 18 MPhils and 28 of 713 taught masters.

## ELSEVIER FOUNDATION AWARD

Research Fellow at the Natural Products Institute Dr Simone Badal-McCreath was one of five women chemists worldwide to be honoured with the Elsevier Foundation Awards for Early Career Women Scientists in the Developing World, for research that looked to Nature for ways of addressing cancer and other medical problems. Dr. Badal-McCreath's work covers the screening of Jamaican natural and synthetic compounds for potential anti-cancer and cancer-preventive properties. The anti-cancer research was conducted under the supervision of Dr. Rupika Delgoda. Dr. Badal-McCreath is a recent research graduate of the UWI.

## ANTI-CANCER SCREENING LABORATORY

The Natural Products Institute (NPI) launched its Anti-Cancer Screening Laboratory, a dedicated facility for screening Jamaican/Caribbean natural products for their worth in treating and preventing cancer. The facility, which was opened by the Minister of Health, the Honourable Fenton Ferguson, at a public ceremony on April 29, 2014, is aimed at investigating cancer treatment and preventive value of Jamaican and eventually Caribbean natural products from various sources, including terrestrial and marine plants and microorganisms.

## RADIOECOLOGY LAB

The official opening of the UWI Radioecology Laboratory in the Department of Physics was held on Thursday, February 6, 2014. This laboratory was established through collaboration of The University of the West Indies (UWI), The International Atomic Energy Agency (IAEA), and the Planning Institute of Jamaica (PIOJ).

## MEMORANDA OF UNDERSTANDING

During the Calendar year 2013/2014, the Faculty of Science of Technology organized the signing of the following MOUs:

**An MOA between the Ministry of Agriculture & Fisheries and the University of the West Indies.**

This MOA sets out the terms by which the Ministry of Agriculture and Fisheries and The University of the West Indies will collaborate to introduce a new processing technology, a Cassava processing pilot plant from CLAYUCA, Colombia.

**A General Agreement between the University of the West Indies and CLAYUCA Corporation**. The MOU provides support for Collaboration and Cooperation in the following areas:

- Cassava production, processing and utilization technologies;
- Biofuel production in small scale, based on cassava, sweet potato and sweet sorghum as feedstocks;
- Introduction and evaluation of improved cassava germplasm;
- Human Resource Development.

**An MOU between the University of the West Indies and the Jamaica Manufacturers' Association Limited.**

The aim of the MOU is to explore and implement mutually rewarding viable initiatives focused on:

- Internship and apprenticeship of students;
- Collaboration in research, development and innovation projects;

- Identification of sponsorship or funding to facilitate activities under this and other subsequent agreements;
- Sharing of scientific information on areas of mutual interest in the context of the policies of both institutions;
- Development of training programmes;
- Supporting the development of policies;
- Establishing a Centre of Excellence to facilitate the sustainability of the collaboration;
- Other industry academic collaboration including curriculum and faculty exchange.

## OUTREACH ACTIVITIES

The Faculty's Outreach Team visited a number of high schools across the island in parishes such as Kingston, Portland and St. James. A number of departments volunteered to assist with the recruitment of students. The faculty also hosted CXC workshops in Portland in May 2014 for students in the following subject areas: Mathematics, Physics, and Biology.

The Departments of Physics and Chemistry as well as the Electronics Unit hosted CAPE workshops on Campus in order to assist students in grasping some of the important science concepts, and to sensitize them towards university life and the competitiveness of getting into Science programmes at the UWI.

The FST also participated in the annual Denbigh Agricultural Show held August 1–3, 2014. The UWI, Mona used this opportunity to showcase its relevance to agriculture under our theme "UWI in Agriculture: Food Security and Climate Change", highlighting its national contributions via displays in research, product development and service. All participating Departments, Centres and Units mounted an impressive array of posters and interactive displays, and had readily available information on the offerings of the faculty, focussing especially on the Agriculture Entrepreneurial Programme. The other themes were "Animal Feed, Fertilizers and

Insecticides" (Department of Chemistry); "The Moringa Magic: exploring the Moringa plant's nutritional and medicinal potential" (Biotechnology Centre); "Shoreline Mitigation" (Centre for Marine Sciences); "The Smart House" which highlighted the potential for a non-grid connected home/frame base that can be set up at any convenient location with relative ease (Department of Physics); "Hydroponics Systems: an important technological step in the field of Agriculture" which showed the remote monitoring of crops (Mona School of Engineering in collaboration with the Department of Physics); display of aquariums and pest/natural enemy complex associated with a vegetable cropping system (Department of Life Sciences).

The Faculty participated in the "Relay for Life" event, for the second time, on June 14–15, 2014. The focus by the FST team for this year was Breast Cancer. The programme was coordinated to support the work of the Jamaica Cancer Society in its effort to raise funds to eliminate cancer as a major health problem in Jamaica. Some of the departments within the faculty are involved in cancer research in some way, from the discovery of molecules for treating cancer to the detection of the disease in humans. The booth provided such information and had displays that afforded an excellent opportunity for interaction with the public, educating them about various aspects of the Sciences and Cancer Research. The event represented a collaborative effort from personnel from all the departments who participated by raising funds, manning the booth and relaying at the event.

### RESOURCE MOBILIZATION UNIT (RMU)

The unit was established to develop information that would assist the Campus to structure and resource its research and commercialization enterprise. The RMU will continue to support and lead the work of the Mona Office of Research and Innovation (MORI) in the faculty. In October 2013, the unit welcomed its new Coordinator, Dr. Chadwick Anderson.

Dr. Anderson led the negotiations leading to the signing of an MOU

between UWI & the Jamaica Manufacturers' Association (JMA). The RMU is also managing a Needs Assessment Survey of the JMA and a Capacity Analysis Survey of Local Universities to support Manufacturers. The surveys are being carried out by Prof. Ian Boxill and his team. The results will be used to establish funded projects and initiatives to be executed by the Faculty and broader University.

The unit has been exploring opportunities existing in the bilateral agreements between Jamaica and its partners. It has negotiated partial funding for a Cassava Crop Improvement Research Program to be jointly undertaken by the Department of Life Sciences & Ministry of Agriculture & Fisheries.

The RMU provided support to the establishment of the University's Cassava pilot plant that is located at Elim, St. Elizabeth.

The RMU provided support to grant projects/project proposals totaling over USD 3.7 Million. One project currently underway is the IDB Funded: Building capacity and Regional Integration for the Development of a Generation of Entrepreneurs in Sustainable Energy and Information and Communication Technologies (BRIDGE). The RMU has developed the framework for a grants database for which funding is currently being sought for its execution, and is currently seeking to commercialize a very promising patent that was developed at UWI.

# DEPARTMENT OF CHEMISTRY

**Professor Helen Jacobs**, BSc, PhD, *UWI*
**Head of Department**

## OVERVIEW

At the end of academic year 2013–14, 48 students graduated with B.Sc. degrees in Chemistry – two with first class honours and nine with upper second class honours. Two candidates were awarded research degrees, and 15 received M.Sc. degrees in Occupational and Environmental Safety and Health (OESH). Six of the eight full time candidates in the first cohort of the M.Sc. Food and Agro-Processing Technology (FAPT) programme graduated, representing 75% throughput in minimum time. Faculty members published a total of 22 journal articles, gave 17 conference presentations and continued to make significant and varied contributions to the profile and impact of the University through outreach and professional service. The 25th biennial Mona Symposium on Natural Products and Medicinal Chemistry was held in January; the symposium is always an academically stimulating and enjoyable event for staff and research students. Two major instruments, a high pressure

liquid chromatography-tandem mass spectrometer (HPLC-MS-MS) and a quaternary HPLC system, were acquired by the Pesticides Research Laboratory under the European Union Capacity Building Project.

## HIGHLIGHTS OF MAJOR ACTIVITIES

### Mona Symposium

The 25th Mona Symposium on Natural Products and Medicinal Chemistry was held in the department, 6th–9th January 2014. The scientific programme included eight plenary lectures delivered by distinguished chemists from Germany (1), Japan (2) and the USA (5). Of the eleven short papers, one was given by a member of the Mona staff, and six by graduate students from Mona. There were 27 visiting participants, inclusive of plenary speakers.

### Staff Movements

**Dr. Paul Maragh** was promoted to Senior Lecturer, with effect from the beginning of the 2013–14 academic year. **Dr. Donna Minott-Kates** resumed teaching duties following a sabbatical year. **Dr. Andrea Goldson-Barnaby** was appointed to the post of Scientific Officer for the M.Sc. FAPT programme and served as maternity leave replacement for Dr. Camille Bowen-Forbes. **Ms. Ann-Marie Edwards** resigned from the post of Secretary III in the department to take up the position of Senior Secretary in the Department of Medicine.

### Physical Plant

The first floor suite adjacent to the main office, vacated by the Electronics Unit, was assigned to the Department of Chemistry and refurbished to accommodate personnel for the M.Sc. FAPT and OESH programme secretariats. The new instruments acquired by the Pesticides Research Laboratory were installed in the ground floor space beside the NMR laboratory, which was previously occupied by the OESH secretariat. The department also took over three rooms on the ground floor of the block

connecting the departments of Chemistry and Physics, and these have been converted to a classroom, sensory evaluation laboratory and product development laboratory for the M.Sc. FAPT programme.

### Students

Intake at all levels in the undergraduate programme was approximately the same as in the previous year.

**Table 1:** Numbers of students reading courses in chemistry, 2010–2014

| Level | **2010–2011 Sem 1/Sem 2** | **2011–2012 Sem 1/Sem 2** | **2012–2013 Sem 1/Sem 2** | **2013–2014 Sem 1/Sem 2** |
|---|---|---|---|---|
| Preliminary | 134/116 | 240/219 | 239/218 | 226/209 |
| Introductory | 537/458 | 537/458 | 546/506 | 544/488 |
| Advanced | 288/268 | 266/258 | 256/227 | 255/218 |
| Postgraduates | 50<br>32 F/T; 18 P/T | 45<br>30 F/T; 15 P/T | 42<br>29F/T; 13 P/T | 65<br>49FT/ 16PT |

* includes students registered in the MSc FAPT, but not OESH

Two M. Phil. degrees were awarded to the candidates shown below.

**Table 2:** Higher degrees in chemistry awarded in 2014

| **Degree completed** | **Name** | **Supervisor** |
|---|---|---|
| MPhil | Jeanese Henderson<br>Megil McNeil | Professor I. Kahwa<br>Dr. R. Porter |

## BOOK LOAN SCHEME

The Department continues to operate its book loan scheme for undergraduate students. Demand for textbooks for the introductory courses is still highest, followed by those for the preliminary courses.

## AWARDS AND PRIZES

For Research Day 2014, the following papers were selected as the three best publications from the FST in 2012–2013 and the authors received the Principal's Research Awards in this category

- "Antiproliferative activity and absolute configuration of zonaquinone acetate from the Jamaican alga *Stypopodium zonale*". **Winklet Gallimore**, Najair Pennicooke, Simone Badal, Rupika Delgoda, Kemil Walford and collaborators. *Phytochemistry*, 2013, 87, 96–101.
- "Isoreticular lanthanide metal-organic frameworks: syntheses, structures and photoluminescence of a family of 3D phenylcarboxylates". Zeyar Min, **Marvadeen A. Singh-Wilmot** and collaborators. *European Journal of Inorganic Chemistry* 2012, 2012(28), 4419–4426.
- "The potential of Cyathus africanus for transformation of terpene substrates." Paul Reese, Kayanne McCook-Russell, Avril Chen and collaborators. *Phytochemistry* 2012, 82, 61–66.

**Professor Paul Reese** was part of the team which received the award for the research project in the FST with the greatest business/economic development impact; the project was "Novel treatment of hyperglyceamia and hypertension in rat models".

At the Faculty Awards Ceremony held in March 2014, eight undergraduate students received awards ranging from $15,000 to $60,000, for their academic performance in Chemistry. They are **Alecia Robinson** (Cedric Hassall), **Kamar Thompson** (Garfield Sadler), **Christina Baker** (Wilfred Chan), **Tiffani Balckman** (Leonard J. Haynes), **Natasha Dyer** (Chemistry Department), **Clifton Thompson** (Pavelich/Honkan) and **Luciano Kelly** (Bertram Fraser-Reid), and the Willard Pinnock Prize was awarded to **Carlos Mingoes**. **Miss Maxine Hoffman** and **Dr. Marvadeen Singh-**

**Wilmot** were recognized for outstanding teaching assessments at the same function.

**Dr. Andrea Goldson-Barnaby** was awarded the 2013 TWAS ROLAC Travel Grant Award to the ICSU Conference Cancun, Mexico as well as the 2014 Developing Country Sponsorship Award.

### BETTER PROCESS CONTROL SCHOOL

The Better Process Control School (BPCS), a US-FDA approved certification course for food processors and regulators of the food industry, was held in the Department of Chemistry 13th–17th January 2014. Currently coordinated by **Dr. Donna Minott Kates**, the course has been continually run since 1995, initially at 2-year intervals. It is now offered annually to companies in Jamaica and across the region. The UWI was the first and is currently the only non-US institution approved by the FDA to offer the BPCS. This year, there were 28 participants (including one from National Canners, Trinidad) all of whom were certified as having satisfactorily completed the course of instruction in the processing of low acid and acidified foods.

### VISIBLE EMISSIONS TRAINING

The Department of Chemistry hosted two Visible Emissions training courses (Smoke Schools) which were run by The National Environment and Planning Agency (NEPA), 21st January and 22rd July 2014; 35–40 persons attended the classroom modules of the training. This training is administered by Eastern Technical Associates (ETA) from the US; ETA is a United States Environmental Protection Agency (US-EPA) certified training institution. Two to four members of the Department of Chemistry participated in each course. The skill set developed in these courses is recognized internationally.

### VISITORS TO THE DEPARTMENT

**Dr. Basil Burke** of Elgae Associates, Palo Alto, California, and former CEO of UWI Consulting, visited the department for the period 3rd -

26th January 2014. Dr. Burke produced a review and evaluation of the Mona Symposium, with recommendations for its reorganization and development. He attended the 25th Mona Symposium and held discussions with symposium participants, organizers, and other stakeholders.

**Professor Robert Hanson** of St. Olaf College in Minnesota visited the Department for two weeks in January as part of his collaboration with Professor Robert Lancashire on Open Source software projects. Professor Hanson holds the Edolph A. Larson and Truman E. Anderson Sr. Chair in Chemistry and currently serves as chair of the Chemistry Department at St. Olaf. While here, he made presentations to students during the CHEM2111 (Inorganic Chemistry) Laboratory course on symmetry. He delivered a seminar, entitled "Molecular Visualization in the Age of International Connectivity", which attracted over 100 students and staff.

**Michelle Gordon**, a biology student from the University of the Virgin Islands (UVI) visited the Department of Chemistry at Mona for the period 9th–18th December 2013. Her visit took place under the aegis of the collaboration between Dr. Wayne Archibald, Director, Caribbean Centre for Green Technology, UVI, and the Departments of Chemistry and Physics, FST, and was also a follow-up to the UWI Biodiesel Scoping Mission that visited UVI in October 2013. While here, she participated in laboratory and industrial manufacture and analysis of biodiesel, supervised by Dr. Michael Coley.

**Professor Simisi Dube** and **Professor Mathew Nindi**, both analytical chemists, of the Department of Chemistry, University of South Africa (UNISA) visited the Mona Campus and the Department of Chemistry on Thursday, 27th February. They met faculty members with research interests similar to theirs and discussed possible collaboration. UNISA drives a strong research agenda, and encourages and supports international collaboration. Professors and Nindi were in Jamaica at the invitation of Bazba Theatrical Players to participate in discussions and workshops on community engagement for the benefit of learners in Science, Engineering and Technology.

## STAFF-STUDENT EXCHANGE PROGRAMME

Two undergraduate students in Chemistry from Mona, **Carlos Mingoes** and **Rachael Taitt,** spent semester 2 at the University of Gothenburg under the aegis of the staff-student exchange funded by the Linnaeus-Palme Foundation. Visiting our department from Gothenburg were **Prof. Johan Boman** and undergraduate students, **Sofia Johansson** and **Sepideh Moghadam**. This exchange programme is coordinated by **Prof. Åke Nilsson** (Gothenburg) and **Dr. Novelette Sadler-McKnight** (UWI).

## SEMINARS

Under the leadership of the Seminar Coordinator, **Dr. Marvadeen Singh-Wilmot**, members of the department enjoyed an active seminar programme. Fourteen seminars spanning a wide range of topics were delivered by visitors, faculty and postgraduates; seminars delivered by visitors to the department are listed below.

- **Professor Robert Hanson**, St. Olaf College, Northfield, Minnesota, USA, "Molecular Visualization in the Age of International Connectivity", January 23, 2104.
- **Professor Simisi Dube and Professor Mathew Nindi**, University of South Africa (UNISA), "Technological Developments in Mass Spectrometry, Chromatography and Sample Preparation: A New Dimension to Food Safety and Challenges in Africa", February 27, 2014.
- Dr. Nickeisha Stephenson, Post-Doctoral Associate, Harvard Medical School, Massachusetts General Hospital, "Catalytic Transamidation and From Organic Chemist to Radiochemist, my Foray into Fluorine-18 Chemistry", April 24, 2014.

## OUTREACH ACTIVITIES

### Internal

Students and teachers from Osbourne Store Primary School were hosted in the Department on the 7th November 2013. The students enjoyed

engaging demonstrations of chemical phenomena which were conducted with the assistance of undergraduate chemistry students. The visit was coordinated by **Dr. Winklet Gallimore**.

A workshop entitled "Practical Aspects of Sensory Evaluation of Foods: Discrimination and Affective Testing – Principles, Hands-On Experience and Survival Skills" was held in the department, 14th–16th November 2013. It was organized by the staff involved in the MSc (FAPT) programme with the aim of raising the knowledge, skill and competence of food industry professionals in Jamaica. The presenter was Dr. Margaret Hinds, a graduate of the UWI (St Augustine campus). Dr. Hinds is a Certified Food Scientist and is currently Senior Sensory Project Manager at Givaudan Flavors (USA). Sensory Evaluation has been identified as an underserved area of expertise within the local industry. There were 19 participants; companies and organizations represented included Grace Kennedy, Nestle, Wisynco, Salada Foods the Scientific Research Council.

During the period 13th–17th January 2014, the department held another successful series of workshops on Spectroscopy and Chromatography for the Caribbean Advanced Proficiency Examinations (CAPE) in Chemistry. A total of 1,165 students and 59 teachers from 47 schools participated. These workshops were coordinated by **Dr. Novelette Sadler–McKnight**.

**Dr. Ainka Brown** coordinated a problem-solving competition for grade 11 high school pupils, which was held in the department on the 27th March 2014. Eight schools from across the island participated. The aim of the competition was to improve competence in application of the mole concept in an atmosphere of fun. Accompanying teachers attended a workshop on strategies for teaching the mole concept. The winners were Immaculate Conception High School (1st), Campion College (2nd) and Wolmer's Girls' School (3rd). Support was received from the Petroleum Corporation of Jamaica (PCJ), Environmental Solutions Ltd (ESL) and the Gleaner Company.

### External

**Dr. Winklet Gallimore** coordinated the demonstrations from the department students at the Denbigh Agricultural Show, 4th–6th August 2013.

**Dr. Minott Kates** made a presentation at the Founders' Day Mini-Symposium, College of Agriculture, Science and Education (CASE), Passley Gardens, Portland, 24th January 2014: "Ackee: Myths versus Research Findings"

**Drs. Brown, Facey, Gallimore, Goldson-Barnaby** and **Maragh** participated in the Campion College inaugural Science Career Rap Session on the 12th February, 2014. Students (from first, third and sixth form) were shown posters describing research being carried out in the Department, and posters demonstrating how graduates in Chemistry have applied their training to solving topical problems, creation of new knowledge and manufacture of popular Jamaican products. Material with the course/degree offerings of the Department of Chemistry and potential careers was also on display. Dr. Gallimore conducted an interactive Chemistry demonstration.

Through the efforts of **Dr. Gallimore**, staff and students participated in the Relay For Life, a Jamaica Cancer Society fundraising event held 14th – 15th June 2014. An interactive display with scientific experiments, live organisms and posters enabled the staff and students from the Faculty to interact with the Relay for Life participants who visited the Faculty booth. The Faculty was awarded third prize for the display. Total funds collected: $144,171.

### PAPERS PRESENTED

- **F.W.O. Banton, R. B. R. Porter**. "Secondary metabolites from the aerial parts of Bursera lunanii." (Oral presentation). 25th Mona Symposium on Natural Products and Medicinal Chemistry, Kingston, Jamaica, 6th–9th January 2014.
- **A. Brown,** S. Jarrett. "The Use of a Thioxotriazinone en route to a

Conformationally Restricted Analogue of the Plant Metabolite (E)-Caracasanamide". (Oral presentation). 25th Mona Symposium on Natural Products and Medicinal Chemistry, Kingston, Jamaica, 6th – 9th January 2014.

- **S. Daley, Y. Jackson**, **N. Downer-Riley**. "Approaches Towards the Efficient Synthesis of Balsaminone A". (Oral presentation). 25th Mona Symposium on Natural Products and Medicinal Chemistry, Kingston, Jamaica, 6th–9th January 2014.
- **S. Daley, Y. Jackson, N. Downer-Riley**. "Approaches Towards a New and Concise Route for the Synthesis of Balsaminone A". (Poster). 15th Florida Heterocyclic & Synthetic Conference, University of Florida, Gainesville, Florida, USA. 2nd–5th March 2014.
- **N. Downer-Riley**, O. Barrett, **Y. Jackson**. "The Versatility of Thiocarbonyls as Precursors to 5-Membered Heterocycles". (Invited lecture). Florida Heterocyclic & Synthetic Conference, University of Florida, Gainesville, Florida, USA. 2nd–5th March 2014.
- **W. Gallimore**. "Launching into the Deep: The Search for Natural Products from the Sea". (Oral presentation). Cariscience Conference and Annual General Meeting, Runaway Bay, Jamaica, 14th–17th, November, 2013.
- **W. Gallimore**. "Diving In! The Search for Natural Products from the Sea". (Oral presentation). Workshop on the Nagoya Protocol on Access and Benefit Sharing (ABS), Faculty of Science and Technology, UWI, Mona Campus, Jamaica, 28th November 2013.
- **W. Gallimore**, **S. Moulton.** "Approaches to the Chemical Modification of Stypoldine from the Jamaican Alga *Stypodium zonale*". (Poster). 14th International Symposium on Marine Natural Products & 8th European Conference on Marine Natural Products, Galacia, Spain, 15th–20th September, 2013.
- **Y. Jackson**, "The UWI: Producing Ethically Grounded Students". (Oral presentation – invited panel member). Ethics Conference – Towards a Corruption-Free Caribbean: Ethics, Values & Morality, UCCI, Grand Cayman, March 2014.

- A. A. Johnson, **H. Jacobs**. "Antimicrobial 4-hydroxy-2-octadec-(11Z)-enoylcyclohexane-1,3-dione and Other Secondary Metabolites from Various Jamaican *Peperomia* species". (Poster) 247th ACS National Meeting & Exposition, Dallas, Texas, USA, 16th–20th March 2014.
- **R. J. Lancashire**, R. M. Hanson. "JCAMP-MOL: A JCAMP-DX Extension to Allow Interactive Model/Spectrum Exploration Using Jmol and JSpecView". 246th ACS National Meeting & Exposition, Indianapolis, IN, USA, 8th–12th Sept, 2013.
- **R. J. Lancashire**, A. N. Davies. "30 Years of JCAMP-DX Formats and Still Going Strong". 246th ACS National Meeting & Exposition, Indianapolis, IN, USA, 8th–12th Sept, 2013.
- **S-A. Parker, H. Jacobs**. "Polycyclicpolyisoprenylated Acyl Pholroglucinol Derivatives from Clusiaceae Species of Jamaica". (Oral presentation). 25th Mona Symposium on Natural Products and Medicinal Chemistry, Kingston, Jamaica, 6th–9th January 2014.
- **A. Redway**, R. C. Higgins, **N. Downer-Riley**, **Y. Jackson**. "Novel Route to the Synthesis of Azacoumarins". (Oral presentation). 25th Mona Symposium on Natural Products and Medicinal Chemistry, Kingston, Jamaica, 6th–9th January 2014.
- **A. O. Redway, N. K. Downer-Riley**, **Y. A. Jackson.** "Alternate Route to the Synthesis of Pyridocoumarins: Unusual Reactions of 4-Oxotetrahydroquinolines" (Poster). 15th Florida Heterocyclic & Synthetic Conference, University of Florida, Gainesville, Florida, USA. 2nd–5th March 2014.
- **A. Tate, P. B. Reese**. "Generation of Novel Analogues from the Tetracyclic Diterpene Stemodin". (Oral presentation). 25th Mona Symposium on Natural Products and Medicinal Chemistry, Kingston, Jamaica, 6th–9th January 2014.
- **A. Tate, P. B. Reese**. "Generation of Novel Analogues from the Tetracyclic Diterpene Stemodin". (Poster) 247th ACS National Meeting & Exposition, Dallas, Texas, USA, 16th–20th March 2014.

## PUBLICATIONS

### Books and Monographs

- R. A. Taylor, H. **A. Ellis**. *Zinc Carboxylate Liquid Crystals*. Germany: LAP Lambert Academic Publishing , 2013.

### Refereed Journal Articles

- **M. Bakir**, C. Gyles. "Molecular Sensing Behaviour of the First Molybdenum Compound of di-2-Pyridyl Ketone-p-nitrophenylhydrazone" (dpknph), [Mo(CO)4(dpknph)], *J. Spectroscopy and Dynamics* 4, 3 (2014): 18–23.
- **M. Bakir**, R. Conry, D. Thomas. "Synthesis, Solution Properties and Solid-State Structural Analysis of [Mn( 4-N,N,S,N-dpktsc)Br]2.nCH3CN (n = 1 or 0 and dpktsc = di-2-pyridylketone thiosemicarbazone). "*J. Coordination Chemistry* 67 (2014): 249–264.
- C. Brown, N. McFarlane-Anderson, R. Alexander-Lindo, K. Bishop, **T. Dasgupta**, D. McGrowder. "The Effects of S-nitrosoglutathione and S-nitroso-N-acetyl-D, L-penicillamine in a Rat Model of Pre-eclampsia". *Journal of Natural Science, Biology and Medicine* 4, 2 (2013): 330–335.
- **N. Downer-Riley**. "Highlight Syntheses". *Annual Reports on the Progress of Chemistry*, Section B: *Organic Chemistry* 109 (2013): 43–46. DOI: 10.1039/C3OC90003G
- A. Padwa, Y. Zou, B. Cheng, H. Li, N. **Downer-Riley**, C. S. Straub. "Intramolecular Cycloaddition Reactions of Furo[3,4-b]indoles for Alkaloid Synthesis". *J. Org. Chem.* 79, 7 (2014): 3173–3184. DOI: 10.1021/jo500331j.
- **P. N. Nelson, H., A. Ellis,** R. A. Taylor. "Effects of molecular and lattice structure on the thermal behaviours of some long chain length potassium(I) n-alkanoates". *Journal of Molecular Structure* 1058 (2014): 234–243.

- **P. N. Nelson, H., A. Ellis,** R. A. Taylor. "Reply to comments on the inter-planar structures and lamellar packing of short and long chain zinc (II) n-alkanoates". *Journal of Molecular Structure* 1070 (2014): 106–109.
- **P. N. Nelson, H., A. Ellis.** "Odd-even chain packing, molecular and thermal models for some long chain sodium(I) n-alkanoates". J*ournal of Molecular Structure* 1075 (2014): 299–310.
- M. Thompson, **W. Gallimore**. "Antileishmanial, Antimalarial and Antimicrobial Activity of the Jamaican 'Touch-me-not' sponge *Neofibularia nolitangere*". *Journal of Applied and Pharmaceutical Sciences*, 3 (2013): 80–83.
- **P. T. Maragh, K.-A. Green**, K. Abdur-Rashid, A. J. Lough, **T. P. Dasgupta**. "Alternative Synthetic Methods for some PEPPSI-type Palladium Complexes". *European Journal of Inorganic Chemistry* 22 (2014): 3600-3607. DOI: 10.1002/ejic.201402317
- **P. T. Maragh, K.-A. Green**, K. Abdur-Rashid, A. J. Lough, **T. P. Dasgupta**. "Imidazolinium Salts Derived from Amino[2.2] Paracyclophane Compounds: Synthesis and Hydrolytic Ring-opening". *Tetrahedron Letters* 55, 36 (2014): 5085–5087.
- G.-A. Bent, **P. Maragh, T. Dasgupta**, "*In vitro* Studies on the Reaction Rates of Acrylamide with the Key Body-fluid Thiols L-Cysteine, Glutathione, and Captopril". *Toxicology Research*, (2014): DOI: 10.1039/C4TX00059E.
- M. Roberts, **D. A. Minott**, S. Pinnock, P. F. Tennant, J. C. Jackson. "Physicochemical and Biochemical Characterization of Transgenic Papaya Modified for Protection against *Papaya ringspot virus*". *Journal of the Science of Food and Agriculture* 94, (2014): 1034–1038.
- O. C. Falloon, G. Baccus-Taylor, **D. A. Minott**. "A Comparative Study of the Composition of Tree-ripened versus Rack-ripened Ackees (*Blighia sapida*)". *West Indian Journal of Engineering* 36, 2 (2014): 69–75.
- A. Goldson, D. Bremmer, K. Nelson, **D. A. Minott-Kates.** "Fat

Profile of Jamaican Ackees. Oleic Acid Content and Possible Health Implications". *West Indian Medical Journal* 63, 1 (2014). http://dx.doi.org/10.7727/wimj.2013.052

- M. Abayomi, A. S. Adebayo, D. Bennett, **R. Porter**, J. Shelly-Campbell, G. Dawkins. "Phytochemical Testing and in vitro Antibacterial Activity of Bixa orellana (Annatto) Seed Extract". *British Journal of Pharmaceutical Research* 4 (2014): 1387–1399.
- M. Abayomi, A. S. Adebayo, D. Bennett, **R. Porter**, J. Shelly-Campbell. "In vitro antioxidant activity of *Bixa orellana* (Annatto) Seed Extract". *Journal of Applied Pharmaceutical Science* 4 (2014): 101–106.
- **R. Porter**, L. Williams, G.-A. Junor, C. Green. "Jamaican Spices as Food Preservatives". *Annals of Tropical Research* 1 (2013): 13–22.
- A. Spence, R. Hanson, C. Grant, L. Hoo Fung, **R. Rattray**. "Assessment of the Bioavailability of Cadmium in Jamaican Soils". *Environmental Monitoring and Assessment* 186, 7 (2014): 4591-4603. DOI:10.1007/s10661-014-3722-9.
- G. Lalor, V. **Rattray, L.** Hoo Fung. "Cadmiun in Jamaican Bush Teas". *West Indian Medical Journal.* (2014): 63. DOI: 10.7727/wimj.2012.322.
- W. M. Forbes, W. Gallimore, A. Mansingh, **P. B. Reese**, R. D. Robinson. "Eryngial (trans-2-dodecenal), A Bioactive Compound from *Eryngium foetidum*: Its Identification, Chemical Isolation, Characterization, and Comparison with Ivermectin *in vitro*". *Parasitology* 141 (2014): 269–278.

## PATENT APPLICATION

- D. Daley-Beckford, T. H. Yee, R. L. Alexander-Lindo, **P.B. Reese** (inventors). "Extracts from *Eucalyptus camaldulensis* for the treatment of hyperglycemia and hypertension". UWI (assignee). U.S. Patent pending (application 14046759; filed October 4, 2013).

## RESEARCH GRANTS & INCOME GENERATION

**The Pesticides Research Laboratory/Professor Tara Dasgupta**: €600,000 from the European Union through the Economic Partnership Agreement (EPA) Capacity Building Project for the acquisition of LC-MS-MS and Quaternary HPLC instruments and accessories, and for training in the use of the instruments.

**Professor Paul Reese**: US$2,729.00 from the Mona Campus Committee for Research & Publications and Graduate Awards to support the project "Generation of new natural products from the fungus *Trichoderma harzianum*".

**Dr. Novelette Sadler-McKnight**: SEK 252,920 (J$4,296,630) from the Linnaeus-Palme Foundation to support staff/student exchange programme for academic year 2014–15 between the Department of Chemistry and Molecular Biology, University of Gothenburg, Sweden and the Mona Campus of UWI. This programme is being funded for the eighth consecutive year.

Consultation fees, summer school and rental of facilities: J$8.3M

Better Process Control School: J$2.1M

## PROFESSIONAL AND PUBLIC SERVICE

**Professor R. Lancashire**

- Member, Jamaican Research and Education Network (JREN) stakeholders group
- Secretary and a Director of the Caribbean Academy of Sciences, Jamaica (CASJ)
- Secretary of the IUPAC Committee for printed and Electronic Publications (CPEP)
- IUPAC representative to ICSU committee on Data for Science and Technology (CODATA)

**Dr. P. Maragh**

- Executive Member, National Council for Indian Culture in Jamaica
- Treasurer, Campion College Home School Association
- Assistant Chief Examiner for CXC (CSEC) Chemistry
- External Examiner for Chemistry – University of Technology
- External Examiner for Chemistry – Joint Board for Teacher Education
- External Examiner for Chemistry (Science & Technology) – MICO University
- External Examiner for Chemistry – College of Agriculture, Science & Education

**Dr. D. Minott-Kates**

- Member, National Food Standards Committee – Bureau of Standards Jamaica

**Dr. R. Porter**

- Committee member: The National Mirror Committee (NMC) for ISO TC 93 Starch (Including Derivatives and By-Products), The Bureau of Standards Jamaica (BSJ)

**Dr. R. Rattray**

- Technical Assessor for the Jamaica National Agency for Accreditation (JANAAC) in evaluation of the Chemistry Laboratory of the Bureau of Standards Jamaica (BSJ)
- Member, Board of Directors of the Lions Club of Mona (for 2014–2015)

# DEPARTMENT OF COMPUTING

**Dr. Ezra K. Mugisa**, PhD London Imperial College, DIC, CITP
**Head of Department**

## WORK OF THE DEPARTMENT

### Curriculum Review

Having completed the major review of our undergraduate courses and programmes the Department mounted three programmes and two majors as follows:

| Programme | Majors |
|---|---|
| BSc (General) | Computer Science<br>Software Engineering |
| BSc Information Technology<br>(also offered at WJC) | |
| BSc Computer Systems Engineering<br>(with Mona School of Engineering) | |

We turned our attention to a review of the postgraduate programmes with a view to bringing them in line with our revised undergraduate offering.

### WESTERN JAMAICA CAMPUS

We continue to experience challenges with the infrastructure for live streaming of lectures to WJC. Whereas, as an alternative, we may be able to use available software to interact remotely with small groups of students at WJC, this will become more difficult as the number of students grows.

### INDUSTRY ADVISORY BOARD

Following a recommendation from the quality assurance review of the Department, we had the inaugural meeting of our Industry Advisory Board on October 9, 2013. The membership was initially made up of representatives from the following organisations: Fiscal Services (eGov Jamaica Limited), Ministry of STEM, PSOJ, BOJ, Lime, and Development Consortium International.

### WAVE LAB

Funded by a New Initiative Grant for the project "Enabling cutting edge research in Interactive Computing and New Media Technology: The Web, Animation, Visualisation and E-learning (WAVE) Research Laboratory" (P.I. Dr A.G. Hamilton-Taylor), the WAVE lab was opened to coincide with UWI Research Days 2014 in space renovated by the Department of Computing. It provides facilities for natural user interface/virtual reality, 3D stereoscopic displays, 3D stereoscopic video recording, ergonomic input devices, and surround-sound. It is the first computing facility of its type at UWI, and to the best of our knowledge, at any tertiary institution in CARICOM. The WAVE lab is currently being utilised by postgraduate students pursuing their research projects under the supervision of Dr Hamilton-Taylor. An undergraduate group completed a final-year capstone project to control a robotic arm by using

natural user interfaces to monitor and interpret the gestures of a human. Given its initial size, the WAVE lab caters primarily to postgraduates and undergraduates pursuing special projects. However, first-year undergraduate students have been afforded the opportunity for introductory interaction with this cutting-edge technology in the Computing & Society course.

## BOOK LAUNCH

Dr. Gunjan Mansingh and co-editors Dr. Lila Rao-Graham and Professor Kweku-Muata Osei-Bryson launched their book on February 20, 2014 during Research Days activities – book title: *Knowledge Management for Development: Domains, Strategies and Technologies for Developing Countries*; publisher: Springer

## STAFFING

There were two additions to the staff of the department. We welcomed Dr. Simon Ewedafe as a new senior lecturer, specialising in Parallel and Distributed Computing, Numerical Parallel Computation, and Numerical Analysis (Partial Differential Equations). He arrived in January 2014. Dr. Claudine Allen accepted her appointment as lecturer, specialising in software engineering, and she was slated to report in September 2014. This brings the complement of full-time academic staff to twelve: three senior lecturers, six lecturers and three assistant lecturers. We also employed the services of six part-time lecturers. Dr. Gunjan Mansingh was on sabbatical during the academic year and was replaced by Mrs. Careene Rodney, who was appointed as Special Instructor.

The contracts of two Visiting Professors were renewed for two more years from October 2013. They are Professor Kweku-Muata Osei-Bryson, Professor of Information Systems, Virginia Commonwealth University, Richmond, VA, USA and Professor Robert France, Professor of Computer Science, Colorado State University, USA. The two senior professors continue to work with junior staff and research students, while making important contributions to curriculum development and other matters.

Professor Osei-Bryson visited the Department twice during this academic year and met research students and interested junior staff.

Our administrative unit continues to be ably run by Mrs. Donna Burke, Senior Administrative Assistant, Mrs. Fiona Porter-Lawson, Administrative Assistant II and Miss Kerry-Ann Wilkinson, Secretary III.

## PUBLICATIONS

### Books

- Osei-Bryson, K. M., **Mansingh G.** and Rao-Graham L (editors). Knowledge Management for Development: Domains, Strategies and Technologies for Developing Countries, Springer, *Integrated Series in Information Systems* (2014). http://link.springer.com/book/10.1007

### Chapters in Books

- Osei-Bryson, K. M., **Mansingh G.** and Rao-Graham L. "Understanding and Applying Knowledge Management and Knowledge Management Systems in Developing Countries: Some Conceptual Foundations." In Knowledge Management for Development: Domains, Strategies and Technologies for Developing Countries, Editors Osei-Bryson, K. M., Mansingh G. and Rao-Graham L. Publisher Springer *Integrated Series in Information Systems* (2014) pp. 1–16.
- **Mansingh G.**, Osei-Bryson, K. M. and Reichgelt H. "Managing Expert Knowledge to Assist in Management of Coffee Pests and Diseases in Jamaica." In Knowledge Management for Development: Domains, Strategies and Technologies for Developing Countries, Editors Osei-Bryson, K. M., Mansingh G. and Rao-Graham L. Publisher Springer, *Integrated Series in Information Systems* (2014) pp. 43–56.
- **Anderson, R.** and **Mansingh G.** "Migrating MIS to KMS: A Case Study of Social Welfare System." In *Knowledge Management for Development: Domains, Strategies and Technologies for Developing*

*Countries*, Editors Osei-Bryson, K. M., Mansingh G. and Rao-Graham L. Publisher Springer, *Integrated Series in Information Systems* (2014) pp. 93–110.

- **Mansingh G.** and Rao-Graham L (2014). "The Role of Ontologies in Developing Knowledge Technologies." In Knowledge Management for Development: Domains, Strategies and Technologies for Developing Countries, Editors Osei-Bryson, K. M., Mansingh G. and Rao-Graham L. Publisher Springer, *Integrated Series in Information Systems* (2014) pp. 145–156.
- **Mansingh G.**, Osei-Bryson, K. M. and Reichgelt H. "Knowledge Sharing in the Health Sector in Jamaica: The Barriers and the Enablers." In Knowledge Management for Development: Domains, Strategies and Technologies for Developing Countries, Editors Osei-Bryson, K. M., Mansingh G. and Rao-Graham L. Publisher Springer, *Integrated Series in Information Systems* (2014) pp. 43–56.3

**Refereed Journal Articles**

- **Ewedafe S. U**, and Rio H. S. "On the Parallel Design and Analysis for 3-D ADI Telegraph Problem with MPI". *International Journal of Advanced Computer Science and Applications (IJACSA)*, Vol. 5. No. 4, (2014) pp. 122–129
- Rao L., **Mansingh G.** and Duggan Evan. "An Ontology of Controversial Terms at the Core of the Systems Life Cycle". *International Journal of Metadata, Semantics and Ontologies*, 9(3) (2014), pp 171–183.

**Peer-reviewed Conference Proceedings**

- **Beckford, Carl** and **Mugisa, Ezra** (2014) "Generating A Clash Free Teaching Timetable". In Proceedings of KES Conference on Smart Technology based Education and Training 2014: KES (STET 2014), Chania, Greece, June 2014.
- **Busby-Earle**, C., France, R. B. and Ray, I.: "Analysing Requirements to Detect Latent Security Vulnerabilities". In Proceedings of the

IEEE Eighth International Conference on Software Security and Reliability – Companion (SERE-C), San Francisco, California, 2014, pp. 168–17

- **Ewedafe Simon Uzezi** and Rio Hirowati Shariffudin. "On the Parallel Performance of Stationary Iterative Technique with MPI on 1-D Bio-Heat using Domain Decomposition". In Proceedings 6th International Conference from Scientific Computing to Computational Engineering (6th-IC-SCCE), Athens, Greece, 7–10 July, 2014
- V. F. Taylor and **D. T. Fokum**, "Mitigating Black Hole Attacks in Wireless Sensor Networks Using Node-Resident Expert Systems". In Wireless Telecommunications Symposium 2014 (WTS 2014), Washington, DC, USA, Apr. 2014, pp. 1–7.
- R. Bedward and **D. T. Fokum**, "A Cloud Computing Adoption Approach for Jamaican Institutions". In Proc. IEEE SoutheastCon. Lexington, KY, USA: IEEE, Mar. 2014.
- **Paul Gaynor** and **Daniel Coore**: "Towards Distributed Wilderness Search using Reliable Distributed Storage Device built from a Swarm of Miniature UAVs." In Proceedings of the The 2014 International Conference on Unmanned Aircraft Systems (ICUAS'14), Orlando, FL, May 27–30
- **Jason Murphy** and **Daniel Coore**: "Towards an Extensible Calculus for Spatial Computing". In Proc. IEEE SoutheastCon. Lexington, KY, USA: IEEE, Mar. 2014.
- **K. Miller** and **G. Mansingh**, "Towards a distributed mobile agent decision support system for optimal patient drug prescription". In Proceedings of Third International Conferenceon Innovative Computing Technology (INTECH), 2013, Aug 29–31, 2013, pp. 233–238.

### Technical Reports

- Busby-Earle, C., France, R., and Ray, I.: "Analysing Requirements to Detect Latent Security Vulnerabilities". Computer Science Technical Report, Colorado State University, Fort Collins, Colorado, 2013

## INCOME GENERATION

Dr. Simon Ewedafe was awarded a New Initiative Grant of J$1,395,000 for the project, "Distributed Cluster System for Scientific and Engineering Computation: A Case for Atmosphere Process (AP) and Active Thermal Control Process (ATP)". The grant becomes effective August 2014.

We continued to run a number of income-generating activities as shown in the table below:

| Programme/Activity | Income | Expenditure | Net Income |
|---|---|---|---|
| MSc Computer Science | 25,277,839.45 | 5,127,854.29 | 20,149,985.16 |
| MSc CBMIS | | | n/a |
| Cisco Networking Academy | 2,073,966 | 1,649,489 | 424,477.00 |
| Summer School | 500,000 | 490,910.99 | 33,478.97 |
| Consultancy | 3,474,067.14 | 464,809.58 | 3,009,257.56 |

## PUBLIC SERVICE

### Curtis Busby-Earle

- He was contracted by the Inter-American Development Bank (IDB) to diagnose the state of the Information Technology systems of the Jamaican National Insurance Scheme, to propose possible improvements and design a new, core software system. October 2013–March 2014
- Through the Ministry of Science, Technology, Energy and Mining he was invited to be a member of the National Cybersecurity Task Force (NCSTF) and Chair of the Human Resources and Capacity Building sub-committee. The NCSTF has been responsible for the

development of Jamaica's first national policy and strategy on cyber security. July 2013–Present

**Daniel Fokum**

– Reviewer: IEEE Transactions on Vehicular Technology and IEEE Southeastcon 2014.

**Gunjan Mansingh**

– Reviewer for *INFORMs – Journal of Computing.*

– Organized and conducted a 2 Day Business Intelligence Workshop in collaboration with Tax Administration of Jamaica (TAJ), November 27-28, 2013, Kingston, Jamaica.

– A Track chair for International Conference on Information Resources Management – Conf-IRM 2014 and 2015 – ICT in ASEAN, Latin America and the Caribbean.

– A reviewer for journal *Knowledge Management Research and Practice Journal*, 2014.

Wright J.-M. and **Mansingh G**. (2014). An algorithm to extract Jamaican geographic locations from news articles – Using NLP techniques. Proceedings: International Conference on Information Resources Management (Conf-IRM) – Big Data: Revolutionizing How We Live, Work, and Think. Ho Chi Minh City, Vietnam, 21st-23rd May, 2014.

– External Examiner for University of Western Cape, MSc. Thesis.

**Ezra K. Mugisa**

– Member UCJ ICT Accreditation Committee

– Member International Programme Committee, First International KES Conference on Smart Technology based Education and Training

## STUDENTS

### Student Throughput

The table below shows a breakdown of the numbers of students who graduated from the various programmes we offer:

| Programme | BA (CS) | | | BSc (CS) | | | MSc (CBMIS) | | | BSc (SWEN) | | | MSc (CS) | | | MPhil | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Faculty | FHE | | | FST | | | FSS/FST | | | FST | | | FST | | | FST | | |
| Gender | M | F | Total | M | F | Total | M | F | Total | M | F | Total | M | F | Total | M | F | Total |
| 1st Class | | | | | 1 | 1 | 9 | 4 | 13 | | | | 1 | 1 | 2 | | | |
| 2nd Class (upper) | | | | 6 | 2 | 8 | | | | 1 | 2 | 3 | | 1 | 1 | | | |
| 2nd Class (lower) | 1 | 2 | 3 | 10 | 1 | 11 | | | | | | | | 1 | 1 | | | |
| Pass | 2 | | 2 | 2 | 1 | 3 | 11 | 9 | 20 | | | | 3 | 3 | 6 | 1 | | 1 |
| **Total** | 3 | 2 | 5 | 18 | 5 | 23 | 20 | 13 | 33 | 1 | 2 | 3 | 4 | 6 | 10 | 1 | | 1 |

## STUDENT AWARDS AND PRIZES

### Karl Robinson Prize

Gabriel Watson won the Karl Robinson Award for best performance in Computing Courses up to semester 1 of year 3 in the programme.

### Software Applications Developed by Students

For their capstone project students typically develop application to solve various kinds of problems. Some of these applications are subsequently enhanced and deployed to solve real problems. Two systems that have been developed in this way are:

1. Blood Donor Management System – A web-based software application that will eliminate the paper-based manangement of blood donors, and will also allow information to be ascertained from the demographic data collected, e.g. if there is a short supply of a rare blood type, and that blood type is needed for an emergency, where in Jamaica is there a particularly (relatively) high concentration of donors of that blood type. It will also provide features such as sending reminders to regular donors on their next appointment to donate blood. This application was tested "live" during the recently held UWI blood drive.
2. Fuel Retailers Management System – A web-based system that will assist gas marketing companies to have greater control over their franchises. It will assist in the re-ording process, development of marketing strategies and greater control over who and where franchisees obtain their fuel.

# 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 became Head of Department at the start of the 2013–2014 academic year. Also, following the resignation of Dr Lyndon Brown at the end of November 2013, Professor Simon F. Mitchell became Acting Head of the Earthquake Unit, which is administered by the Department of Geography and Geology.

Staffing continued to be a serious issue affecting the Department with the retirement or resignation of several members of staff over the last few years. Despite advertising repeatedly during the academic year, no new staff members have been appointed on three year contracts; the current financial conditions affecting Jamaica at the present time appear to be a major deterrent.

Despite the shortages of staff, the Department managed to offer a full

range of undergraduate courses, partly through the use of temporary and part-time staff. Mr Robert Kinlocke and Ms Taneisha Edwards were employed as Temporary Lecturers for the academic year and Dr Donovan Blissett, Dr Richard Annells and Dr Anestoria Shawkowski taught parts of selected courses. Dr Thera Edwards was granted two years leave for a secondment to the Institute for Sustainable Development in April, 2014, and Ms Jullian Williams was employed as a research assistant for the Head of Department in May, 2014. Professor Simon F. Mitchell is currently overseeing the Marine Geology Unit.

Dr Leo Douglas, a Visiting Scientist from the American Museum of Natural History (AMNH) in New York City, was confirmed as an Honorary Research Fellow for the period March 2014 to February 28, 2017 by the Vice Chancellor. His work concentrates on: reducing consumer demand for high-value wildlife products; the effect of conservation education programmes on Jamaican students' attitudes and behaviours; media priming and framing of inter-stakeholder group conflict about biodiversity conservation; and the effects of neoliberal free trade policy on stakeholder disputes surrounding wildlife conservation on the island of Dominica. Since his appointment to the Department of Geography/Geology, Dr Douglas has been honoured as Professor of the Month by The Network for Conservation and Education Practitioners, American Museum of Natural History, New York City, in March 2014. He was also invited as a plenary key note for the North American Congress on Conservation Science, one of the largest gatherings of conservation scientists in North America, in July, 2014.

A summer graduate internship programme, co-ordinated by Kevon Rhiney, Michael Taylor and Arpita Mandal, was hosted in the Department. The internship was borne out of a partnership between the University of West Indies, Columbia University, the University of Arizona, and the University of the Uruguayan Republic. The programme involved seven graduate students, four of whom were from overseas. The project examined the state and nature of climate services in Jamaica, using the agriculture sector as a case study. The study primarily focused on mapping the information flow of climate services from producers of

climate data (such as the Meteorological Service of Jamaica) through to the intermediate and end user communities. Findings from the study were presented at a stakeholder meeting held at the UWI Mona Visitors' Lodge on 28th July 2014, and a technical report will be circulated to key stakeholders shortly.

Chanelle Fingal-Robinson received the award of Ph.D. in Geography, and Shiva Mohan received an M.Phil. in Geography (with high commendation). Two new postgraduate students began working on their MPhil degrees in Geography; there were no new postgraduate students in Geology.

The revised 3-credit Level III courses of the revised curricula in Geography and Geology were offered for the first time, following assessment by AQAC in the 2012-2013 academic year. The Department also wrote new courses in GIS and geosciences, which will be offered in the 2014-2015 academic year. The Department also established a new major in Geoscience which will combine courses from physical geography and soft rock geology; the new major will be offered in the 2014-2015 academic year. The Department is also introducing a new Minor in Human Geography for students in the Faculties of Humanities and Social Sciences; this Minor requires only 6-credits of Level I Geography as a prerequisite for Level II and opens up Geography courses to non-science students.

Teaching reviews of both Geography and Geology were undertaken during the 2013–2014 academic year. The reports of these are being used to revise the operational activities of the Department.

The Department hosted the sixth in the Royal Geographical Society/Institute of British Geographers British-Caribbean Seminar from the 23rd to the 27th June, 2014: entitled: 'The Caribbean Region: Adaptation and Resilience to Global Change'. The Seminar was organised by Prof David Barker, Dr Thera Edwards, Dr Kevon Rhiney and Dr Duncan McGregor (Department of Geography, Royal Holloway, London), with financial support from the Climate Change Research Group and the Developing Areas Research Group of the Royal Geographical Society with the

Institute of British Geographers. Over 60 participants took part and 44 papers were presented, and there were two days of fieldtrips. Presentations were made by two members of staff and eight graduate students in the Department.

Members of the Department attended various workshops during the academic year. Ayesha Constable, a Ph.D. student in geography, was selected as part of a team to represent the Caribbean and received a scholarship to attend the 'Global Power Shift – Climate Change Summit' held in Istanbul in Turkey over the summer of 2013. Dr Sherene James-Williamson represented Jamaica at the Commonwealth Association of Museums workshop on 'Disaster Risk Management in Caribbean Museums' held from the 23rd–27th September 2013 in Nassau, Bahamas, and attended the Museums Association of the Caribbean (MAC) Annual Conference and AGM held from the 27th–31st of October, 2013, in Belize City, Belize, where she was elected Vice President for MAC. Dr Arpita Mandal attended the Stable Isotope Hydrology Workshop from October 7th–18th, 2013, in Jamaica organized by International Atomic Energy Authority (IAEA), Vienna, and the Water Resources Authority (WRA), Jamaica. Professor Mitchell chaired a session at the Cariscience Conference and AGM, 13th–17thNovember 2013, at the Grand Bahia Principe, Runaway Bay, parish of St. Ann, Jamaica. Dr Arpita Mandal attended cross campus meeting of faculties involved in teaching and research in Hydrology at UWI St Augustine, November, 2013. Dr Sherene James-Williamson, Mr Robert Kinlocke and Dr Thera Edwards attended a UNESCO workshop on 'Satellite data for environmental and climate change decision-making' held at the Courtleigh Hotel December 3rd–5th, 2013. Dr Arpita Mandal attended the World Bank workshop on Disaster Risk Reduction at Knutsford Court Hotel, in January, 2014. Dr James-Williamson attended the National Spatial Data Management Division/Land Information Council of Jamaica (NSDMD/LICJ), Ministry of Water, Land, Environment and Climate Chang, Strategic Planning retreat and workshop held on the 23rd of January, 2014 at the Alhambra Inn. Dr Mandal and Dr Matthew Wilson (UWI St Augustine) organised a workshop in May, 2014, entitled 'Climate Change and Inland Flooding in Jamaica' at the Mona Visitors' Lodge where results were disseminated

and participants were given one day of training on hydrological and hydraulic modelling.

Professor Mitchell delivered a talk entitled "Publish or Perish? Impact Factors and the h-index. A guide for academics and graduate students" to: the Faculty of Science and Technology, Mona Campus, on the 30th January, 2014; the Faculty of Medical Sciences, Mona Campus, on the 11th of March, 2014; the Faculty of Science and Technology, Cave Hill Campus, on the 2nd of June, 2014; and the Faculty of Science and Technology, St. Augustine, on the 4th of June, 2014.

The Jamaican Geographical Society hosted a talk on the 23rd January, 2014, by Dr Brian J. Hudson (former lecturer in the Department, now at Queens University, Australia) entitled 'Images of Caribbean Places and Some Reflections on Their Names: A Toponymic Entertainment'. At the end of the session, Dr Hudson was given a Lifetime Achiever's Award from the Society for his contribution to geography education in Jamaica and the wider Caribbean.

The Geological Society of Jamaica held a fieldtrip on the 25th of January, 2014, to the Benbow and Guys Hill area (parishes of St Catherine and St Mary) which was led by Professor Simon Mitchell, Dr Donovan Blissett and Dr Sherene James-Williamson.

Three members of the Department received awards at the Annual Principal's Awards Ceremony held at the Mona Visitors Lodge and Conference Centre on the 21st of February 2013. Dr Arpita Mandal (with colleagues) received the award for "Research Project Attracting the Most Research Funds" for the Faculty of Science and Technology; Dr Kevon Rhiney (with colleagues) received the award "Research Project Attracting the Most Research Funds" for the Faculty of Social Sciences; Prof Simon F. Mitchell received the award of "Best Researcher" in the Faculty of Science and Technology.

The UWI Geology Museum hosted approximately 1,500 school children and their teachers for various tours and activities throughout the year. These include GIS Day, the UWI Research Days in March, 2014, as well as organized tours and lessons from primary and high schools across

Jamaica. Caribbean Heritage Concepts, Tallahassee, Florida, shipped fossil material for the UWI Geology Museum's education programme and discovery zone. Roderick Ebanks, an archaeologist, was invited in April 2014 to become a Research Fellow in the UWIGM to provide support to Dr James-Williamson in her Geoarchaeology Research; he will be with the Department for an initial 2 year period.

## GRANTS

### Kevon Rhiney

US$63,680 for Department of Geography and Geology out of a total grant of US$140,000 from CDKN/CARIBSAVE for the project: 'Climate Impacts and Resilience in Caribbean Agriculture: Assessing Consequences of Climate Change on Cocoa and Tomato Production in Trinidad & Tobago and Jamaica (CIRCA)'.

## PAPERS PRESENTED

### David Barker

- (with Kevon Rhiney and Donovan Campbell) 'Geographies of Vulnerability and Resilience of Rural Farming Communities in Jamaica to Climate Variability and Change: A Comparative Analysis' The Caribbean Region: adaptation and resilience to global change, Department of Geography and Geology, University of the West Indies, Mona Campus, Jamaica, 23rd–27th June, 2014.
- (with Anne-Teresa Birthwright) 'Double Exposure & Jamaica's Coffee Industry: Vulnerability and Livelihoods among Lowland Coffee farmers in Frankfield, Clarendon' The Caribbean Region: adaptation and resilience to global change, Department of Geography and Geology, University of the West Indies, Mona Campus, Jamaica, 23rd–27th June, 2014.

### Michael Burn

- 'Hydro-meteorological Hazards in the Caribbean region - Palaeoclimate

Perspective' Department of Geography, University College London, October, 2013.

**Taneisha Edwards**

- 'Cementation of Jamaican beaches – examples from the Palisadoes, Kingston and Coral Beach, Negril' Cariscience Conference and AGM, Grand Bahia Principe, Runaway Bay, Parish of St. Ann, Jamaica,13th–17thNovember, 2013.

**Sherene James-Williamson**

- 'Diversifying the UWIGM through research and publication' Museums Association of the Caribbean (MAC) Conference and AGM, Belize, 27th–31st October, 2013.
- 'Using Hidden Collections to make Connections' Museums Association of the Caribbean (MAC) Conference and AGM, Belize, 27th–31st October, 2013.
- (with Sherilyne Jones) 'Towards a future for MAC' Museums Association of the Caribbean (MAC) Conference and AGM, Belize, 27th–31st October, 2013.

**Robert Kinlocke**

- 'We are not all the same! Comparative climate change vulnerabilities among fishers in Old Harbour Bay, Jamaica' Jamaica Statistical Symposium, 1st November, 2013.
- 'Rethinking Social Capital: An analysis of its manifestation in Gated and Garrison Communities in the Kingston Metropolitan Area' The Caribbean Region: adaptation and resilience to global change, Department of Geography and Geology, University of the West Indies, Mona Campus, Jamaica, 23rd–27th June, 2014.

**Arpita Mandal**

- (with L. Barrett and D. Smith) 'Hydrological Modelling for simulation of Flooding from extreme events in Jamaica – Case study of the Hope River Watershed' International Conference on Flood Resilience:

Experiences in Asia and Europe, Exeter, UK, 5th -7th September, 2013.

- (with Matthew Wilson, Michael A. Taylor, Christopher Burgess, Jayaka Campbell and Tannecia Stephenson) 'Terrestrial Flood Risk and Climate Change in the Yallahs River, Jamaica: an assessment of future flood risk using hydrodynamic models driven by projections of future climate' VAMOS-CORDEX Climate conference in Peru, September 2013.
- (with Anuradha Maharaj, Matt Wilson, Michael Taylor, Stephanie Stephenson and Chris Burgess) 'Flood Hazards in Jamaica: Modelling and Uncertainties' Developing Sustainable Networks of Women Scientists for Addressing Issues of Hydrologic Events and Hazards, Buenos Aires, Argentina, 3rd–6th November, 2013.
- 'Hydrological Models' Regional Climate Change Workshop, Department of Physics and 5C'S, Department of Physics, The University of the West Indies, Mona, Jamaica, 9th January, 2014.
- (with M. Wilson, A. Maharaj, D. Smith and L. Barrett) 'Hydrological Simulation of Extreme Events in Jamaica: Case studies of Hope, Yallahs and Outram river watershed' WCRP Conference for Latin America and the Caribbean: Developing linking and applying climate knowledge, Montevideo, Uruguay, 17th –21st March, 2014.
- (with M.Wilson, M.Taylor, C.Burgess, J.Campbell and T.Stephenson) 'Flood Risk and Climate Change in Negril, Jamaica – An assessment of combined terrestrial and coastal flood risk driven by projections of future climate' WCRP Conference for Latin America and the Caribbean: Developing linking and applying climate knowledge, Montevideo, Uruguay, 17th–21st March, 2014.
- (with M. Wilson, M. Taylor, A. Nandi, T. Stephenson, C. Burgess., J. Campbell, and S. Otuokon) 'Flood Hazards In Jamaica With Special Emphasis On The Yallahs River Watershed: Climate Change, Future Flood Risk And Community Awareness' WCRP-CORDEX LAC Phase II The Caribbean, Santo Domingo Dominican Republic, 7th - 9th April, 2014.



Back to Table of Contents

**Simon F. Mitchell**

- 'Petroleum exploration in Central America and the Western Caribbean' 2do. Congreo Dominicano de Geologia, Hotel Santo Domingo / Santo Domingo, República Dominicana, 31st October–1st November, 2013.
- (with D. J. Miller, S. Khan-Butterfield, T. C. P. Edwards andA. Pearson) 'Hellshire – geology, geomorphology and beach studies' Conservation of the Jamaican Iguana and its remaining habitat. Workshop hosted by the University of the West Indies (Mona), Hope Zoo, and NEPA in collaboration with the IUCN SSC Iguana Specialist Group, Hope Zoological Gardens, Kingston, Jamaica, 12–13th November, 2013.
- (with Lyndon Brown) 'Jamaica: the northern Caribbean plate boundary and earthquake risk' Seismic risk forum, a conference organised by UNDP and ODPEM, Jamaica Conference Centre, Kingston, Jamaica, 8–9th January, 2014.
- (with Lyndon Brown) 'Research into earthquakes and tsunami, UWI, Jamaica' Seismic risk workshop, ODPEM, New Kingston, Jamaica, 10th January, 2014.
- (with Lyndon Brown)'Research and teaching earthquakes and tsunami, UWI Mona, Jamaica' Project Development workshop, CDEMA, CDEMA, Bridgetown, Barbados, 15th January, 2014.
- 'A Led discussion on Nomenclature Problems in Jamaican Stratigraphy' Geological Society of Jamaica, AGM, Department of Geography and Geology, University of the West Indies, Mona, Kingston, Jamaica, 26th April2014.
- 'Evolutionary Development of the Hippuritidae in the Americas' Tenth International Congress on Rudist Bivalves, Bellaterra, Spain, 22–27th June 2014.
- 'The World of Belemnites' Hull Geological Society, University of Hull, Kingston upon Hull, North Humberside, 4th July, 2014.

**David J. Miller**

- (with S. Khan-Butterfield, T. C. P. Edwards, A. Pearson and Simon F. Mitchell) 'Hellshire – geology, geomorphology and beach studies' Conservation of the Jamaican Iguana and its remaining habitat. Workshop hosted by the University of the West Indies (Mona), Hope Zoo, and NEPA in collaboration with the IUCN SSC Iguana Specialist Group, Hope Zoological Gardens, Kingston, Jamaica, 12–13th November, 2013.

**Kevon Rhiney**

- 'Opportunities for Climate proofing Jamaica's Agriculture Sector'Climate Departure Seminar, hosted by the Institute of Sustainable Development and Friedrich-Ebert-Stiftung, Mona Visitors Lodge, UWI, 9thDecember, 2013.
- 'Report on the Findings of the Social and Economic Census of the Pedro Cays: Northeast and Middle Cay' Stakeholder Consultation Workshop, Mona Visitors' Lodge UWI, 9th January, 2014.
- 'Opportunities for Climate proofing Jamaica's Agriculture Sector' Climate Departure Seminar, hosted by the Institute of Sustainable Development and Friedrich-Ebert-Stiftung, Mona Visitors Lodge UWI, 9th December, 2013.
- 'Building crop resilience to climate change in the insular Caribbean', Annual Meeting of the Association of American Geographers, Tampa, Florida, 10–14th April, 2014.
- 'Geographies of vulnerability and resilience to a changing climate: case study of selected farming communities in Jamaica' 7thMcGrann Conference, Rutgers University NJ, 1st–3rd May 2014.
- 'Social and economic drivers of vulnerability in the Caribbean' International Research Applications Program (IRAP) Climate Workshop, Kingston Jamaica, 29–30th May 2014.
- (with Donovan Campbell and David Barker) 'Geographies of Vulnerability and Resilience of Rural Farming Communities in Jamaica to Climate Variability and Change: A Comparative Analysis' The

Caribbean Region: adaptation and resilience to global change, Department of Geography and Geology, University of the West Indies, Mona Campus, Jamaica, 23rd–27th June 2014.

**Thomas Stemann**

- 'The Early Paleogene reef gap in the Caribbean' North American Paleontological Convention, Florida Museum of Natural History, Gainesville, Florida, 15th February 2014.

## PUBLICATIONS

### Books and Journals

**Sherene A. James-Williamson** and **Simon Mitchell**

- (with **Simon F. Mitchell**) 'The Ninth International Congress on Rudist Bivalves, Kingston, Jamaica, 18th–25th June, 2011' *Caribbean Journal of Earth Science*, Volume 45.
- *Caribbean Journal of Earth Science,* Volume 46, 1-42 pp.

### REFEREED BOOK CHAPTERS AND JOURNAL ARTICLES

**Sherene A. James Williamson**

- (with **Simon F. Mitchell** and Ryan Ramsook) 'Tectono-stratigraphic development of the Coastal Group of south-eastern Jamaica' *Journal of South American Earth Sciences*, 2013, 50, pp. 40–47.

**Leo R. Douglas**

- (with K. Alie) High-value natural resources: linking wildlife conservation to international conflict, insecurity, and development concerns' Biological Conservation, 2014, 1–9.
- (with G. Winkel)'The Flipside of the Flagship' Biodiversity & Conservation, 2014, 23, 979–997.
- (with D. Veríssimo)'Flagships or Battleships – Deconstructing the relationship between social conflict and conservation flagship species'

Environment and Society: Advances in Research, 2013, 4, 98–116.

- (with G. Winkel and T. W. Sherry)'Does the Bananaquit Benefit Commensally from Parrot Frugivory? An Assessment Using Habitat Quality' *Biotropica*, 2013, 45, 457–464.
- (with Root-Bernstein, A. Smith and A. Veríssimo)'Anthropomorphized species as tools for conservation: Utility beyond prosocial, intelligent, and suffering species' Biodiversity & Conservation, 2013, 1–13.

**Arpita Mandal**

- (with S. Miller, D. A. Rowe and L. Brown) 'Wave-emplaced boulders: implications for development of "prime real estate" seafront, North Coast Jamaica' Bulletin of Engineering Geology and the Environment, 2013, DOI 10.1007/s10064-013-0517-0, Print ISSN 1435-9529, Online ISSN 1435-9537
- (with M. A. A. Taylor, C. Burgess and T. Stephenson) 'Flooding in Jamaica: Causes and Controls' In: Flooding and Climate Change: Sectorial Impacts and Adaptation Strategies for the Caribbean Region (Dave Chadee, editor), 2013, Nova Publishers
- (with L. Barrett and D. Smith) 'Hydrological Modelling for Simulation of Flooding from extreme events in Jamaica – case study of the Hope River Watershed' In: D. Butler, A.S. Chen, S. Djordjevic and M.J. Hammond (Eds.), Urban Flood Resilience. Proceedings of the International Conference on Flood Resilience: Experiences in Asia and Europe, held in Exeter, United Kingdom, 5–7 September 2013, 2013, Centre for Water Systems, University of Exeter.
- (with C. P. Burgess, M. A. Taylor and T. Stephenson)'Extreme Precipitation for Jamaica: 1895 to 2100' In: D. Butler, A.S. Chen, S. Djordjevic and M.J. Hammond (Eds.), Urban Flood Resilience. Proceedings of the International Conference on Flood Resilience: Experiences in Asia and Europe, held in Exeter, United Kingdom, 5–7 September 2013, 2013, Centre for Water Systems, University of Exeter.

**Simon F. Mitchell**

- 'The lithostratigraphy of the Central Inlier, Jamaica' *Caribbean Journal of Earth Science*, 46, 2013, pp. 31–42.
- 'Revision of the Antillocaprinidae Mac Gillavry (Hippuritida, Bivalvia) and their position within the Caprinoidead'Orbigny'Geobios, 45, 2013, pp. 423–446.
- 'First record of a Middle Cenomanian caprinuloideid rudist (Hippuritida, Bivalvia) from Montana, USA, and its geographical and stratigraphical significance' *Cretaceous Research*, 46, 2013, pp. 59–64.
- (with Peter W. Skelton)'A new rudist bivalve, Polytorreites gen. nov., from the Campanian of Puerto Rico demonstrating iterative evolution of American multiple-ray Hippuritidae' *Caribbean Journal of Earth Science,* 45, 2013, pp. 119–123.
- 'Erratum to "Revision of the Antillocaprinidae Mac Gillavry (Hippuritida, Bivalvia) and their position within the Caprinoidead 'Orbigny" [Geobios 46 (2013), 423–446]'*Geobios*, 47, 2013.

**Kevon Rhiney**

- (with Abdullahi Abdulkadri and Lloyd Waller) 'A Comparative Economic Analysis of National Economies Under the CARICOM Single Market and Economy: Towards a New Economic Geography (NEG) Model'. *Global Development Studies*, Vol. 7, Nos 1–2, Winter-Spring 2013–2014.

## NON-REFERRED PAPERS

**Sherene A. James Williamson**

- (with Simon F. Mitchell)'The Ninth International Congress on Rudist Bivalves, Kingston, Jamaica, 18th-25thJune, 2011' *Caribbean Journal of Earth Science*, Volume 45, pp. 1–2.

**Simon F. Mitchell**

- (with Sherene A. James-Williamson).' The Ninth International Congress

on Rudist Bivalves, Kingston, Jamaica, 18th–25th June, 2011' *Caribbean Journal of Earth Science,* Volume 45, 2013, pp. 1–2.

## PUBLIC SERVICE

**David Barker**

- External Examiner in Geography for the Joint Board of Teacher Education (JBTE)
- Editor, *Caribbean Geography*
- Convenor, CAPE Geography
- Editorial Committee *CaribXplorer Magazine*
- Editorial Board *Caribbean Quarterly*
- Council member, Jamaican Geographical Society

**Sherene James-Williamson**

- Vice President of Museums Association of the Caribbean (MAC)
- Editor, *Caribbean Journal of Earth Science*.
- Enterprise Licensing Agreement Working Group and the Data Back-up Committee.
- GIS Business Services and GIS Education and Training Committees.
- Conference Co-Chair Museums Association of the Caribbean annual Conference and AGM 2014.
- Council Member, Land Information Council of Jamaica (LICJ).
- Member of three Committees of the Enterprise Licensing Agreement Working Group
- Board Member, Heritage Clubs of Jamaica

**Arpita Mandal**

- Member, Global Water Partnership Caribbean
- Council Member, Geological Society of Jamaica

**Simon F. Mitchell**

- Scientific Committee, International Congress on Rudist Bivalves.
- Scientific Committee, Caribbean Geological Conference.
- Editor, *Caribbean Journal of Earth Science.*
- Editor, *UWI Contributions to Geology.*
- Language Editor, *Carnets de Geology*.
- Member, National Committee on Coastal Zone Management (NCOCZM).
- President, Geological Society of Jamaica.
- Chairman, Jamaican Stratigraphic Committee.

**Kevon Rhiney**

- Member of the Steering Committee for the Climate Change Action Training (CCAT) Programme (USAID-funded Ja REEACH Project).
- Global Water Partnership – Caribbean (GWP-C) Partnership Network.
- Vision 2030 Jamaica – National Development Plan Thematic Working Group, Environment and Natural Resources Management/Sustainable Urban & Rural Development.
- Member, Inter-American Development Bank (IADB) Civil Society Consulting Group (ConSoc) Jamaica – The Environment, Energy and Infrastructure Thematic Group
- National Fisheries Policy Steering Committee: Climate Change and Disaster Risk Management sub-committee

## VISITORS

- Johannes Bohle, Doctoral researcher, Centre for InterAmerican Studies (CIAS), Bielefeld University, Germany. Johannes will be visiting up to the end of June.
- Dr Shakira Khan-Butterfield, FIU, Florida.
- Dr Brian J. Hudson.

– Dr Matthew Wilson (Head, Department of Geography, UWI St Augustine).

## CATEGORIES OF STUDENTS

**Undergraduate Students: Geography**

| | |
|---|---|
| Year I | 130 |
| Year II | 37 |
| Year III | 24 |

**Undergraduate Students: Geology**

| | |
|---|---|
| Year I | 98 |
| Year II | 25 |
| Year III | 24 |

**Postgraduate Students**

| | |
|---|---|
| MPhil Geography | 6 |
| MPhil Geology | 0 |
| PhD Geography | 3 |
| PhD Geology | 2 |

# DEPARTMENT OF LIFE SCIENCES

**Professor Paula Tennant** BSc *UWI*, PhD *Cornell University*
**Head of Department**

## OVERVIEW

In academic year 2013/2014, 102 students graduated with BSc degrees in Biology – three with first class honours and 22 with upper second class honours; 12 candidates were awarded higher degrees. Faculty members published three books, a total of 24 refeered articles and gave 22 conference presentations. The Department (DLS) continued its curriculum review process; this in an effort to provide high quality education and training for students in all areas of Biology and to fulfil the mission of the UWI for excellence in teaching, research and output.

## WORK OF THE DEPARTMENT

### Undergraduate Curriculum

This past year DLS acquired approval for the amendment to four of its B.Sc. single majors and minors for first offering in 2014/2015. The primary goal of the revision is to strengthen the programmes while

giving students greater flexibility in planning and completing their course selections. The revised programme is premised on (i) four undergraduate majors in Animal Biology, Marine Biology, Plant Biology and Terrestrial and Freshwater Ecology, (ii) four minors in Animal Biology, Coastal Ecosystems, Plant Biology and Terrestrial and Freshwater Ecology, and (iii) an expanded credit requirement to increase the breadth of material covered in Majors and Minors. The department will continue to offer the single major in Horticulture and the BSc Programmes, Environmental Biology, Experimental Biology and Biology with Education.

## STUDENT ENROLMENT

The numbers of students enrolled in Level 1 Life Sciences courses in 2013/14 were maintained at the high levels we have been experiencing over the past five years. In all, 572 students were enrolled in the Biology courses offered in semester 1 and 503 in courses offered in semester 2. As such the Saturday laboratory stream, started in 2011/2012, was again offered in 2013/2014 and this, along with repeat evening lectures facilitated part-time student registrations.

The overall enrolment in Level 2 courses decreased slightly in 2013/2014. Registrations in the core courses Research Skills and Practices in Biology and Principles of Ecology which increased from –150 students in 2011/12 to – 200 in 2012/2013 were at 174 and 192, respectively, in 2013/2014. Nonetheless, these numbers necessitated the addition of lab streams and larger lecture rooms in the faculty were time-tabled.

At Level 3, the numbers were higher (2–50%) in about half of the course offerings compared to the previous year with a maximum of 67 in the seminar course, Advanced Topics in Animal Science, which was taught for the second time in 2013/14.

## STUDENT PERFORMANCE

The Level 1 courses maintained good percentage passes in the 2013/14 academic year, but these were slightly lower than those obtained in the previous year, except in one of the three courses (i.e. BIOL1017).

Semester 1 courses (BIOL1017 and BIOL1018) averaged 66 and 70% pass, respectively, while semester 2 courses (BIOL1262 and BIOL1263) averaged 77% and 56%, respectively.

The performance of students at Level 2 was again extremely variable. The highest percentage pass (88%) was obtained for the course Research Skills and Practices in Biology while the lowest passes were obtained in Biological Evolution (39%) and the semester 2 Zoology courses Maintenance Systems in Animals and Coordination and Control in Animals (48 and 58% passes, respectively). The latter courses were reviewed last year and significant changes to their content and delivery made. Percentage passes of 73% and higher were obtained with most the courses (92%) at level 3.

**Summer School**

The DLS summer school was efficiently managed by our summer school coordinator, Dr. Gale Persad. A total of 528 students registered for and sat 40 courses. All courses were 'MEX exams-only' sittings of previously offered courses which were being made available to students who had passed the coursework component. Summer School continues to provide the opportunity for students to recover from failure, thus completing their degree in a timely fashion and has also become a source of income generation for the Department. While good percentage passes were maintained in BIOL1263 (71%), lower passes (41–58%) were obtained with the other three level 1 courses. Overall performance at levels 2 (36–77% pass except for ZOOL2404 with 18%) and 3 (72–100% pass) was found to be similar to that of students in the normal semesters. The summer semester also facilitated the offering of the Internship course which is difficult to schedule in the normal semesters. Some 24 students were placed in organizations across the island. The programme was coordinated by Dr. Eric Garraway, who is to be congratulated for an excellent job along with Mrs. Debbie Ann Brown. Twelve students registered for research projects over summer.

### Graduate Programmes

The revised MSc in Marine and Terrestrial Ecosystems (MaTE) was offered to students for the 2013/14 academic year as one of the specializations under the Natural Resource Management (NRM) umbrella. The programme is delivered part time over two years. As in 2012/2013, the revised MSc in Plant Production and Protection (PPP) was not offered in 2013/2014 due to low enrolment. The department is presently considering a reorganization of the programme which will involve a change in the name to improve marketability and a change in the structure of the programme to increase its compatibility with other MSc programmes offered in the Faculty. The latter should allow for combined classes in 40% of the taught courses.

### Graduate Research students

One PhD and four MPhil students commenced higher degree programmes in 2013/14. Five students received Graduate Scholarships: Kurt Prospere, PhD Forestry; Kimani Kitson-Walters, MPhil Marine Biology & Biotechnology; Nasheika Guyah PhD in Marine Sciences, Denise Chin PhD in Marine Sciences and Brahim Diop, MPhil Botany. Dexter-Dean Colquhoun, MPhil Marine Sciences, was awarded a scholarship from Sol Caribbean. Two MPhils successfully upgraded to PhDs.

Campus Committee for Graduate Studies and Research and the UWI Staff Development and Endowment Fund, Mona, facilitated the participation of graduate students at conferences. This generated the presentation of two papers and a total of three oral conference presentations and three poster presentations from students in 2013/2014. In addition, there were five graduate student publications in peer reviewed journals during the reporting period.

Four MPhil and three PhD students completed degrees in 2013/14. The degree specialization, names and supervisors of those awarded are given below.

### MPhil Zoology

**Jodi-Ann Elli** (Supervisor – Dr. Eric Hyslop)

A study of fluctuating asymemetry and morphometric analyses as biomonitoring tools for examining the effects of population in Black River, St. Elizabeth, Plantain River, St. Catherine, Rio Grande, Portland and White River, St. Ann using freshwater shrimp species (Palaemonidae and Atyidae).

**Marlon Beale** (Supervisor – Dr. Eric Garraway)

Bird composition along a rainfall gradient in eastern Jamaica.

**Tamia Harker** (Supervisor – Professor Byron Wilson)

Status and conservation of Sea Turtles in Jamaica.

### MPhil Environmental Biology

**Denise Henry** (Supervisor – Dr. Mona Webber)

Sea Urchin abundance and distribution in the Port Royal Cays area of Jamaica.

### PhD Environmental Biology

**Kerrine McDonald Senior** (Supervisors – Professor Dale Webber/Dr. Mona Webber)

Environmental agreements – An examination of their effectiveness in the protection of marine resources in the Caribbean.

**Minke Newman** (Supervisor – Dr. Kurt McLaren)

Assessing the impacts of socioeconomic parameters on deforestation and habitat fragmentation in the forest of the Cockpit Country, Jamaica.

### PhD Marine Sciences

**Sean Townsend** (Supervisor – Professor Dale Webber)

Phytoplankton and circulatory dynamics of newshore waters, Hellshire Coastline, Jamaica.

Cohorts of 3 and 17 (2011/2012 and 2012/2013) students are pursuing MSc Degrees in MaTE and Agricultural Entrepreneurship, respectively. Five students completed degrees in 2013/14. The degree specialization, names and supervisors of those awarded are given below.

### MSc Marine & Terrestrial Ecosystems

**Lorraine Fanan** (Supervisor – Professor Dale Webber)

An assessment of the newly developed computer programme, MAEVIZ, as a tool for disaster risk management in earthquake resilience for the University of the West Indies, Mona, Jamaica

**Lydia Morrison** (Supervisor – Dr. Mona Webber)

An assessment of Rackham's Cay pioneer coral reef and algae community created as a result of widening the ship channel in Kingston Harbour, Jamaica.

**Sian Carrington** (Supervisor – Professor Dale Webber)

Some effects of the feeding behaviour of dusky damselfish (*Stegastes fuscus*) on transplanted coral and natural coral colonies at varying depths in Discovery Bay, Jamaica.

### MSc Agricultural Entrepreneurship

**Audley Facey** (Supervisor – Professor Noureddine Benkeblia)

Designing an efficient irrigation system for vegetable farmers: Case study of Century Farm, Jamaica.

**Warrel White** (Supervisor – Dr. Kadamawe K'Nife)

Enhancing the systematic growth and development of Jamaica's vanilla industry through increased production.

## STAFF MATTERS

The department continues to struggle to maintain the necessary complement of permanent, full-time lecturing staff in the face of losses due to retirement, resignation and secondment. Staff including scientific officers, technicians, gardeners and other ancillary staff must be commended for rising to this challenge and that of the increased numbers of students coupled with curriculum changes.

The 2013/2014 academic year saw the appointment of Dr. Tannice Hall to the post of Lecturer in Animal Physiology and the promotion of Dr. Kurt McLaren to the rank of Senior Lecturer. Dr. Suzanne Palmer temporarily filled the position of Coral Reef Biologist. Dr. Mona Webber returned from sabbatical leave at the end of the 2013/2014 academic year. The department said farewell to Mrs. Morris Spencer and Mr. Lloyd Gayle, who retired in March and August 2014 after 36 and 18 years of service, respectively, to the University.

It was with tremendous sadness that The Department bade farewell to Professor Emeritus of Zoology Ivan Goodbody, who passed on April 16, 2104. Professor Ivan Goodbody came to Jamaica in 1955 from the University of Aberdeen, to take up the post as Lecturer in Zoology at the then University College of the West Indies. He moved on to become Senior Lecturer in Zoology at University of the West Indies in 1962 and quickly became Professor and Head of the Department of Zoology in 1964, a post he retained until 1986. He then went on to become the founder and first Director, Marine Science Unit from 1986 to 1989. In his passing the Department, the Faculty, the University, the country and the discipline have lost a forerunner in Marine Sciences who has taught much, shared with many and will be remembered by even more (excerpt from a tribute written by D. Webber, M. Webber, K. Aiken).

Professor Noureddine Benkeblia started off the Faculty's series of Professorial inaugural lectures in 2013/2014 (October 17, 2013) with his lecture on, 'Contributing to fructans and fructo-oligosaccharide research in Allium species'. Professor Dale Webber presented his inaugural lecture entitled, 'Coastal Management in Jamaica: Monitoring, mentoring

and modelling' on Thursday November 21, 2013 and Professor Byron Wilson's lecture entitled, 'Two likkle lizard and too likkle protection: Jamaica's disappearing natural heritage' was on May 9, 2014. Prof. Dale Webber presented his Grace Kennedy Foundation Professorial Chair Annual report as the James Moss-Solomon Snr. Chair in Environmental Management on Tuesday November 19, 2013.

Members of staff, Dr. Karl Aiken, Dr. Eric Hyslop, Dr. Dwight Robinson and Dr. Mona Webber, received awards for their outstanding teaching assessment scores at the Faculty Awards ceremony held on March 27, 2014. Special awards were presented to Professor Dale Webber, Dr. Mona Webber, and Dr. Karl Aiken in recognition of their appointment by the United Nations to its pool of experts to assist in the production of a World Ocean Assessment. This represents the first integrated global assessment of the state of the marine environment. Professor Byron Wilson is the recipient of the Jamaica Environmental Action Award (Wildlife Conservation category) from the Jamaica Environmental Trust (JET).

Six members of staff were recognized for their long service to the UWI on December 12, 2013. Mr. Frederick Boyd and Professor Byron Wilson for 15 years of service, Ms. Claudia Lewis, Mr. Patrick Lewis, and Dr. Catherine Murphy for 21 years, and Ms. Josephine Parchment for 30 years.

### Port Royal Marine Laboratory (PRML)

The Port Royal Marine Laboratory continued to support teaching, research and outreach on the Campus by hosting UWI undergraduate and MSc classes, research students and staff from various departments on the campus. The number of users for the period included weekly visits of 53–60 Marine Ecology, Coral Reef Biology and Fisheries Ecology UWI Mona Campus students. In addition, more than half of the courses offered in Life Sciences were provided with specimens for laboratory classes confined to the campus due to size or the need for specialist equipment. PRML supported more than seven researchers/research students during the period.

PRML participated in 16 outreach activities for the year reaching over 2,000 members of the public. Of note, the Centre offered for the first time this year a Teacher symposium (March 4, 2014) aimed at assisting teachers in accomplishing objectives highlighted by CSEC and CAPE syllabuses, namely Biology and Environmental Science. The event introduced teachers to various tour and field activity packages that the PRML would offer to complement that which is being taught in the classroom. Some 21 teachers, representing 11 high schools (Calabar High School, Glenmuir High School, Jamaica College, Kingston College, Johnathan Grant High School, Mt. Alvernia High School, Pennwood High School, St. Andrew High School for Girls, St. Catherine High School, St. George's College and Wolmer's Girls School), were in attendance.

The Centre also offered its annual Marine Mania Summer camps over two weeks to children during the summer period (July 14th–25th, 2014). Thirty eight children from ages 5–9 and 10–14 were hosted in successive weeks. Other outreach activities included the Denbigh Agricultural Show (assisted with Mangrove Aquaria in general DLS display, August 4–6, 2013), setting up a display at Caribbean Maritime Institute for Maritime Awareness Week (September 24 & 25, 2013), participation in mangrove survey and restoration workshops held for NGO groups associated with south coast mangrove areas (January 24, 2014) and north coast mangroves (June 14, 2014) and a beach clean-up with JMMB at the Port Royal bathing beach on Labour Day (May 23, 2014).

Numbers of other visitors to the facility during 2013/14 were 4,202, up from 2,074 in 2012/2013. Visitors came from the institutions NEPA, Spanish Town YMCA, El Shaddaih Learning Centre, IOJ Junior Centres, South East Regional Health Authority, CASE, Danny Williams School for the Deaf, KBC Learning Centre, Jamaica 4H Clubs, Homestead Girls Home, UTECH, Mico University and other tertiary and secondary institutions across the island.

### Centre for Marine Sciences (CMS) and the Discovery Bay Marine Lab (DBML)

Over the reporting year, Discovery Bay Marine Laboratory hosted 2,946 local and overseas visitors. This was a 24% increase in the visitors compared to last year. The Lab also hosted its annual Eco-Camp on July 7–25, 2014 under the theme "Reef Builders: young minds, fresh ideas". A total of 94 campers participated in this year's camp activities. The camp was sponsored by the UWI-Centre for Environmental Management, TPDCo, Hi Lo Foods, CL Environmental, Klimate Refrigeration, Fitzroy's Wholesale, Blackwood's Vegetable Farm and Dolphin Cove.

During the 2013–2014 year, DBML had 1,859 man dives. Eleven (9 fishermen, 1 other local and 1 tourist) SCUBA diving accidents were reported and treated in the IHC Hytech recompression chamber. Four staff members (Hugh Small-Port Royal Marine Lab; Camilo Trench, Deana-Lee Douglas and Suzanne Palmer-Department of Life Sciences) were certified as PADI Dive Masters along with the resident USAID Peace Corp/ DBML Outreach officer, Alyssa Smith. Training was conducted by Dr. Dayne Buddo.

The CMS-DBML participated in the annual Research Days activities by mounting an exciting and interactive exhibit on current research projects in the main tent. This year the highlight of the exhibit was the preparation and tasting of the lionfish. Visitors were treated to samples of steamed and escoveitched lionfish prepared by the DBML staff. There was also a demonstration on how to handle and safely remove the venomous spines from this exotic invasive species. The CMS is grateful to the staff of the Port Royal Marine Lab, Life Sciences Department and the over 20 student volunteers who contributed to making the event a success.

A third marine laboratory, the Alligator Head Marine Lab (AHML), was established on March 9, 2014 through a Memorandum of Understanding signed between the University of the West Indies (UWI) and the Thyssen-Bornemisza Art Contemporary (TBA21 Academy). The TBA21, through AHML, plans to pursue a long-term conservation and sustainable development programme by collaborating with the UWI and its other

partners, the Portland Environmental Protection Association (PEPA) and Reef Check Dominican Republic. The research programme is being led by the Research Director, Dr. Dayne Buddo, with support from Dr. Ruben Torres (Reef Check Dominican Republic). The research agenda and Principal Investigators are as follows: Professor Dale Webber-Coastal Water Quality, Dr. Mona Webber-Zooplankton and Icthyoplankton communities, Dr. Karl Aiken – Fish Sanctuary Establishment/Enhancement, Dr. Ruben Torres – Coral Nurseries and Dr. Dayne Buddo – Lionfish Research and Control; Reef Community Monitoring and Reef Herbivore Research.

## RESEARCH OUTPUT

DLS research interests are grouped around Terrestrial, Marine and Freshwater Ecology, Applied Plant Sciences and Animal Sciences. During 2012/13 the research output consisted of 26 referred publications, 22 conference presentations and 3 non-refereed article/technical reports. The crude average, based on 14 academic staff and 4 at Principal Scientific Officer level or above, a total of 18 staff producing in these categories, gives 2.7 publications per staff member when all categories of publications are considered (total = 48). Last year 2012/2013, the average was at 2.2 and the year before 2010/2011, 2.4. Of note, impact factors for the journals indexed range from 0.966 to 4.339.

## PAPERS PRESENTED AT CONFERENCES

- **Aiken, K.** (2013) Observations of the sea cucumbers of Jamaica's island shelf. Paper presented at the 66th Meeting of the Gulf and Caribbean Fisheries Institute held November 4–8, 2013 Corpus Christi, Texas, USA. Oral.
- **Aiken, K.** (2014) Fish Sanctuaries in Jamaica – some success stories. Paper presented at the GOJ Annual Fishermen's Week Conference held June 26, 2014, Oracabessa, St. Mary, Jamaica. Oral.
- **Benkeblia, N.** (2013) Climate change and crop productivity in the tropics: How can Jamaica be affected? Paper presented at the Second

Global Conference on Land-Ocean Connections held October 2–4, 2013, Montego Bay, Jamaica. Oral.

- **Benkeblia, N.** (2013) OMICS technologies in the context of developing countries. Paper presented at the CARISCIENCE AGM and Conference held November 14–17, 2013, Runaway Bay, Jamaica. Oral.
- **Benkeblia, N.** (2014). Effects of the concentration of HM and CIP pre-harvest treatment of onion bulbs on the residual levels after harvesting. Paper presented at the 44th Congrès du Groupe Français des Pesticides held May 26–29, 2014, Schoelcher, Martinique, France. Oral.
- **Benkeblia, N.** (2014) Contribution of local under-used fruits in health and nutrition. Paper presented at Research Day, The University of the West Indies held February 19–21, 2014, Kingston, Jamaica. Poster.
- Boyd, F. and **Benkeblia N.** (2014) Larvicidal effect of *Pimenta dioca* extracts on mosquito larvae of Culex sp. (Diptera: Culicidae). Paper presented at Research Day, The University of the West Indies held February 19–21, 2014, Kingston, Jamaica. Poster.
- **Brahim, D.** (2013) Metabolomics profiling of mango fruit during maturation and ripening. Paper presented at the CARISCIENCE AGM and Conference held November 14–17, 2013, Runaway Bay, Jamaica. Oral.
- Bryan, G., McCook, G., and **Robinson, D**. (2014) The development of an integrated pest management programme for the coffee berry borer (*Hypothenemus hampei*) in Jamaica. Paper presented at Research Day, The University of the West Indies held February 19–21, 2014, Kingston, Jamaica. Poster.
- **Emanuel, M.** (2014) Physiological and biochemical parameters of maturation ripening and storage of ackee fruit (*Blighia sapida*). Research Day, The University of the West Indies held February 19–21, 2014, Kingston, Jamaica. Poster.
- **Hyslop, E.** (2014) Is the freshwater biodiversity of the Blue and John Crow Mountains' rivers under threat? Paper presented at the One day

Conference on the Blue and John Crow Mountains held February 27, 2014, The University of the West Indies, Mona. Oral.

- Lindo, A., **Robinson, D.** and **Tennant, P**. (2014) Decoding the genes associated with the quality and flavour of Jamaican cocoa (*Theobroma cacao*). Paper presented at Research Day, The University of the West Indies held February 19–21, 2014, Kingston, Jamaica. Poster.
- **Luke, D.** (2014) The effects of natural disturbance on the forest of the John Crow Mountains. Paper presented at the One day Conference on the Blue and John Crow Mountains held February 27, 2014, The University of the West Indies, Mona. Oral.
- **McLaren, K.** (2013) Forest ecology and impacts of charcoal burning. Paper presented at the International Union for Conservation of Nature (IUCN) Iguana Specialist Group (ISG) held November 14–15, 2013. Kingston, Jamaica. Oral.
- **Robinson, D.** (2014) An overview of UWI, Mona intervention in support of a modern, sustainable cassava industry. Paper presented at the Regional Conference on Cassava in the Caribbean and Latin America held February 10–12, 2014, The University of the West Indies – Cave Hill Campus, Barbados. Oral.
- Robinson, M., Zachariades, C., **Robinson, D., Cohen,** J. and Younger, N. (2013) Field host range of *Melanagromyza eupatoriella* in Jamaica: An insect with potential as a biological control agent on *Chromolaena odorata* in South Africa. In: Zachariades C, Strathie LW, Day MD, Muniappan R (eds). Proceedings of the Eighth International Workshop on Biological Control and Management of *Chromolaena odorata* and other Eupatorieae, Nairobi, Kenya, November 1–2 2010, pp 102-109.
- Ross-Davis, A., Graça, R., Alfenas, A., Peever, T., Hanna, J., Uchida, J., Hauff, R., Kadooka, C., Kim, M., Cannon, P., Namba, S., Minato, N., Simento, S., Perez, C., Rayamajhi, M., Morán, M., Lodge, D., Arguedas, M., Medel-Ortiz, R., López-Ramirez, M., **Tennant, P.,** Glen, M. and Klopfenstein, N. (2013) Tracking the distribution of the pandemic *Puccinia psidii* genotypes. Paper presented at the Annual

meeting of the American Phytopathological Association, held August 10–12, Austin, Texas. Oral

- **Stephenson, K.** (2013) Climate change impacts on the Hellshire fauna. Paper presented at the International Union for Conservation of Nature (IUCN) Iguana Specialist Group (ISG) held November 14–15, 2013. Kingston, Jamaica. Oral.
- Trench, C., Roye, C. and **Webber, M.** (2014) Coastal Restoration in Jamaica: 12 Years of Progress. Paper presented at the TropWATER combined Mangrove Conference and Workshop, held February 20-March 2, 2014. James Cook University, Townsville, Australia. Oral
- **van Veen, R.** (2013) Ecology and status of the Jamaican Iguana in the wild. Paper presented at the nternational Union for Conservation of Nature (IUCN) Iguana Specialist Group (ISG), held November 14–15, 2013. Kingston, Jamaica. Oral
- **Williams, K.** (2014) Fungal degradation of Ackee (*Blighia sapida*) fruit waste for use as a soil amendment. Paper presented at the Twenty-Ninth International Conference on Solid Waste Technology and Management held March 30–April 2, 2014, Philadelphia, PA, U.S. Oral.
- **Wilson, B.** (2013) Seeing the forest for the lizards: Revisiting the 'Woodley Report'. Paper presented at the International Union for Conservation of Nature (IUCN) Iguana Specialist Group (ISG) held November 14–15, 2013. Kingston, Jamaica. Oral.

### Technical Reports

- **Aiken, K.** (2014) Report on investigation of Jamaica's Sea Cucumber Nearshore Resources – Phase 1. GOJ Ministry of Agriculture and Fisheries Workshop on Sea Cucumber Fishery Management, June 13–14, Kingston, Jamaica.
- **Aiken, K.,** Carpenter, R., Charpentier, R., **Creary, M.**, D'Silva, R., Dustan, P., Edmunds,P., Gayle, P. et al. 2014. "Jamaica". In Status and Trends of Caribbean Coral Reefs: 1970–2012, Jackson JBC,

Donovan MK, Cramer KL and Lam VV (Eds). Global Coral Reef Monitoring Network, IUCN, Gland, Switzerland.

- Grant, T., Pagni, L. and **Wilson, B.** (2013) Jamaican iguana Species Recovery Plan, 2006–2013. IUCN SSC Iguana Specialist Group, Gland, Switzerland. 38 pp.

**WORKSHOP PRESENTATIONS/INVITED TALKS**

- **Dr. Karl Aiken** represented the three campuses of the UWI at the African, Caribbean and Pacific Group of States Fish (ACP)/Caribbean Regional Fisheries Mechanism (CRFM)/CARICOM Workshop/ Meetings in Nassau, Bahamas on October 21–25, 2013. The meeting was attended by numerous delegates from the Pacific, East, Central and West Africa, as well as 12 Caribbean countries. Caribbean projects implemented under ACP Fish II were reviewed.
- **Dr. Karl Aiken** on behalf of the UWI Vice Chancellor's Outreach Programme under the Caribbean and Latin American Cooperation, Regional Headquarters Office, traveled to San Andres island, Colombia, to attend a workshop (November 14–15, 2013) to discuss 'Frontier Integration of the Neighbouring Countries of the Colombian Caribbean'. The two-day meeting was hosted by the National University of Colombia, Caribbean Campus.
- **Dr. Karl Aiken** gave a presentation at the High Seas Alliance/CARICOM Workshop (May 20, 2014) entitled 'High Seas Resources'. The workshop was attended by delegates from 12 countries.
- **Professor Noureddine Benkeblia** visited the Chinese Academy of Agricultural Sciences and the Institute of Vegetables and Flowers on January 7–15, 2014 for discussions relating to potential collaboration on the biotechnology and production of potato and sweet potato. Two presentations were delivered, 'Sweet potato, Agronomy, Agro-processing and Biotechnology' and 'Postharvest Technologies of Sweet potato' to the respective Life Sciences of the Qufu University and the Jiangsu Teacher's University.
- **Professor Noureddine Benkeblia** was an adjudicator at The University

Council of Jamaica (UCJ) review of the programme proposal for the Associate degree in Agricultural Technology at the Montego Bay Community College (March 24–26, 2014).

- **Dr. Dayne Buddo** attended an Advanced SCUBA Training Course in Key Largo, Florida and was successfully certified as a PADI SCUBA Instructor in December, 2013. Financial support was received from the UWI and the Global Environment Facility.
- **Ms. Deana-Lee Douglas**, Scientific officer at Discovery Bay Marine Lab, received Trimble GPS training, as part of the FCF funded Critical Coastal Restoration project.
- **Dr. Eric Garraway** was an adjudicator at The University Council of Jamaica (UCJ) review of the Bachelor of Education, Secondary with specialization in Science Education which is designed to prepare teachers to teach CSEC up to the CAPE level at The Mico University College (March 27 & 28, 2014).
- **Mr. Peter Gayle**, Camilo Trench, Denise Henry, and Deana Lee Douglas (Discovery Bay Marine Laboratory) attended an Advanced GIS training course offered by Mona GeoInformatics (MonaGIS) on October 8–10, 2013.
- **Mr. Kurt Prospere**, PhD Botany, participated (February 17–22, 2014) in the Forest Monitoring course for CARICOM nations in Belem, Brazil. The course was organized by PRODES-INPE (Mapping and Monitoring Deforestation and Forest Degradation in the Brazilian Amazon), introduced TerraAmazon Version 4.4.2, an open-source software that is used for the classification of remotely sensed images in a database environment. Eight other Caribbean territories were represented, namely St. Lucia, St. Kitts, Dominica, Haiti, Suriname, Guyana, Grenada and St. Vincent.
- **Mr. Renaldo Richards**, MPhil Botany, attended the PIP (Pesticide Initiative Programme) Training of Trainers for ACP extension workers from Caribbean countries in St. Lucia, December 2–14, 2013.

- **Professor Ralph Robinson** attended a symposium entitled 'Caribbean Bioethics and Climate Change' as a guest of St George's University, Grenada held November 15–17, 2013. Climate change is possibly the most challenging issue facing the world today. The symposium illustrated how ethical analysis can help us to understand both the nature of the climate problem and constraints on possible solutions, how climate change threatens fundamental values, and how action to address it raises serious concerns of fairness and responsibility. Proceedings of the symposium will be published in bioethicscaribe.org.
- **Professor Ralph Robinson** attended the Third UNESCO Training Workshop for the National Bioethics Committee of Jamaica. Bioethics: Principles and Practices (May 8–10, 2013), Kingston, Jamaica.
- **Professor Ralph Robinson** participated in the Introductory Mission at the University of Guyana (March 2–8, 2014) and conducted a situation analysis of the University's Science and Technology Curriculum.
- **Ms. Kimberly Stephenson** represented the Jamaican Iguana Recovery Group at the closeout Workshop for the Mitigating the Threats of Invasive Alien Species in the Insular Caribbean (MTIASIC) Regional Project hosted by UNEP and CABI in Trinidad (March 31–April 4, 2014). Professor Wilson and Ms. Stephenson were awarded plaques for their outstanding contributions to the Jamaican Iguana Pilot Project.
- **Mr. Camilo Trench**, Chief Scientific Officer at Discovery Bay Marine Lab, presented on Mangrove Rehabilitation at the Mangrove Survey and Restoration Workshop, BREDS Foundation, St. Elizabeth.
- The Centre for Marine Sciences in August 2013 conducted a water quality and oceanographic assessment of the Pedro Cays as a part of Department of Geography and Geology study of Pedro's Carrying Capacity for the Ministry of Agriculture & Fisheries. The report was prepared by Patrice Francis from the Centre; Hugh Small and Camilo Trench from Port Royal and Discovery Bay Marine Labs respectively. Dr. Mona Webber; Professor Dale Webber and Rachel

Allen made the public presentation of the document on January 9, 2014 at the Mona Visitors Lodge.

- **Professor Dale Webber** was invited by the Hope United Church Library and Reading circle to make a multimedia presentation entitled "Current issues in Jamaica's coastal zone management, particularly in relation to the development of the logistics hub". This was held on Sunday June 22, 2014 on the church grounds.
- **Professor Byron Wilson**, on behalf of UWI, hosted the 2013 meeting of the International Union for Conservation of Nature (IUCN) Iguana Specialist Group (ISG) from November 14–15, 2013. The IUCN is the oldest and largest global environmental organization. Following the 're-discovery' of the Jamaican iguana in 1990, an international workshop on iguana biology and conservation was held in Kingston, in 1993, to conduct a Population and Habitat Viability Analysis (PHVA) and develop a comprehensive plan for recovering the species in the wild. That first gathering of iguana experts in Kingston, in 1993, led to the formation of the IUCN Iguana Specialist Group, so November 2013 represented the 20th anniversaries for both the PHVA and the formation of the IUCN ISG. Since recovery efforts were initiated in the early 1990's the numbers of nesting females and annual hatchlings have increased six-fold, and over 200 individuals have been collected in the wild, raised at the Hope Zoo, and repatriated back into Hellshire. In conjunction with the ISG meeting, the UWI also co-hosted a 2-day symposium (November 12–13) and workshop devoted to the Jamaican iguana and the Hellshire Hills, held at the Hope Zoo and co-hosted by the Hope Zoo and NEPA. The contributions from this workshop will be published in the journal, *Caribbean Naturalist*.

## DEPARTMENTAL PUBLICATIONS

### Books

- Benkeblia, N. (2014). *Polysaccharides: Natural Fibers in Food and Nutrition.* CRC Press, Boca Raton (FL), 511 p.

- Coates-Beckford, P. and Tennant, P. (2013) *Plant Disease: The Jamaican Experience.* UWI Press, Kingston, Jamaica, 628 p.

**Book Chapters**

- Benkeblia, N. (2014) Fructooligosaccharides, diet and cancer prevention: Myths or realities? In: *Polysaccharides: natural fibers in food and nutrition*. N. Benkeblia (Ed). CRC Press, Boca Raton, FL, pp. 385–397.
- Benkeblia, N. (2014) Potato starches: Properties, modifications and nutrition. In: *Polysaccharides: natural fibers in food and nutrition*. N. Benkeblia (Ed). CRC Press, Boca Raton, FL, pp. 105–119.
- Benkeblia, N. (2014) Fructooligosaccharides in Allium species: Chemistry and nutrition. In: *Polysaccharides: natural Fibers in food and Nutrition*. N. Benkeblia (Ed). CRC Press, Boca Raton, FL, pp. 75–103.

**Refereed Journal articles**

- Allen, R. and Webber D. (2013). The Fishers of the Pedro Bank, Jamaica: Through the Lens of their Livelihoods. *Global Journal of Human Social Sciences: B-Geography, Geo-Sciences, Environmental Disaster Management.* 13 (7): 43–53.
- Benkeblia, N. (2013). Fructans and fructooligosaccharides analysis in plants. *Journal of Chromatography* 1313: 54–61.
- Benkeblia, N. (2013). Storage technologies of date palm fruits (*Phoenix dactylifera* L.): Current and potential techniques. *Acta Horticulturae* 994: 151–154.
- Benkeblia, N. (2013). Variation of reducing and total sugars, total phenolics and anthocyanins in otaheite (*Syzygium malaccense* L.) during three "on tree" ripening stages. *Acta Horticulturae* 1012: 161–164.
- Ceccarelli, F., Robinson, D., Clebesh, H. and Zaldivar-Riveron, A. (2014) Parasitoid wasps from three Jamaican localities: A pilot study. *Journal of Hymenoptera Research* 37: 127–135.

- Cooper, W.E., Castaneda, G., Garcia-De la Pena, C., Wilson B, Caldwell, J.P. and Vitt, L. (2014) Foraging modes of some Jamaican, Costa Rican, and Mexican lizards. *Herpetology Notes* 6: 591–597.
- Ellis-Tabanor, M., Robinson, D. and Hyslop, E. (2013) Molluscicidal and phytochemical properties of selected medicinal plants of Jamaica, West Indies. *The Natural Products Journal* 3: 182–188.
- Forbes, W., Gallimore, W., Mansingh, A., Reese, P. and Robinson, R. (2014) Eryngial (trans-2-dodecenal), a bioactive compound from *Eryngium foetidum*: Its identification, chemical isolation, characterization, and comparison with ivermectin in vitro. *Parasitology* 141: 269–278.
- Gulliver, P., Palmer, S., Perry, C. and Smithers, S. (2013) Are coral clasts from a turbid near shore reef environment a suitable material for radiocarbon analysis? *Radiocarbon* 55: 1–7.
- Holmes, I., McLaren, K.P. and Wilson, B.S. (2014) Precipitation constrains amphibian chytrid fungus infection rates in a terrestrial frog assemblage in Jamaica, *West Indies. Biotropica* 46: 219–228.
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## RESEARCH GRANTS RECEIVED

### Prof. Dale Webber

- United States Department of the Interior and Department of State for the Project titled, 'Energy Efficiency & Renewable Energy Cooperation in Jamaica' – US$197,333.00

- Inter-American Development Bank for the Project titled, 'Coral Reef Restoration program: Jamaica' – US$350,000.00

**Mr. Peter Gayle**

- Noranda Bauxite Jamaica for the Project titled, 'Resurvey of the Noranda Shipping Channel & Berth (Dredge footprint)'- US$17,600.00
- Noranda Bauxite Jamaica for the Project titled, 'Coral Relocation'- US$24,209.00
- Noranda Bauxite Jamaica for the Project titled, 'Faunal Survey & Monitoring of Dredging Activity at Noranda Shipping Channel & Berth' – US$66,414.58

**Dr. Mona Webber (with Camilo Trench & Hugh Small)**

- National Works Agency for the Palisadoes Shoreline Vegetation Rehabilitation project – J$50,433,510.00.

**Dr. Suzanne Palmer**

- Waitt Foundation grant to conduct an assessment of marine ecosystems in the Portland Bight Protected Area – US$10,000

**Professor Byron Wilson**

- Disney Worldwide Conservation Fund for the project titled, 'Conservation of the Jamaican Iguana (on-going since 2012)' – US$25,000
- Dutch Iguana Foundation to support remote monitoring of the iguana conservation zone – US$3,200

## 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
- Member, Pool of Experts, United Nations World Ocean Assessment Programme 2010–2015.

**Prof. Noureddine Benkeblia**

- Appointed Editor-in-Chief, *Journal of Food, Nutrition and Dietetics*
- Appointed Editor-in-Chief, *Plant Science Today*
- Appointed Member of the Editorial Board of *American Journal of Food and Nutrition*
- Appointed Member, Editorial Board of *eSCI Journal of Crop Production.*
- Appointed Member, Editorial Board of *International Journal of Agriculture Innovations and Research*
- Appointed Member, Editorial Board of *International Journal of Biochemistry Research & Review*
- Appointed Member, Editorial Board of *International Journal of Food Science, Nutrition and Dietetics.*
- Appointed Member, Editorial Board of *Journal of Agricultural Science and Technology*
- Appointed Member, Editorial Board of *Journal of Environment & Agricultural Studies*
- Appointed Member, Editorial Board of *Journal of Food Chemistry and Nutrition.*
- Appointed Member, Editorial Board of *Journal, Dataset Papers in Agriculture.*
- Appointed Member, Editorial Board of OnLine *Journal of Biological Sciences.*
- Appointed Member, Editorial Board of Universal *Journal of Agricultural Research*

- Assessor, University Council of Jamaica (UCJ) Examination and Evaluation of the Associate Degree of Science in Agricultural Technology, Montego Bay Community College (MBCC).
- External Examiner, Agricultural Programme, Montego Bay Community College (MBCC).
- Member, International Union of Conservation of Nature, (IUCN), Commission on Ecosystem Management (CEM).

**Mr. Frederick Boyd**

- External Examiner, Joint Board of Teacher Education (JBTE), Institute of Education, UWI, Mona.
- Member and Institution contact, Society for Economic Botany
- Member, International Association for Plant Taxonomists
- Member, International Society for Horticultural Science
- Member, Department of Life Sciences Liaison for the Nature Preservation Foundation
- Member, Phycological Society of America
- Member, Research & Development and Seed Production Subcommittee, National Organic Agriculture Steering Committee (NOASC), Ministry of Agriculture
- Member, Standards Subcommittee, Jamaica Organic Agricultural Association (JOAM)

**Dr. Dayne Buddo**

- Chair, Regional Marine Invasive Species Working Group
- Member, National Fish Sanctuaries Committee
- Member, National Invasive Species Working Group
- Member, National Steering Committee for the Regional Invasive Species Project
- Member, Regional Lionfish Committee
- Resource Scientist, Regional Ballast Water Task Force

**Dr. Jane Cohen**

- CITES Scientific Authority of Jamaica: vice-chair; Jamaican delegate to CITES 16th Conference of the Parties in Bangkok, 3–14 March 2013; member of Advisory Working Group on Evaluation of Significant Trade
- Member, Alien Invasive Species Working Group (NEPA-administered)
- Member, Caribbean Food Crops Society
- Member, Education & Research Sub-Committee (Nature Preservation Foundation) for the Hope Royal Botanic Gardens
- Member, Jamaica Organic Agricultural Association
- Member, Jamaican Society for Agricultural Sciences
- Member, Natural History Society of Jamaica
- Member, Plant Conservation Group, National Environment and Planning Agency (NEPA)

**Mrs. Marcia Ford**

- Chairperson, National Biodiversity Clearing House Mechanism Steering Committee
- Immediate Past President, Jamaica Institute of Environmental Professionals
- Member, Caribbean Academy of Sciences
- Member, Global Coral Reef Monitoring Network -Caribbean Steering Committee
- Member, International Society for Reef Studies Member
- Member, University Sub Aqua Club
- Secretary, The Jamaica Statistical Society

**Mr. Peter Gayle**

– Immediate Past President, Association of Marine Laboratories of the Caribbean (AMLC)

– Chairman, 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

**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

**Dr. Eric Hyslop**

– Jamaica Clearing-House Mechanism Steering Committee, Institute of Jamaica

– Member, CXC Subject panel in Biology

– Member, NEPA Endangered Animals Recovery working group

**Dr. Dwight Robinson**

– Chairman, Jamaica Organic Agricultural Association (JOAM)

– Chairman, National Organic Agriculture Steering Committee , Ministry of Agriculture

– Member, Board of Directors- Greencastle Tropical Study Centre, St. Mary

– Member, National coordinating committee for Agricultural Research and Development, Jamaica

**Professor Ralph Robinson**

- Board of Directors, Jamaica Agricultural Development Foundation
- Executive Member and Regional Representative, Bioethics Society of the English-Speaking Caribbean
- Justice of the Peace, St. Andrew, Jamaica
- Member, American Society of Parasitologists
- Member, Lay-Magistrates' Association of St Andrew, Jamaica
- Scientific Member, The National Bioethics Committee of Jamaica

**Professor Paula Tennant**

- Member, American Phytopathological Society
- Member, Caribbean Academy of Sciences, Jamaica Chapter
- Member, Jamaica Society of Scientists and Technologists

**Dr. Kisan Vaidya**

- Member, Gene Bank Committee, Jamaica
- Member, Review Committee (Agriculture related articles) of the *Jamaican Journal of Science and Technology*

**Professor Dale Webber**

- Chair, Diving Sub-Group of the National Council on Ocean and Coastal Zone Management (NCOZCM)
- Chairman, Board of Directors – Environmental Foundation of Jamaica
- Deputy Chairman, National Council on Ocean and Coastal Zone Management (NCOCZM), Ministry of Foreign Affairs and Foreign Trade
- Member, Board of Trustees – Jamaica National Park Trust Fund

**Dr. Mona Webber**

- External Examiner for University of Technology BSc Degrees in Biological Sciences
- Member, Association of Marine Laboratories of the Caribbean
- Member, Caribbean Academy of Sciences, Jamaica Chapter
- Member, National Fisheries Policy Steering Committee
- Member, CITES (Committee for the International Trade of Endangered Species) Scientific Authority of Jamaica
- Member, National Ramsar committee, NEPA

**Professor Byron Wilson**

- Invited Member, Crocodile working group (NEPA)
- Invited Member, IUCN SSC Amphibian Specialist Group
- Invited Member, IUCN SSC Boa and Python Specialist Group
- Invited Member, IUCN SSC Iguana Specialist Group
- Invited Member, IUCN SSC Small Mammal Specialist Group
- Invited Member, Working Group on Invasive Species, NEPA

## Number of Graduates by majors and class of degree (before Summer School 2013/14)

| 2013/14 | Majors | Minors | Options |
|---|---|---|---|
| Animal Biology | 16 | | |
| Applied Plant Sciences | 1 | | |
| Biology with Education | | | 3 |
| Botany | 2 | | |
| Botany & Zoology | 1 | | |
| Environmental Biology | 20 | | |
| Experimental Biology | 13 | | |
| Horticulture/Tropical Horticulture | | | 7 |
| Marine Biology | 29 | | |
| Terrestrial and Freshwater Biology | 4 | | |
| Zoology | 6 | | |
| Botany | | 5 | |
| Conservation Biology | | 10 | |
| Human Biology | | 11 | |
| Plant Sciences | | 7 | |

## Numbers / Class of degree

| 2013/14 | First | Upper-2 | Lower- 2 | Pass |
|---|---|---|---|---|
| Animal Biology | 1 | 6 | 9 | |
| Applied Plant Sciences | | | 1 | |
| Biology with Education | | | 3 | |
| Botany | | | | 2 |
| Botany & Zoology | | | | 1 |
| Environmental Biology | | 2 | 15 | 3 |
| Experimental Biology | 1 | 3 | 4 | 5 |
| Horticulture/Tropical Horticulture | 1 | 4 | 2 | |
| Marine Biology | | 7 | 10 | 12 |
| Terrestrial and Freshwater Biology | | | 4 | |
| Zoology | | | 1 | 5 |
| **Total (102)** | **3** | **22** | **49** | **28** |

## DEPARTMENTAL PRIZES TO STUDENTS

| | |
|---|---|
| Young, Shannay | **Sasikala Potluri Prize** |
| Parker, Stephanie | **Don Skelding Prize** |
| Andrews, Davia | **Ivan Goodbody Prize** |
| Boyd, Dana | **Devi Prasad Prize** |
| Valentine, Henkel | **Vincent Hugh McKie Prize** |
| Myrie, Ameka | **Lloyd Coke Prize** |
| Walters, Tiffani | **Avinash Potluri Prize** |
| Mc Bean, Asha | **Charlotte Goodbody Prize** |

# DEPARTMENT OF MATHEMATICS

**Professor Alexandra Rodkina**, MPhil, PhD, Kiev, DSc *Moscow*
**Head of Department**

## WORK OF THE DEPARTMENT

As at July 2013, the teaching staff of the Department of Mathematics comprised of two Professors, five senior lecturers, five lecturers, four assistant lecturers. Among them we have seven members of staff with a PhD, one of whom additionally holds a Higher Doctorate degree; one member of staff is a Fellow of the Canadian Institute of Actuaries and another is a fellow of the Institute and Faculty of Actuaries (UK).

This year the department mourned the loss of Dr. Leighton Henry who passed away on May 29, 2014. Dr. Henry served the Department for a number of years as a senior lecturer and Head of Department. The department extended condolences to his family and friends.

This year (2013/2014), in keeping with the curriculum reform of the faculty, the Department taught for the first time the following approved 3-credit third year courses:

| | |
|---|---|
| MATH3403 | Some Topics in Functional Analysis |
| MATH3400 | Complex Variables |
| MATH3401 | Introduction to the Theory of Integration |
| MATH3402A | First Course on Metric Spaces & Topology |
| MATH3412 | Advanced Linear Algebra |
| MATH3411 | Advanced Abstract Algebra |
| MATH3421 | Introduction to Partial Differential Equations |
| MATH3422 | Mathematical Modelling |
| MATH3424 | Numerical Methods |
| MATH3423 | Research Project (Mathematics) |
| MATH3801 | Financial Mathematics II |
| MATH3802 | Constructions & Evaluation of Actuarial Models |
| MATH3803 | Models for Financial Economics |
| MATH3804 | Actuarial Mathematics II |
| MATH3805 | Mathematics of Pension Funds |
| MATH3806 | Topics in General Insurance |
| MATH3404 | Introduction to Differential Geometry with Computer Software |
| STAT3001 | Regression Analysis |
| STAT3002 | Time Series |

The Department has continued its collaboration with various departments in the Faculty and continues to offer Mathematics courses to suit their needs such as MATH1185, which was tailored to suit Chemistry & Physics students; COMP1110, which was tailored to suit Computing students; and MATH1180 and MATH2330, which were tailored for Engineering students.

We have received approval from the Academic Quality Assurance Committee (AQAC) for our revised programmes and a new programme

entitled "BSc in Statistical Science" to commence teaching in September 2014. At the next graduation ceremony in November 2014, we will see students graduating with the newly approved majors for the first time.

The department held its first Inaugural Career Fair in November 2013 and it was a success: 8 out of 10 companies who agreed to participate were present. 57 students who registered prior to the event were present. Feedback from participating companies was positive.

In December 2013, the department was approached by the Society of Actuaries and invited to prepare an application to be listed as a Center of Actuarial Excellence. Currently only institutions in North America and China may be designated as such, but the Society is considering extending the scope. The application package is largely complete, and the department awaits confirmation from the Society of Actuaries that Jamaica has been added to the list of eligible countries.

The internship programme expanded this year. Overall 16 positions were offered, of which 10 were paid and 6 unpaid. All 10 paid positions were taken up, as were 2 of the unpaid positions. This is up from 6 positions in 2013, and 2 in 2012. The feedback from employers and interns received to date has been positive.

For the academic year 2013/14 a total of 3,339 students registered for all courses in the department. As long as our staff levels remain flat and the student numbers continue to increase, we remain in a less than desirable position with higher than acceptable students/staff ratios: for preliminary level – 91:1; level 1 – 202:1; level 2 – 56:1; and for level 3 – 62:1. For Summer School, the department offered 28 courses during 2014. We facilitate our final year students by offering exam-only for all level 3 courses.

The Mathematics Bridging Programme ran for Nine (9) weeks with one tutor and Ten (10) registered students. Attendance was low compared to previous years, and the department will embark on intensive advertisement to increase its numbers for the upcoming academic year.

On outreach, this year saw the department continuing with its CAPE workshop due to demand, and expanded its scope to the sixth form

students and teachers of Tarrant High School. Two Mathematical Olympiad programmes were held last year. The Junior Mathematical Olympiad was held in three rounds for students in Grades 4, 5, and 6. The Jamaican Mathematical Olympiad was held in four rounds for students in Grades 7 through 11. The department also took a team of three students to an international mathematics competition, called the Costa Rica, to which they won our first medal and the El Salvador Cup for the most improved team over the last 3 years.

## RESEARCH

### Conference Participation with Paper/Talk Presented

- **Dr. Conall Kelly** attended the 2nd Austrian Stochastic Day, a satellite of the OMG-DMV Congress 2013, September 27, 2013, University of Innsbruck, Austria, presented an invited talk entitled "Response to low-intensity, stochastic perturbation in non-normal dynamical system", and chaired a session.
- **Dr. Conall Kelly** attended the 2013 International Conference on "Scientific Computation and Differential Equations", September 16-20, 2013, University of Valladolid, Valladolid, Spain, and presented an invited talk "On the use of discrete forms of the Ito formula".
- **Dr. Conall Kelly** attended the CARISCIENCE Conference and AGM, November 14–17, 2013, Grand Bahia Principe, Runaway Bay, Jamaica, and presented a contributed talk entitled "Randomness, stability and transience in mathematical models".
- **Dr. Conall Kelly** attended the AIM SQuaRE "Stochastic stabilization of limit cycle dynamics in ecology and neuroscience", February 10–14, 2014, AIM Headquarters, Palo Alto, California, and presented a talk "Some examples of stochastic stabilization".
- **Professor Girija Jayaraman** attended the EGU (European Geosciences Union) General Assembly 2014, April 27–May 2, 2014, Vienna, Austria, and her PhD student Vijay Kumar presented a talk on "Numerical modelling of the seasonal variability of plankton and forage fish", in the Gulf of Khambhat".

- **Dr. Dmitry Malinin** attended the ISCHIA GROUP THEORY 2014, at Naples, Italy, March 31–April 6, 2014.
- **Dr. Dmitry Malinin** attended the Conference "Algebraic Geometry and Number Theory" on the occasion of M.A. Tsfasman's and S.G. Vladuts' 60th birthday, Moscow, Russia, June 23–27, 2014.
- **Dr. Dmitry Malinin** attended The International Algebraic Conference dedicated to the 100th anniversary of L.A.Kaluzhnin held in Taras Shevchenko National University of Kyiv. on July 7–12, 2014, and presented a paper on "Integral irreducible representations of finite groups".
- **Professor Alexandra Rodkina** attended the AIM SQuaRE Stochastic stabilization of limit cycle dynamics in ecology and neuroscience, February 10–14, 2014, AIM Headquarters, Palo Alto, California, and presented a talk entitled "Some problems in developing a discrete Ito formula".
- **Professor Alexandra Rodkina** attended the "ICNPAA 2014 Congress: Mathematical Problems in Engineering, Aerospace and Science", Narvik University, Norway, July 2014, and presented a talk entitled "Discrete Ito Formula and its Applications"
- **Dr. Nagarani Ponakala** and **Ms Binil Sebastian** attended the International Conference on Applied Mathematics, Modeling and Computational Science (AMMCS2013), August 26–30, Waterloo, Ontario, Canada, and Ms Sebastian gave a talk entitled "Effect of boundary absorption on dispersion of solute in a pulsatile Casson fluid".

### CONFERENCES ATTENDED WITHOUT PRESENTATION

- **Mr. Kirk Morgan** attended the 29th Summer Conference on Topology and its Applications, July 23–26, 2014, CUNY - College of Staten Island, New York, USA.
- **Ms. Yvette Johns** attended the 4th Doctoral Business Administration (DBA) Academic Conference, June 2014, UWI Regional Headquarters, and participated by invitation in a discussion "New Business Growth – the Nexus of Theory and Practice".

## INVITED VISITS AND SEMINARS

- Dr. Conall Kelly visited the Institute for Stochastics, Johannes Kepler University, Linz, Austria, May 12–30, 2014, on a JKU research fellowship to pursue collaborative research with Dr. Evelyn Buckwar in the area of stochastic numerical analysis
- Dr. Conall Kelly visited Prof. Sergei Fedotov at the School of Mathematics, The University of Manchester, Manchester, UK. June 1–6, 2014 and gave a seminar entitled "Stochastic systems with nonnormal drift".
- Dr. Conall Kelly visited Prof. Mikhail Tretyakov at the School of Mathematical Sciences, University of Nottingham, Nottingham UK, June 9–11, 2014, and gave a seminar entitled "Almost sure properties of some discrete-time stochastic systems".
- Dr. Conall Kelly visited Dr. Tony Shardlow at the Departmental of Mathematical Sciences, The University of Bath, Bath UK, June 12-13, 2014, and gave a seminar entitled "Almost sure properties of some discrete-time stochastic systems".
- Dr. Conall Kelly visited the group of Professor Peter Imkeller at the Institute for Mathematics, Humboldt University Berlin, Berlin Germany, June 15–20, 2014, and gave a talk entitled "Stochastic systems with nonnormal drift".
- Dr. Davide Batic visited the Department of Mathematics and Statistics, UWI St. Augustine, Trinidad and Tobago, August 2013, and gave a talk entitled "Potentials of the Heun class" and assisted in the defense of the thesis of this student Anand Rampadarath entitled "A Geometric Analysis of the Casimir Effect".
- Dr. Davide Batic visited Dr. Piero Bicolini at the Frankfurt Institute for Advanced Studies, Frankfurt, Germany, January 2014, and gave a talk on "Potentials of the Heun class".
- Dr. Davide Batic visited Dr. Piero Bicolini at Frankfurt Institute for Advanced Studies, Frankfurt, Germany, July 2014, and gave a talk entitled "Noncommutative Geometry inspired wave equation".

## PUBLICATIONS: PUBLISHED PAPERS

- Evelyn Buckwar and Conall Kelly, "Asymptotic and transient mean-square properties of stochastic systems arising in ecology, fluid dynamics and system control". *SIAM Journal on Applied Mathematics,* 72(2):411–433, 2014.
- Conall Kelly, Peter Palmer and Alexandra Rodkina, "Almost sure instability of the equilibrium solution of a Milstein-type stochastic difference equation". *Computers & Mathematics with Applications,* 66(11): 2220–2230, 2013. (Previously appeared in online form in June 2013).
- Gregory Berkolaiko, Evelyn Buckwar, Conall Kelly and Alexandra Rodkina, on the use of a discrete form of the Ito formula in the article "Almost sure asymptotic stability analysis of the Theta-Maruyama method applied to a test with stabilizing and destabilizing perturbations" (Corrigendum). *LMS Journal of Computation and Mathematics,* 16:366-372, 2013.
- E. Braverman, A. Rodkina," Difference equations of Ricker and logistic types under bounded stochastic perturbations with positive mean", *Computers and Mathematics with Applications*, 66(2013), 2281–2294.
- N. Dokuchaev, A. Rodkina, "Instability and stability of solutions of systems of nonlinear stochastic difference equations with diagonal noise", *Journal of Difference Equations and Applications*, 2014, 20:5 5-6, 744–764.
- N. Dokuchaev and Alexandra Rodkina, "On limit periodicity of discrete time stochastic, 2014. *Stochastics and Dynamics*, Vol. 14, No. 4 (2014) 1450011 (8 pages), World Scientific Publishing Company, DOI: 10.1142/SO219493714500117.
- Kaushik N, Tyagi B and G. Jayaraman 2013, "Modelling Biochemical Oxygen Demand in a River with Scattered Storage Zones". *Applied Mathematical Sciences*, Vol. 7, No 29, pp. 1429–1437.
- S. Kumari, G. Jayaraman and C. Ghosh, 2013, "Analysis of long

term ozone trend over Delhi and its meteorological adjustment", *Int. J. of Environmental Science and Technology*, 10, 1325–1336, DOI 10. 1007/ s 13762-012-0162-3.

- C. Nelson, Posada Aguirre and D. Batic, "Electrovac universes with a cosmological constant", *Central European Journal of Physics* 12(5), 297 (2014).
- D. Batic, R. Williams and M. Nowakowski, "Potentials of the Heun class", *Journal of Physics A: Mathematical and Theoretical* 46, 245204 (2013).
- Dmitry Malinin, "On finite nilpotent matrix groups over integral domains", ISRN Algebra, Volume 2013 (2013), Article ID 638623 http://dx.doi.org/10.1155/2013/638623
- Dmitry Malinin."On finite arithmetic groups". *International Journal of Group Theory*, Vol.2 (2013), p. 199–227.
- J. Jaraden and Dmitry Malinin, "On S-quasinormal subgroups of finite groups". *Wulfenia Journal*, Vol. 21, nr. 5 (2014), p. 150–160.
- Dmitry Malinin, Nor Muhainiah Mohd Ali, Nor Haniza Sarmin, "Representations of some groups and Galois stability", *Bulletin of the Malaysian Mathematical Sciences Society*, Vol. 37 (2014).
- Dmitry Malinin, "On integral representations of finite groups and some applications", International congress of mathematicians 2014, August 13–21, ICM2014, Seoul, *Short communications*, P02-19, p. 49.

## INCOME GENERATION

**Dr. Conall Kelly** was awarded the following grants and fellowships:

- American Institute of Mathematics: Sequestered Quartet Research Ensemble (SQuaRE): Stochastic stabilization of limit cycle dynamics in ecology and neuroscience. The first meeting of this activity was held at AIM, Palo Alto, California, USA, February 10-14, 2014, bringing together five researchers from four countries (Jamaica, USA,

Canada, Austria) to investigate problems in mathematical biology. Two further meetings will be held in 2015 and 2016. The grant covers travel and subsistence for all members over the period of the project, and we estimate a total value of USD 25,000 over 3 years.

- Johannes Kepler University: Research Fellowship. To pursue collaborative research with Dr. Evelyn Buckwar from May 12–30, 2014 in the area of stochastic numerical analysis at the Institute for Stochastics, Johannes Kepler University, Linz, Austria. EUR 2292.20.
- London Mathematical Society: Scheme 2 Visitor's Grant. To visit and deliver invited seminars at: the University of Manchester, the University of Nottingham, and the University of Bath, UK, from June 1–15, 2014. GBP 1281.59.

## PUBLIC SERVICE

– **Dr. Ponakala Nagarani** acted as the Independent External Examiner for PhD thesis of Curtis Boodoo, May, 2013, UWI, St. Augustine.

– **Professor Jayaraman** acted as the External Examiner for the PhD thesis "Modelling Crime" in the Department of Mathematics, St. Augustine on May, 2013.

– **Prof. Jayaraman** served as a member of the reviewing committee (as an Internal Academic) for "Quality Assurance Review of Mathematics & Statistics, The UWI, St Augustine Campus" November 18–22, 2013.

– **Dr. Samuel McDaniel** acted as the external examiner to Mathematics courses at Mico Teachers College and College of Agriculture & Science Education (CASE).

– **Ms. Sekayi Campbell** served as a member of the Universal Services Fund board for the academic year 2012/13.

– **Mr. Richard Plummer** acted as a presenter at the Graduate Thesis Writing Workshop-Data Analysis held, March 6, 2013.

– **Mr. Richard Plummer** was a member of the planning committee – Scientific Committee for the Jamaica Statistics Symposium held October 30–November 1, 2013.

– **Members of the department** also regularly act as peer reviewers for international journals.

## STUDENTS

The department has graduated an average of 88 B.Sc. students per year with a major or minor in Mathematics, Actuarial Science Option, Mathematics with Education Option, Mathematics with Economics and most recently double major in Mathematics & Modelling Processes. Since 2009 to 2013 a total of 335 students graduated from the department as follows:

| Year | Math | Actuarial Sci. | Math/Ed | Math/Econ | Math/ Modelling | Total |
|---|---|---|---|---|---|---|
| 2009/10 | 20 | 21 | – | 7 | – | 48 |
| 2010/11 | 7 | 35 | 1 | 9 | – | 52 |
| 2011/12 | 18 | 33 | 2 | 15 | – | 68 |
| 2012/13 | 18 | 26 | 6 | 10 | 2 | 62 |
| 2013/14 | 19 | 38 | 18 | 26 | 4 | 105 |

For the 2013/14 academic year there were 652 Preliminary Level students, 303 Level I students, 83 Level II students, and 96 Level III students registered in Mathematics programmes. This year a total of eleven students graduated with First Class Honours degree.

Awards: Former Actuarial Sciences student Mr. Timar Jackson was awarded the Rhodes Scholarship in 2014, and will pursue a DPhil in Mathematical and Computational Finance at Oxford University from next year. In April 2014 another former Actuarial Sciences student, Mr. Everett Moseley, received a Prime Minister's Youth Award for Excellence for 2013.

## GRADUATE PROGRAMMES

**MSc Enterprise Risk Management:** This year we received our second cohort of students. Although only six (6) persons took up the offer, we chose to offer the programme nonetheless as the best long-term decision. All 16 Cohort 1 students are due to graduate in November 2014.

**MSc Mathematics Programme:** This year we saw an increase in the number of students accepted. 15 students entered as qualifying students in Semester 1, and overall 23 students commenced the programme in Semester 2. The department has now introduced an MSc Mathematics Bursary, which provides financial support to one student, selected by academic performance and financial need. As of July 31, four students have applied.

**MPhil and PhD Research Students:** During the 2013/14 academic year there were 3 MPhil students and 2 PhD students registered in the department. Runako Williams and Dujon Dunn completed the requirement for the award of their MPhil degrees (Mr. Williams with High Commendation) and are expected to graduate in November 2014. Mr. Peter Palmer defended his PhD thesis and has completed his requirement for this award of his degree to be acknowledged in the November 2014 graduation ceremony.



Back to Table of Contents

# DEPARTMENT OF PHYSICS

**Professor Michael A. Taylor**, BSc, MPhil, *UWI,*
PhD *University of Maryland*, *College Par*k
**Head of Department**

## OVERVIEW

The year 2013/14 represented the Final Year in the phasing in of the revamped Undergraduate Physics Curriculum. It also marked the ending of the Five Year Strategic Plan, which centered on building a foundation for the delivery of high quality Physics Teaching, Innovation and Research, Intellectual Leadership and Public Service, and the implementation of Student Friendly Systems and a harmonious work environment. Significant achievements in some of these areas were achieved and highlighted below.

## CURRICULUM REFORM AND TEACHING

In keeping with the reworked Physics and Applied Physics Programme approved in 2010/11, new 3rd Year Courses were introduced. This completed the phased implementation of the Department's new Undergraduate Offerings. The reworked Programme is premised on (i)

Five Undergraduate Majors in Medical Physics, Energy and Environmental Physics, Materials Science, General Physics and Electronics; (ii) a common Physics Core and mandatory Mathematics Courses across all Majors; (iii) a simplification of student choices; (iv) 3-Credit Courses; (v) new Laboratory Courses; and (vi) an expanded credit requirement aimed at increasing the breadth of material covered in Majors and Minors. The steady increase in student numbers over the last Five Years, especially at the higher levels, suggests an interest in the New Offerings.

Student satisfaction with teaching remains high. Two (2) Lecturers (Dr. A. M. D. Amarakoon, and Professor Michael Taylor) were recognized for Excellence in Teaching, at the Annual Faculty Ceremony. The full-time staff complement remained constant at eight (8) throughout the Year. However, at the end of the year, Dr. Keith Duncan, Lecturer resigned to pursue new opportunities. One new Lecturer is expected in 2014/15, and the Department hopes to advertise two (2) posts.

Two (2) students will graduate with First Class Honours, both of whom were members of the Physics Honours Society. The Society continues to serve the purpose of identifying talented students early in their University Career and mentoring them through to an Honours Degree.

The Engineering Programmes, which were created in the Department, were transferred to the Mona School of Engineering at the end of the Academic Year. The Department will, however, maintain responsibility for the Teaching of Electronics Courses under the Shared Resources Model.

## RESEARCH

By any of the standard metrics, Research in the Department continues to be on an upswing. There are four (4) established and active Research Groups in Climate Studies, Alternative Energy, Medical Physics, and Materials Science, and a fifth Group focused on Electronics is emerging. The groups continue to attract New Grants. Research topics emphasize the Applied Nature of Physics and are increasingly interdisciplinary. Active Research areas include Statistical and Dynamical Downscaling of

Climate Data, BioGlass, Compact Stars in General Relativity and Astrophysics, Vibrational Spectroscopy for Identification of Fire Debris, Applications of Optics in Non-Invasive Intracellular Imaging, Human Speech Recognition, and the Evaluation of Renewable Energy Technologies.

The Department produced seventeen (17) publications, which just exceeded the target set of two (2) Peer Reviewed Publications per full-time academic staff. Professor Michael Taylor received the Principal's Award for the Most Outstanding Research Activity, in the Faculty of Science and Technology and shared in the Award for the Research Project in the Faculty Attracting the Most Research Funds. Mrs. Tanya Kerr, Postgraduate Student was awarded the Faculty Prize for the Best Graduate Publication for her work on "Post fire material identification".

Graduate student numbers are at a record high with thirty (30) Research students and twenty (20) MSc students. Four (4) graduate students were awarded UWI Postgraduate Scholarships, (Tanya Kerr, Sameer Simms, Daren Watson, and Leaford Henderson). This brings to seven (7) the number of UWI Postgraduate Scholars in Physics, and to ten (10) the number of Physics Postgraduates on competitive Scholarships or Bursaries. Mr. Lindon Falconer, was awarded a Commonwealth Split-Site Scholarship and spent half the Year at the University of Sheffield (UK) pursuing Research. Graduate Student participation in International and Local Conferences is also at a high, and it is to be noted that half of the Peer Reviewed Publications from the Department were Co-Authored by Graduate Students.

Most noteworthy, is the fact that after a lull, three (3) MPhils (Stanley Smellie with High Commendation, Kevin Mills and Stacey-Ann Nelson) and one (1) PhD (Maurice Miller) were Awarded, the latter being the first in Physics since 2005.

## OUTREACH AND PUBLIC SERVICE:

The Department hosted its Annual CAPE Workshops for High School Students. Workshops were held at Mona, (5 days) and Western Jamaica Campus (2 days). Nine Hundred and Five (905) sixth form students

from twenty-four (24) high schools participated. For the third year, the Department also hosted the Fifth Form CSEC Workshops. Three Hundred and Seventy-Nine (379) students from fourteen (14) high schools island wide participated. Other outreach activities included an International Master Classes on Particle Physics for High School Teachers and Students, hosted in collaboration with the International Particle Physics Outreach Group. Twenty four (24) secondary School teachers and sixteen (16) high school students attended.

The Department launched the UWI Radioecological Laboratory for Research and Services, which was established through collaboration with the International Atomic Energy Agency (IAEA) and the Planning Institute of Jamaica (PIOJ). During the year, the Department also hosted several workshops and public lectures with external partners and visiting academics.

The Department continues to actively participate in Outreach Activities of the Faculty and University (e.g. Research Days). Members of Staff continue to serve in various capacities on University, National and International Boards and Committees, and provide services to and on behalf of the University.

## MILESTONES

Mrs. Ilene Thomas, Laboratory Attendant, was named the Most Outstanding Worker (UAWU) in the Faculty. Professor Michael Taylor was awarded the Silver Musgrave Medal for contributions to Research in Climate Change. Dr. Tannecia Stephenson was appointed to the Joint Scientific Committee of the World Climate Research Programme (WCRP) as a Member of the CORDEX Science Advisory Team.

## DEPARTMENTAL STATISTICS

### Total Student Registrations

(Columns to right indicate previous year totals. Years II and III include overlaps)

| | Semester 1 | | Semester 2 | | Year Totals | |
|---|---|---|---|---|---|---|
| | Current | Previous | Current | Previous | Current | Previous |
| Preliminary | 83 | 113 | 77 | 96 | 160 | 209 |
| Intro Physics | 204 | 227 | 151 | 151 | 355 | 378 |
| Intro Engineering | 46 | 51 | | | 46 | 51 |
| Intro Electronics | | | 116 | 108 | 116 | 108 |
| Year II | 324 | 293 | 281 | 284 | 605 | 577 |
| Year III | 156 | 135 | 120 | 143 | 276 | 278 |
| **Totals** | **609** | **592** | **594** | **631** | **1,558** | **1,601** |

**Postgraduate Student enrolment:**

MPhil twenty (20) students (F/T and P/T); PhD ten (10) students; MSc twenty (20) students (all years)

**Prizes Awarded**

- The Professor John Lodenquai Prize for Introductory Physics: Anna Thomas;
- Level II – Departmental Prizes: Rochelle Lee & Camesha Browne;
- Michael Tharmanahthan Physics Bursary: Kaleish Smith;
- Francis Haddon-Bowen Bursary: Chadwick Barclay.

## PUBLICATIONS

### Book Chapters

- Taylor, M. A., A, Mandal, C. Burgess and T. Stephenson, 2014: Flooding in Jamaica: Causes and Controls. In Flooding and Climate Change: *Sectorial Impacts and Adaptation Strategies for the Caribbean Region.* Dave Chadee et al. (ed). Nova Publishers. p. 221.

### Journals

- **Venkateswara Rao,** P., P. Syamprasad, G. Naga Raju, V. Ravi Kumar, C.Laxmikanth, N. Veeraiah, 2014: Dielectric and spectroscopic investigations of copper ions in PbO-Bi2O3-B2O3 glass matrix. *International Journal of Engineering Research*-Online Vol.2, Issue.1, 18-31.
- **Edward, K.**, and F. Farahi, 2014: Quantitative non-invasive intracellular imaging of Plasmodium falciparum infected human erythrocytes. *Laser Phys. Lett.* 11 055603 doi:10.1088/1612-2011/11/5/055603
- **Edward, K.**, and F. Farahi, 2014: Biomedical Applications in Molecular, Structural, and Functional Imaging. Proc. SPIE 9038, *Medical Imaging.* doi:10.1117/12.2044407
- **Stephenson, T. S.**, L. A. Vincent, T. Allen, C. J. Van Meerbeeck, N. McLean, T. C. Peterson, M. A. Taylor et al. 2014: Changes in extreme temperature and precipitation in the Caribbean region, 1961–2010. *Int. J. Climatol*. DOI: 10.1002/joc.3889.
- **Stephenson, T. S., M. A. Taylor**, A. R. Trotman, A. O. Porter, I. T. Gonzales, J. Spence, N. McLean, J. D. Campbell, G. Brown, M. Butler, R. C. Blenman, A. P. Aaron-Morrison and V. Marcellin-Honore, 2014: [Regional Climates] Caribbean [in State of the Climate in 2013]. B*ull. Amer. Meteor. Soc*. 95 (7), S166-S168.
- Raphaël, C., D. Bernard, C. d'Alexis, **J-F. Dorville**, 2014: Numerical Simulations of Island-Induced Circulations and Windward Katabatic Flow over the Guadeloupe Archipelago. *Mon. Wea. Rev.,* 142, 850–867. doi: http://dx.doi.org/10.1175/MWR-D-13-00119.1

- Centella-Artola, C., **M. A. Taylor**, A. Bezanilla-Morlot, D. Martinez-Castro, J. D. Campbell, T. S. Stephenson and A. Vichot, 2014: Assessing the Effect of Domain Size over the Caribbean Region using the PRECIS Regional Climate Model. *Climate Dynamics*. 10.1007/s00382-014-2272-8.
- **Coy, A.**, 2013: On the Use of Automatic Speech Recognition to Facilitate Increased Literacy Rates in Jamaica, *International Journal for Cross-Disciplinary Subjects in Education* (IJCDSE), Special Issue Volume 3, Issue 1, 1379-1386.
- **Hyman, T-A.**, 2013: Assessing the vulnerability of beach tourism and non-beach tourism to Climate Change: A case study from Jamaica. *Journal of Sustainable Tourism,* doi: 10.1080/09669582.2013.855220
- Mohini G. J., N. Krishnamacharyulu, G. Sahaya Baskaran, **P. Venkateswara Rao**, N. Veeraiah, 2013: Studies on influence of aluminium ions on the bioactivity of B2O3–SiO2–P2O5–Na2O–CaO glass system by means of spectroscopic studies. *Applied Surface Science,* 287, 46–53.
- **Miller, M., and M. Voutchkov**, 2013: The impact of uncertainty in the elemental composition of the certified reference material on gamma spectrometry. *Journal of Radioanalytical and Nuclear Chemistry.* DOI : 10.1007/s10967-013-2781-7.
- **Taylor, M. A., J. Campbell, T. Stephenson**, A. Trotman, 2013: [Regional Climates] Caribbean [in State of the Climate in 2012]. *Bull. Amer. Meteor. Soc.*, 94 (8), S156–S157;
- **Kerr, T., K. Duncan, L. Myers**, 2013: Application of vibrational spectroscopy techniques for material identification from fire debris. *Journal of Vibrational Spectroscopy*, 68 (2013) 225-235.

### PEER-REVIEWED CONFERENCE PROCEEDINGS

- **Edward, K.**, and F. Farahi, 2014: Biomedical Applications in Molecular, Structural, and Functional Imaging. Proc. SPIE 9038, *Medical Imaging*. doi:10.1117/12.2044407.

- **Barclay, C. S.**, L. Zhao, S. R. Bishop and K. L. Duncan, 2013: Defect Equilibria Of (Pr0.6Sr0.4)(Co0.2Fe0.8)O3-δ. *ECS Trans.* 2013 volume 57, Issue 1, 2105-2113. doi: 10.1149/05701.2105ecst (full paper).
- **Burgess, C. P., M. A. Taylor, T. S. Stephenson** and A. Mandal, 2013: Extreme precipitation for Jamaica: 1895 to 2100. In Urban flood Resilience: Proceedings of the International Conference on Flood Resilience: Experiences in Asia and Europe. Exeter, UK. Edited by: David Butler, Albert S. Chen, Slobodan Djordjevic and Michael J. Hammond.

**SIGNIFICANT FUNDING**

- Dr. Coy received a Leverhulme Grant in Partnership with the Sheffield University, the University of Toronto and with AIAS Bologna to develop a Cloud-Based Computational Resource for Clinical and Educational Applications for Speech Technology (CloudCAST).
- Spoken Language Technology to integrate the deaf in hearing only classrooms. (J$2.5 million). UWI Multidisciplinary Research Fund. PI: A. Coy
- Production of near term climate scenarios for Jamaica. (J$2.1 million). PIOJ (2014). PI: M. A. Taylor
- A Grant was received from SPIE to host a Summer Science Camp at the UWI Mona, in the next Academic Year in Collaboration with UTECH and the Scientific Research Council of Jamaica. (US$5000). PI: K. Edward
- Fiber Optic Solar In-door Lighting (FOSIL) system. A Grant was awarded by the Caribbean Climate Innovation Center and the World Bank for the development of a system to facilitate in-door lighting using sunlight. (US$ 50,000) PI: K. Edward.

## PUBLIC SERVICE

**Anthony Chen**

- Member, Climate Change Advisory Board, Ministry of Land, Water, Environment and Climate Change
- Member, GEF- Small Grants Programme

**Andre Coy**

- 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.

**Keith Duncan**

- Managing Editor, *International Journal of IONICS*.

**Victor Douse**

- Chairman, Cement Technical Committee, Bureau of Standards;
- Technical Assessor, Jamaica National Agency for Accreditation (JANAAC).

**Kert Edward**

- Member, American Association for Cancer Research, Optical Association of America, IEEE, SPIE;
- Member (elected), Institute of Physics, The Scientific Research Society (elected);
- Reviewer, Optics Letters, Optics Express, Biomedical Optics Express, Applied Optics, Optical Engineering and Tissue Engineering, Mathematical Biosciences;
- Reviewer, SPISE program for the Caribbean Science Foundation.

**Leary Myers**

– Member, International Who's Who Historical Society.

**Tannecia Stephenson**

– Member, National Committee for Climate Change Adaptation and Disaster Risk Reduction;

– Member, CORDEX Science Advisory Team, Joint Scientific Committee of the World Climate Research Programme (WCRP);

– Reviewer Journals, *Climate Research, Climate Dynamics.*

**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 Project on Climate Resilience (Caribbean);

– Reviewer Journals: *Journal of Geophysical Research, International Journal of Climatology, Journal of Climate, Climate Dynamics, Theoretical and Applied Climatology, Tellus A*.

**Mitko Voutchkov**

– Member, Jamaica's Energy Council, Ministry of Science Technology, Energy and Mining;

– Member, Heavy Metal Task Force, Ministry of Health;

– 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.

# MONA SCHOOL OF ENGINEERING

**Dr. Paul Aiken,** BSc. MPhil. *UWI*, MSc. PhD *Columbia University*
**Head of School**

## OVERVIEW

The Mona School of Engineering (MSE) was operationalized during academic year 2013–14 to offer the Bachelors of Science in Civil Engineering, Computer Systems Engineering and Electronics Engineering. The first cohort of students was accepted to Civil Engineering and Computer Systems Engineering in September 2013, however Electronics Engineering which started in September 2009 has accepted its 6th cohort. The programmes are full-fee paying with a tuition of US$10,000 per year and includes a computer tablet and E-texts (prescribed books) for all courses.

The vacated buildings of the Department of Basic Medical Sciences became the home of the School of Engineering and renovation began in summer 2013 to accommodate engineering laboratories, lecture rooms, student project rooms and offices. Renovation is being done across three phases, and phase 1 and parts of phase 2 have been completed.

Student enrollment continues to increase in spite of the challenges of

financing the US$10,000 tuition that was implemented in academic year 2013–2014. Five (5) new academic staff, including a visiting professor, were recruited from the Diaspora to commence teaching and research in academic year 2014–2015.

The MSE is a self-financing organization with a Director that heads the School, full time and part time teaching staff, administrative, technical and other support staff. The MSE is strongly involved in academic and commercial activities to the extent that a full business entity to manage the commercial activities has been approved with expected start date of October 1, 2014.

## ENROLLMENT STATISTICS

Table 1 shows the 2013–2014 application and enrollment statistics of new students across the three engineering programmes. A significant number of applicants apply for more than one engineering programmes so the total of 442 may be approximated to about 300 individuals. Table 2 shows the enrollment data collected during the first week of the semester for academic year 2014–2015.

**Table 1:** Enrollment statistics for academic year 2013–2014 for new students (Level 1)

| Programme | No. of Applicants | No. of Offers | No. Accepted | No. Registered |
|---|---|---|---|---|
| Civil Engineering | 92 | 34 | 16 | 12 |
| Computer Systems Engineering | 62 | 15 | 8 | 3 |
| Electronics Engineering | 288 | 80 | 44 | 27 |
| **Total** | **442** | **129** | **68** | **42** |

**Table 2:** Enrollment statistics for academic year 2014–2015 for new students (Level 1)

| Programme | No. of Applicants | No. of Offers | No. Accepted | No. Registered |
|---|---|---|---|---|
| Civil Engineering | 254 | 108 | 74 | 36 |
| Computer Systems Engineering | 195 | 37 | 24 | 12 |
| Electronics Engineering | 215 | 69 | 43 | 23 |
| **Total** | **664** | **214** | **141** | **71** |

## STAFFING

Five PhD engineering candidates were recruited from the Diaspora to join the academic staff of MSE. They were all encouraged to keep their international contacts and to create collaborative partnerships. They will be allowed special flexibility to facilitate such partnerships during their UWI tenure. Academic staff who were recruited during 2013–2014 :

- **Haniph Latchman,** Visiting Professor for 2014–15, Oxford (Rhode Scholar)
- **Tania Henry**, Lecturer (Engineering/Physics), Yale University
- **Nicolas McMorris**, Lecturer (Civil Engineering), University of Maryland
- **Kirk Spence**, Lecturer (Electronics & Computer Engineering), Luisianna State University
- **Omar Thomas**, Lecturer (Civl Engineering), Florida State University

During 2013–14, all staff of the Electronics Unit were transferred into the MSE. The complete staff complement that are expected to be available for 2014–15 is shown in Table 4.

**Table 4:** MSE Full Time staff for 2014–15 after recruitment and transfers during 2013–14

| Category | Position (s) | Current Staff |
|---|---|---|
| Head of School | Director | Dr. Paul Aiken |
| Academic Staff | Visiting Professor (Electrical Engineering) | Prof. Haniph Latchman |
| | Civil Engineers | Dr. Omar Thomas, Dr. Noel Brown (JenTech) Dr. Nicolas McMorris |
| | Electronics/Electrical/ Computer Engineers | Tania Henry, Kirk Spence |
| Administrative Staff | Senior Administrative Assistant | Ms. Suchetta Stephenson |
| | Administrative Assistant | Ms. Shanique Gray |
| | Customer Service Representative | Ms. Tena Williams |
| Technical | Senior Engineer | TBA |
| | Electronics Engineer | Mr. Lindon Falconer |
| | IT Technician | Mr. Stephan Anderson |
| | Electronics Technologist | Mr. Errol Brown |
| | Electronics Technologist | Mr. Joseph Brooks |
| | Machinist/Electromechanical Technician | Mr. Gowan Thompson |
| Ancillary | Cleaning staff/Office Attendant | Ms. Pamela Johnson |
| | Cleaning staff/Lab Attendants (2) | TBD |
| | Handyman/bearer (1) | TBD |

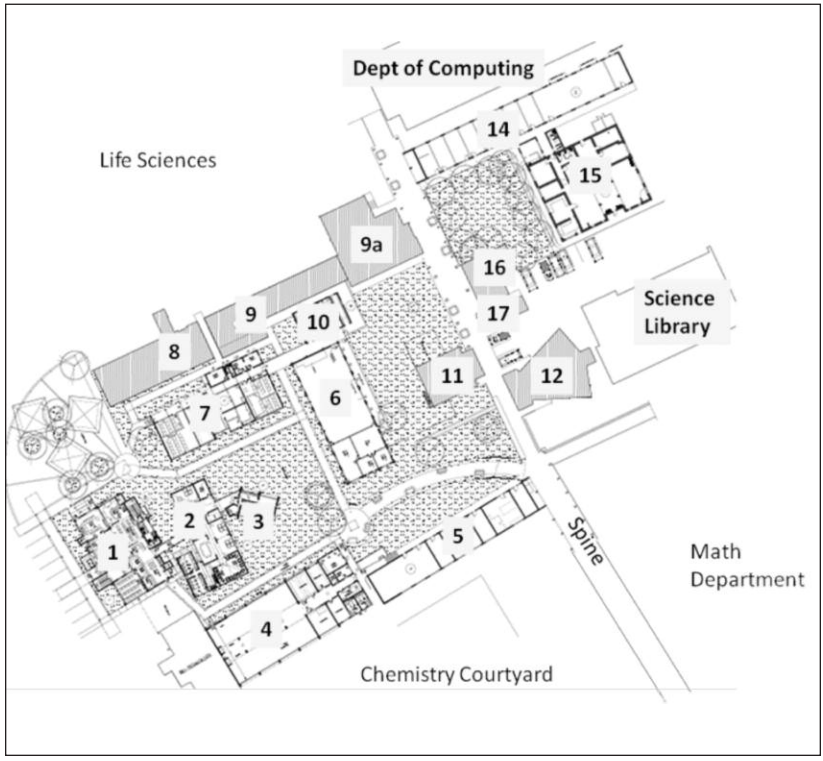


Back to Table of Contents

A large contingent of part time and adjunct lecturers contribute significantly to the teaching of the engineering courses. The part time staff are from a wide cross section of industry including, industrial controllers and electrical engineering consultancy firms, JenTech Consultants, Television Jamaica (TvJ), JDF, law firms, and other engineering and business sectors. Adjunct staff are sourced from departments within the FST, particularly Physics, Computing, Mathematics and Faculty of Engineering in St Augustine.

## INFRASTRUCTURE AND EQUIPMENT

The vacated buildings of the Department of Basic Medical Sciences have been re-assigned to the Mona School of Engineering. The map below shows the layout of these building and the surrounding Departments within FST.



The following list of equipment have been ordered and are expected to be delivered and installed during 2014–2015:

- IT Switches, wireless routers and accessories
- Equipment for Civil Engineering labs: Fluids Lab, Materials and Soils
- Equipment for Electronics Engineering lab
- 90 Dell computers

### LIBRARY AND TEXT BOOKS

The Science Library has created a special space to accommodate engineering books and other reading materials. Physical books and electronic books are being sourced and will add to the already existing stack.

As part of the tuition package, each full-fee paying engineering student is supplied with a Kindle Fire Tablet and rental copies of E-Books for every course across the 3-year engineering programme. The MSE through UWI E-Test formed a contractual arrangement with Pearson Publishers to supply the required E-Text. These are supplied on a 6 month rental and access codes are given to students at the start of each semester. Whenever the required text cannot be sourced by Pearson then a one-off arrangement is made with other publishers, such as John Wiley & Son.

### OUTREACH

The MSE continues outreach activities via partnerships with the Physics Department, the Faculty of Science and Technology and the UWI Mona recruitment team. This activity will increase during 2014–2015, and will include open-house activities to showcase student final year projects and engineering research.

### COMMERCIAL OPERATION

The MSE continued the commercial operation of the Electronics Unit, with primary maintenance of biomedical equipment for the University

Hospital of the West Indies (UHWI). This commercial activity has been formalized into a corporate business entity, Mona Technology Engineering Services, with start date slated for October 1, 2014. MTech will employ engineering graduates of MSE and will specialize in the following areas of local, regional and international services:

1. Maintenance of Equipment and Engineering Systems
2. Research and Development
3. Engineering Support and Consultancy
4. Manufacturing
5. Training (overlap with MSE)

## INDUSTRIAL PARTNERS AND COLLABORATORS

The MSE has developed a very strong partnership with JenTech Consultants for the support and delivery of the BSc Civil Engineering programme, and with the HEART NTA for providing advanced certification training to 2nd and 3rd year Electronics Engineering students. MSE is in the process of implementing formal partnerships with:

- Advanced Integrated Systems (AIS) for training engineering student interns to install and maintain ICT products. The students are expected to transition as junior engineers into MTech where maintenance services will be provided to AIS.
- Jamaica Defence Force (JDF) for providing summer internships and artisan training to engineering students. Special arrangements will be made to accommodate qualified JDF staff into the Mona engineering programmes.
- The University of Florida for collaborative research and teaching. Discussions have already started with Visiting Professor, Haniph Latchman.
- Biomedical International Corporation (BIC) and General Electric (GE) for engineering support to the maintenance of biomedical instruments. This will be predominantly taken over by MTech.

- Jamaica Public Service Company (JPSCo) has agreed to support the BSc in Electrical Power Engineering that will be proposed for startup date in 2015–16. Lab equipment and simulation software selection and sourcing have been discussed.

A very strong collaborative partnership exists between the MSE and the Faculty of Engineering, St. Augustine, and the Faculty of Science and Technology, Mona.

### INTERNSHIPS AND TRAINING

The MSE has partnered with HEART NTA and the JDF to offer summer training and internships, respectively. Since summer 2013, level 2 and 3 Electronics Engineering students have received HEART NTA certification as Advanced System Administrators. Thirty-nine (39) students completed the programme and eleven (11) attended the HEART NTA graduation ceremony on November 21, 2013. This collaboration was accommodated under the existing MOU between the UWI Mona and HEART NTA, and was facilitated through the Faculty mobilization office.

Seven (7) Level 1 Civil Engineering students were successfully employed as interns over summer 2014 with some being employed for a six week duration across different companies. Some of the participating companies are:

- The Jamaica Defence Force (JDF)
- The National Road Operation and Construction Company (NROCC)
- China Harbour Engineering Company
- JAMALCO (work-study programme)
- Caribbean Cement Company

Students were also employed to other companies via their usual summer internship programmes.

## EMPLOYMENT STATISTICS

The MSE has implemented a tracking mechanism for all its graduates. The information collected and stored will be required for accreditation purposes. More than 70% of the engineering graduates of 2014 are already employed. Full data collection will be completed shortly.

## SEMINARS/WORKSHOP/FORUM/SYMPOSIUM

**Dr. Paul Aiken**

- Panelist, STEM forum on Education, Theme: The Implementation of Science Technology Engineering & Mathematics (STEM) Education: Opportunities and Challenges; UWI Mona Western Jamaica Campus; April 12, 2014.
- Discussant to Professor Gordon Shirley's Presentation; Logistics Hub Symposium, Part 1; UWI Regional Headquarters; November 9, 2013.

**Mr. Lindon Falconer**

- Poster presention PhD research at UK Speech Conference, University of Edinburgh, UK (June, 2014), title: "Modelling hearing impaired-listeners' perception of speaker intelligibility in noise"
- Attended workshop on Speech Synthesis for Psychoacoustic and Phonetics research at the University of Edinburgh, UK from July 8–9.
- Attend University of Sheffield Engineering Symposium June 23, University of Sheffield, UK.

## PUBLIC SERVICE

**Dr. Paul Aiken**

– Member, Continuing Education Committee of the Professional Engineering Registration Board (PERB)

– Senior Member, Institute of Electronics and Electrical Engineers (IEEE)

Back to Table of Contents

# FACULTY OF SOCIAL SCIENCES

## Mona

Year ending July 31, 2014

EVAN DUGGAN

**BSc** *UWI*, **MBA, PhD.** *Georgia State*

**Dean**

# – *Dean's Overview* –

## INTRODUCTION

The Academic year 2013/14 commenced with a measureable amount of changes to the management structure within the Faculty. On August 1, 2013 the Faculty welcomed the new Executive Director of Mona School of Business and Management (MSMB), Densil Williams. Professor Williams was former Deputy Executive Director, succeeding Professor Paul Simmonds who demitted office. Consequently, Lila Rao Graham was appointed acting Deputy Executive Director. Additionally, there were news heads for the Departments of Sociology, Psychology and Social Work (SPSW) and Government when Heather Ricketts succeeded Clement Branch who had been head for four years and Lloyd Waller succeeded Jessica Byron who had served as head of Government for three years. On October 1, 2013, Andrew Spencer was appointed Head and Programme Director of the Centre for Hotel and Tourism Management (CHTN), Nassau, Bahamas for a three year period initially. On the same note, the Faculty would like to acknowledge Arlene Bailey our new Associate Dean, Research and Innovation who replaced Adullahi Abdulkadri.

The Faculty would also like to highlight a few special appointments of members of staff who have been called upon to serve beyond their normal scope of duty. Mr Ralph Thomas, former Senior Research Fellow

at MSBM, has been seconded by the Campus to the Ministry of Foreign Affairs and Foreign Trade for three years initially, where he will serve as Jamaica's Ambassador to the People's Republic of China. The Appointment took effect July 2013. Professor Brian Meeks, Director of SALISES, Mona, was appointed University Director of SALISES effective August 1, 2013 and Ms. Minna Israel, Chairperson of the Board and Distinguished Business Fellow of MSBM, has been appointed as Special Advisor to the Vice-Chancellor on Resource Development, for a period of two years beginning September 2, 2013.

Faculty Day 2013 was held on August 20, 2013 under the theme "What's love got to do with it? My Faculty and Me." The primary focus for this year's event was Employee/Employer Engagement. There were presentations from representatives of the University Registrar's office and a very interesting feature on Mrs. Hermione McKenzie, Sociologist, and a former Senior Lecturer in the Department of Sociology, Psychology and Social Work.

## HIGHLIGHTS OF WORK IN THE FACULTY

The Faculty of Social Sciences continued with its distinguished George Willie Lecture Series with the second lecture on November 7, 2013, which was delivered by Mr. D. Michael Bennett, Senior Vice President, Information and Management, and chief Information Officer of BAE Systems, the multinational defence, security and aerospace company on "Technology Leadership" with, Mr Earl Jarrett, General Manager of Jamaica National as the discussant.

## FINANCIALS AND PARTNERSHIPS

As part of its strategic plan to diversify and broaden its funding base, the Faculty continued to forge strategic partnerships with and obtained research funding from private and public institutions as well as other local and international educational institutions. In this regard, Dr Abdullahi Abdulkadri and collaborators received a 499,000 Euro EDULINK grant for a project titled "Promotion of Capacity and Energy

Education Development in the Caribbean Region" (PROCEED-Caribbean). PROCEED-Caribbean is a multi-institutional collaboration involving the Mona and Cave Hill campuses, UTECH, The University of Turku and Tampere University of Technology both in Finland, and the University of Oriente, Cuba. The overall objective of the project is to increase capacity and knowledge through improved higher education on energy-related issues and climate change. As part of project activities under this EU funded project, the Department of Economics hosted a workshop on energy Planning and Model during the period December 3–5, 2013 which was attended by faculty and students from UWI and UTECH, government technocrats, practitioners and energy sector stakeholders.

The Caribbean Internship Project (CIP), a partnership between the UWI Mona, St. Augustine and Cave Hill campuses, received grants amounting to US$28,000 from the UWI to support internships in 2014. Ten interns from the disciplines of Social Work, Psychology and Education, were deployed to social service agencies in six Caribbean countries.

In an effort to encourage and foster the delivery of joint academic programmes, the Faculty has met with the Caribbean Maritime Institute (CMI) to consider a proposal for the institutional collaboration between the UWI (through the Mona School of Business and Management) and CMI. A meeting was convened in October 2013 involving representatives from both institutions at which preliminary discussions were held to evaluate the benefits that could be derived from such an arrangement. These initial discussions were very encouraging and further meetings have been planned at which the proposal will be more thoroughly reviewed.

## EMPLOYEE ENGAGEMENT AND DEVELOPMENT

The faculty has linked into the Employee Engagement perspective of the University's strategic plan 2012–17, The Faculty supported the Department of Sociology, Psychology and Social Work whose staff participated in a three-day retreat involving discussions on the corporatization of higher

education and the role of the department in local, regional and global context; the preparation of SWOT Analysis; and unit discussions regarding the growth and development of new Programmes/Specializations and the strengthening of existing degree majors. Post-retreat the findings of the SWOT analysis were shared with the Principal and the Dean. This initiative shows the commitment of staff members to develop staff competencies, strengthen performance and to reposition the Department for greater efficiency and effectiveness.

On January 18, 2014, in an effort to improve Employee Engagement, the Faculty, through its Excellence in Teaching Awards, recognized the following lecturers as outstanding. They were awarded for consistently scoring 4.5 and above (of a possible 5) over the two semesters in all courses taught in the previous academic year: Damien King, Xhano Soares, Denarto Dennis (WJC), Christine Cummings, Karen Jones-Graham, K'Adawame K'Nife, Michael Roofe, Moji Anderson, Orville Beckford, Heather Ricketts and Denise Simpson. Damien King, Head for the Department of Economics was awarded the special prize as the most outstanding lecturer 2012–13.

## TEACHING, LEARNING AND STUDENT DEVELOPMENT

The Faculty, in keeping with the UWI Strategic Pan 2012/2017, has sought to enhance academic quality to support the development of the key attributes of the UWI graduate. In this regard, the Department of Economics, in continuation with its revision of both the undergraduate and graduate curricula, received approval to change the requirements for a major in Economics. This widened students' choices and allowed students the option of satisfying the pre-requisites for majors and minors outside of the Faculty. This included the replacement of compulsory level I courses in politics and sociology with free electives. Additionally, in moving towards harmonization with the other main campuses, one compulsory second course in Calculus was replaced with an Economic elective. This flexibility will allow students with weaker mathematics skills or little ambitions to do economics at the graduate level to still be able to complete the BSc Economics.

Approval has been granted for the Department of Economics to offer a new course called the Economics of Sports. This course will explore the analytical framework used by economists in assessing the impact and value added of sport development, sport infrastructure and sporting events for the upcoming academic year.

In August 2013 SALISES welcomed its first group of students reading for the Masters in Development Studies. The new curriculum, with its emphasis on leadership training, critical thinking, advanced academic writing and exposure to a foreign language, is designed to create flexible, interdisciplinary leadership cadres able to operate at the highest levels in a variety of environments and to improve student development. Similarly, in an effort to improve academic quality, SALISES completed a scheduled review of the MPhil/PhD programme addressing curriculum changes, more rigorous entry requirements and a series of administrative improvements to strengthen throughput and the overall quality of the research graduate programme. These policies are expected to be implemented in the coming academic year.

In order to keep our staff current and updated with the changes in University policies and systems, a workshop on the revised GPA and the implications for course assessment was conducted on March 21, 2014. The main purpose was to inform and sensitize members of staff within the Faculty of the connotations of these changes for student academics.

With funding from the Organisation of American States (OAS), the faculty offered a 21-credit graduate Diploma in Social Protection spearheaded by the Department of Sociology, Psychology and Social Work. Dr. Heather Ricketts was appointed Academic Director. This programme, conducted primarily online, is the first of its kind in the English-speaking Caribbean and targets public sector officials from Caribbean Member states of the OAS, in a position to influence social protection policy. Some thirteen officials representing eight countries (Barbados, Dominica, Guyana, Jamaica, St. Lucia, St. Vincent and the Grenadines, Suriname and Trinidad and Tobago) have started the course, eleven of whom will graduate in the 2014 graduation ceremonies, and the other two in 2015. The programme's objectives are to:

- Build/Enhance capacity to conceptualize and design Caribbean or country specific social protection strategies, policies, programmes;
- Enhance capacity to deliver social protection programmes;
- Build/Enhance monitoring and evaluation capacity.

The anticipated outcomes of the venture include:

- The strengthened knowledge base of those who influence and make social policy and social programmes.
- The appreciation of the value of research and data to balance experimental knowledge
- The infusion of policy making with increased academic rigor.

The BSc Social Work (Special) Degree was restructured from a total of 90 required credits to 99 credits to complete the degree. Among the new changes within the Department of Sociology, Psychology and Social Work are:

- The addition of a Human Behaviour in the Social Environment II course
- An extension of Human Behaviour in the Social Environment 1
- The inclusion of higher level statistics training as a requirement
- The introduction of a Social Work Practice Skills Lab and the introduction of a new course; Social Work in Schools.

This new specialized Social Work Degree will be offered for the first time in the academic year 2014/15.

The Mona School of Business and Management and the School of Education, in collaboration with the Ministry of Education (National College for Educational Leadership), has developed the curriculum for the Principals' Professional Qualifications Programme – Aspiring Principals' Programme consisting of four modules and a practicum which will be delivered by Faculty members from the Social Sciences and the School of Education. It was officially launched at an orientation exercise held on

March 22, 2014. This initiative has been made available to both Mona and Western Jamaica Campuses.

The Faculty supports SALISES with its plans to completely refurbish its Documentation Centre. The centre is to be named in honour of the late Norman Girvan, first Director of SALISES and to establish the George Beckford room as a dedicated visitor centre, welcoming area and archival resource, housing the documents of outstanding members of the Faculty of Social Sciences. These infrastructural plans are for 2014 and beyond.

## CHALLENGES

After considerable effort, air conditioning has been restored to all offices and classrooms on the Alister McIntyre Complex. We have now been able to successfully connect the complex to the UWI AC Service to obtain chilled water. This plant has effectively bypassed the previous chiller system and should result in a more effective solution to the recurring problems experienced with the system previously. Additionally, the Faculty has installed water tanks in all the necessary areas so as to maintain proper hygienic practices in the face of regular disruption of water supply from the National Water Commission.

## RESEARCH AND INNOVATION:

The Mona School of Business and Management, under the historic agreement signed between the UWI Mona and the National Commercial Bank (on February 20, 2014) will be conducting applied research (funded by NCB to the tune of US$950,000) focusing on strategies for corporate renewal and transformation in the Caribbean region. The programme, which is the first of its kind, aims to generate new knowledge to guide Jamaican firms on how to develop dynamic capabilities and strategies for profitable growth. Under the terms of the agreement the research will be conducted in two phases.

- Phase 1 will be conducted over two years, from January 2014 to December 2015, and deliverables include two technical papers, a seminar and a short executive-level course for NCB.

- Phase 2 is a sponsored professional chair. The occupant of the chair will engage in a variety of scholarly activities to advance knowledge in the area, including publication of scholarly academic papers, which will also be distilled for consumption by the general public.

The Dean, Professor Evan Duggan, participated in the UWI – SUE Research Projects Meetings held on March 11 and 12, 2014 at the UWI Regional Headquarters. The meetings involved representatives from all campuses of the UWI and a delegation of researchers from Caribbean Colombia Universities (SUE Caribe), and were convened to explore possibilities for the establishment of research partnership involving the FSS, UWI and SUE Caribe.

Developing research capacity in areas of critical importance to the Caribbean and international community is of major priority in the promotion of new knowledge and innovations. The faculty recognizes that in a society of increasing technology and innovation, research is the foundation for social, cultural, economic and environmental innovations which continue to drive society forward. Consequently, during the academic year under review, several papers, journal articles, books, and book chapters were published by members. The publications covered a variety of areas including cultural differences; racial and ethnic differences in family profiles; body dysmorphic disorder; eating disorders and attitudes; depression; blackness and the demand for authenticity; intergenerational profiles and individual outcomes; migrant health and ICT's; intergenerational living arrangements and well-being in comparative prospective; multigenerational families; multigenerational issues in an aging society; domestic violence; parenting and academic achievement; body image and depressive symptoms; biracial and multiracial identity; demographic and social factors in the use of licit drugs; violence among young people; job satisfaction; housing and information; Caricom Single Market; gender and age; climate change and technology among others.

The Faculty would like to congratulate members of staff who received Research Days 2014 awards. Dr Garth Lipps and his collaborators received the Best Research Publication and Multidisciplinary/Cross-Faculty Collaboration Award for the publication entitled "Parenting and

Depression Among Adolescents in Four Caribbean Societies"; Dr Patricia Northover received the award for Best Research Publication and Most Outstanding Researcher for her publication "Abject Blackness, Hauntologies of Development and Demand for Authenticity; A Critique of Sen's Development as Freedom"; Dr Lloyd Waller received the Best Research publication for his work on Mobile Smartphones as Tools for 'Efficient' and 'Effective' Protesting: A Case Study of Mobile Protesting in Jamaica; Professor Ian Boxill was awarded the Research Project with the greatest business/ economic/ development impact for his work on the Greater August Town Film Project. Drs Lloyd Waller and Abdullahi Abdulkadri and their collaborators received the award for the Research Project attracting the most funds for their work on "Development of a set of tools to facilitate Comparative Analysis between less developed countries within the Caricom Single Market and Economy Predictions of Agglomeration" and the Greatest Multidisciplinary/Cross-Faculty Collaboration Award went to Dr Patricia Northover, Dr Lloyd Waller and Dr Leith Dunn (from the Department of Gender Studies) for their work entitled "Mainstreaming Gender and Age in USAID's Rural Development and Climate Change Adaptation".

In an effort to remain relevant to the community and the general public, a number of public lectures and seminars have been held in Jamaica, the Caribbean region and internationally. Departments in the Faculty collaborated with other departments and institutes to host several public events in highlighting research and innovation. Such events included:

- A consultative session with senior managers in the public sector hosted by the Public Sector Management Unit by a team driven by Dr. Eris Schoburgh and Sonia Gatchair.
- The *IDEAZ Journal* (UWI) and *IDEAZ* (Austrailia) in collaboration with the Centre for Tourism and Policy Research and the Department of Government UWI hosted an international Conference on Political and Economic Change titled "The Remaking of Global Hegemony" in February 2014 at the UWI Regional Headquarters.

## STUDENT ACHIEVEMENTS

The Mona School of Business and Management (MSBM), in partnership with the University of Technology, Northern Caribbean University, The Private Sector Organization of Jamaica (PSOJ), the Development Bank of Jamaica and the Inter-American Development Bank (IDB) established the National Business Model Competition (NBMC), geared at stimulating greater levels of entrepreneurship. Neville Graham and Trudy McCurchin (MSBM students) earned second place in the inaugural competition held on March 7, 2014 at the Jamaica Conference Centre. The students were awarded for their product, "Jam Lamb" which focused on the distribution of high quality Jamaican lamb meat throughout the island. Similarly, the Faculty wishes to congratulate Alicia Brown and Ana-Kay Green, MBA students from MSBM who were winners of the Opportunity Funding Corporation Venture Challenge (OFVC) competition held on April 10–13, 2014 in Atlanta, Georgia. The students won the overall competition as well as awards for Best Presentation and best business plan making this the university's third time winning the competition over a four year period.

The Faculty is also pleased to highlight the work of Sherry Perrier, a final year Banking and Finance student, on being offered a scholarship to attend the 17th World Business Dialogue Youth Conference in Germany from March 13–14, 2014. The World Business Dialogue is a business conference hosted by the University of Cologne, and is one of the world's largest international conventions organized by students. It seeks to bring together "the leaders of today with the leaders of tomorrow to analyze and discuss important topics in today's global economy". Ms Perrier was one of the 300 international delegates present at the conference selected from a highly competitive pool of over 1400 international applicants.

Once again the Faculty facilitated the participation of several graduate students and lecturers from the Department of Economics in the Annual Conference of the Southwestern Economics Association in San Antonio, Texas from April 16–19, 2014. A total of eleven papers were submitted by our graduate students in addition to papers presented by three



Back to Table of Contents

lecturers; Christine Clarke, Alecia Evans and Abdullahi Abdulkadri. Two of the graduate students; Donya Brown and Kemar Whyte were tied for the third place prize in the Graduate Students' Paper Competition for their papers entitled "Export elasticities and export performance; Evidence from OECD countries" and "Investigating the interactions between capital buffers, credit and output growth: Evidence from the Jamaican banking sector," respectively.

## CONCLUSION

In the academic year 2013/14 the Faculty, in keeping with the UWI 2012–17 Strategic Plan, has aimed to sensitize members of staff to its aims and objectives academically, financially, internally and externally in accordance with the overall mission of the University. In recognition of the need for financial diversification the Faculty has sought other sources of funding for research and innovation from private and public organizations both locally and internationally. The Faculty recognizes the need for Employee Engagement within the work place and has taken several steps to identify and implement solutions to improve working conditions to enhance employee development and confidence.

Academic quality is of utmost importance to the Faculty. The Faculty, in ensuring excellence of academic processes, continues to develop plans and procedures to improve and harmonize the curriculum of both undergraduate and graduate programme offerings. Systems have also been implemented to improve our ability to recruit and retain high-quality students. The Faculty promotes and supports research and development by creating and implementing supportive policies, offering incentives for research, recognizing accomplishments as well as garnering funding and sponsorships through collaborations or grants from local and international institutions. The Faculty prides itself in its research and innovation and continues to support cutting-edge research and inventive products from its faculty and staff.

# DEPARTMENT OF ECONOMICS

**Dr. Damien King,** PhD *NYU*, MSc *UWI*, BA *York*
**Head of Department**

## WORK OF THE DEPARTMENT

The Department has continued, through teaching, research, publication and public service activities to contribute to the University's mission. Academic year 2013/14 was a productive one. This year saw the addition of two new faculty members, Dr Jan Keil a graduate from New School University and Dr Samuel Braithwaite from Temple University. The Department bade farewell to Ms Georgia McLeod and Professor Mark Figueroa. Professor Figueroa, a long standing member of the department accepted an offer to transfer to the Sir Arthur Lewis Institute of Social and Economic Studies (SALISES) as a professorial fellow. He has served the Department for over 40 years.

## CURRICULUM DEVELOPMENT

The review of the undergraduate curriculum has continued. The Department received approval for changes to the requirements for a

major in economics. The result of the changes was that students now have two free electives at level I, allowing for a greatly expanded possibility for the students to add minors from other departments and even other faculties to their programmes. To facilitate new students to take advantage of the newly available flexibility, the Department has assembled and disseminated at orientation a list of possible minors and their level I course requirements.

To move towards harmonisation with Cave Hill and St Augustine, as promoted by the Board for Undergraduate Studies, we have also replaced one of our compulsory level II courses with an economics elective. This will allow students with somewhat weaker mathematics and with no ambitions to do economics at the graduate level to be able to complete the BSc economics.

The Department, in its bid to broaden its course offerings, sought and has received approval for two new courses, both of which will be offered in 2014/15 – ECON2025: Economics of Sport and ECON2072: Financial Markets. Economics of Sport explores the analytical frameworks used by economists in assessing the impact and value added of sport development, sport infrastructure and sporting events. Financial Markets is designed to introduce students to basic and important concepts in financial economics. As such it covers the most important core topics including the valuation of bonds, and derivatives as well as the measurement of risk.

**PUBLIC FORA**

| | |
|---|---|
| Title: | "Jamaica and the IMF: Is this time different? |
| Presenters: | Dr. the Hon Peter Phillips, Minister of Finance |
| | Prof Brian Meeks, Director of SALISES, UWI |
| | Dr. Damien King, Head of Department |
| Date: | February 12, 2014 |



Back to Table of Contents

| | |
|---|---|
| Title: | "Evaluation of Fiscal Policy in Jamaica" |
| Presenters: | Mr Audley Shaw, JLP Spokesperson on Finance |
| | Dr Christine Clarke, Lecturer, Department of Economics and Moderator |
| | Dr Damien King, Head of Department |
| Date: | March 13, 2014 |
| Title: | "Sustainable Development and the Caribbean Region" |
| Presenter | Prof. Jeffrey Sachs, Colombia University, Director of the Earth Institute |
| Date: | May 7, 2014 |
| Title: | "The Role of the IMF in the Caribbean" |
| Presenter: | Madame Christine Lagarde, Managing Director of the IMF |
| Date: | June 27, 2014 |

## PAPERS PRESENTED

### Conference Presentations

**Abdullahi Abdulkadri**

- "Meeting the Renewable Energy Target for Jamaica: Options and Consequences" presented at the 94th Annual Conference of the Southwestern Economics Association in San Antonio, Texas, from April 16–19, 2014
- "To adapt or to mitigate: How the Caribbean grapples with Climate Change" presented at the 94th Annual Conference of the Southwestern Economics Association in San Antonio, Texas, from April 16–19, 2014

- "Prospects for a Sustainable Low-Carbon Future for Jamaica" presented at the Sustainable Futures in a Changing Climate Conference, Helsinki, Finland from June 11–12, 2014.

**Christine Clarke**

- "Evaluating The Sustainability of Jamaica's Fiscal Debt Policies" co-authored with Barry Reilly of the University of Sussex, presented at the 94th Annual Conference of the Southwestern Economics Association in San Antonio, Texas, from April 16–19, 2014
- "Managerial Performance and Team Composition in International Soccer: Evidence from Jamaica" at the Western Economic Association International (WEAI) 89th Annual Conference Friday–Tuesday, June 27–July 1, 2014 | Grand Hyatt Denver, Colorado.

**Alecia Evans**

- "Preservation or Exploitation? What to do with Caribbean ecosystem" presented at the 94th Annual Conference of the Southwestern Economics Association in San Antonio, Texas, from April 16–19, 2014

**Mark Figueroa**

- "Gendered Participation, Achievement and Leadership at The University of the West Indies; 1982–2012". Presented to Institute for Gender and Development Studies (IGDS) 20th Anniversary Conference on Gender Transformations in the Caribbean "Continuities, Challenges and Transformations in Caribbean Gender Relations", UWI, St Augustine, Trinidad and Tobago, November 6–8, 2013: 32 pp.
- (with Michael Witter) "Body Image and Beauty: The Socio-Economic Costs and Benefits." Presented to Dying to be Beautiful? Body Image, Eating Behaviours and Health in the Caribbean, UWI, Mona, June 27–29, 2014.

**Andre Haughton**

- "Exchange rate movements, stock prices and volatility in the Caribbean and Latin America," World Finance and Banking symposium, December 12–17, 2013 in Beijing China

**Jan Keil**

- "New Insights On The Determination Of Profitability Differentials" at the 2014 International Business Conference in Munich from June 8–12, 2014

**Nadine McCloud**

- "Foreign Direct Investment and the Domestic Capital Stock: Heterogeneous Spillover Effects and the Role of Institutions," Department of International Economics and Trade in the School of Economics and Management, Beihang University, Beijing, China by Michael Delgado and Nadine McCloud, December 11, 2013, 44 pages, presented by Michael Delgado.
- "An Instrumental-Variable Approach to Estimation and Inference of Conditional Distribution Models with Endogeneity" (with Yongmiao Hong). Presented by Yongmiao Hong at the International Symposium on Recent Developments in Econometric Theory with Applications in honor of Jerry A. Hausman on June 23, 2014 at the Wang Yanan Institute for Studies in Economics, Xiamen University, China.

## STUDENTS

As is customary, several graduate students from the Department participated in the Annual Conference of the Southwestern Economics Association in San Antonio, Texas, from April 16–19, 2014. Among them, 11 papers were submitted. In addition three lecturers from the department, Christine Clarke, Alecia Evans and Abdullahi Abdulkadri, presented papers at the conference. Two of the students, Donya Brown and Kemar Whyte were tied for the third place in the Competition for best papers by graduate students for their paper entitled "Export elasticities and export performance: Evidence from OECD countries" and "Investigating

the interactions between capital buffers, credit and output growth: Evidence from the Jamaican banking sector," respectively.

## DEPARTMENT OF ECONOMICS SEMINAR SERIES

**Samuel Braithwaite**

"What do Demand and Supply Shocks say about Caribbean Monetary Integration? February 13, 2014.

**Marie Freckleton/ Patrice Whitely**

"Regional Integration: Institutions and Growth in Cariforum countries" November 14, 2013.

**Edward Ghartey**

"Evidence of Economic Growth and Financial Development: Lessons from an Emerging Middle Income Country" October 10, 2013.

**Jan Keil**

"Competition, Probability, and Industry Structure: New evidence from the United States" October 24, 2013.

**Nadine McCloud**

"Heterogeneous Symbiosis and Commensalism between Foreign Direct Investment and Economic Growth" April 10, 2014.

## PUPLICATIONS

### Refereed Journals

- **Freckleton, Marie** and Patrice Whitely "Regional Integration, Institutions, and Export Performance in CARIFORUM Countries" *Regional Development Studies* vol.16, pp. 31–39
- **Ghartey, Edward**, "Effects of tourism, economic growth, real exchange rates, structural changes and hurricanes in Jamaica" *Tourism Economics*, 19(4), 919–942

- **Ghartey, Edward** (with Tom M Amonde), "Stabilization effects of narrative-based monetary policy in Jamaica", *International Economic Journal*, 27(3), 463–486
- **Tennant, David** and Tracey, Marlon. 2014. "Financial Intermediation and Stock Market Volatility in a Small Bank-Dominated Economy". *Journal of Developing Areas*. 48(4): 73–95.
- **Tennant, David** and Tracey, Marlon. 2013. "Explaining related party transactions in commercial banking: looted lending and information-based investments". *Applied Financial Economics*. 23(19): 1509–1530

### Non-Refereed Book Chapter

- **Figueroa, Mark**. "Is the Gender Gap in Academic Leadership Disappearing in the Commonwealth Caribbean?" In *Commonwealth Education Partnerships* 2013/2014, commissioned by Andrew Robertson with Rupert Jones-Parry. Nexus Strategic Partnership, Cambridge: 140–1.

### Technical Reports

- **Figueroa, Mark**; report prepared for the Caribbean Policy Research Institute, entitled: 'Are Bank Fees in Jamaica too High?' 2014, 14 pages.
- **Figueroa, Mark**; Policy Brief prepared for the Caribbean Policy Research Institute, entitled: 'Creating National Wealth through the Jamaica Logistics Hub: Looking Beyond Ports and Parks to People and Processes', 2014, 46 pages

### AWARDS

"Development of a Set of Tools to Facilitate Comparative Analysis between Less Developed Countries within the CARICOM Single Market and Economy Predictions of Agglomeration," being the Research Project Attracting the Most Research Funds award. Presented at the FSS Research Awardees Seminar, March 27, 2014.

## INCOME GENERATION

### Abdullahi Abdulkadri

Dr. Abdulkadri and collaborators received a 499,000 Euro EDULINK grant for a project titled "Promotion of Capacity and Energy Education Development in the Caribbean Region" (PROCEED-Caribbean). As part of project activities under this EU-funded project, the Department of Economics hosted a workshop on Energy Planning and Modeling during December 3–5, 2013. The workshop was attended by faculty and students from UWI and UTECH, government technocrats, practitioners and energy sector stakeholders. PROCEED-Caribbean is a multi-institution collaboration involving the Mona and Cave Hill campuses, UTECH, The University of Turku and Tampere University of Technology both in Finland, and the University of Oriente, Cuba. The overall objective of the project is to increase capacity and knowledge through improved higher education on energy-related issues and climate change. A follow-up workshop is planned for April 2014 ahead of a Sustainable Futures in a Changing Climate Conference in Finland in June 2014.

### Christine Clarke

New Initiative Grant Award for J$1.1m to investigate Exploring Policy, Financing & Outcomes In Sports: Are They Related? –The Case of Jamaica for AY2014/15

## PUBLIC SERVICE

### Marie Freckleton

– Member, Board of Directors – Jamaica Bauxite Mining

– Member, Board of Directors – Bauxite and Alumina Trading Company

### Nadine Mcloud

– Member, Board of Directors – Jamaica Maritime authority

**David Tennant**

– Member of the Loans and Investment Committee of the Petrocaribe Development Fund

– Member of the Jamaica Survey of Living Conditions (JSLC) Steering Committee

## STUDENTS

The Department offered 4 undergraduate awards and 4 postgraduate awards. The M.Sc. Economics programme registered 48 students in the 2013/2014 academic year. There are 19 first year students and 23 second year students in the programme. Twenty students have been recommended to graduate in November 2014. The M.Sc. International Economics and International Law programme had 5 students registered in the 2013/2014 academic year, 3 first year students and 2 second year student. One student has been recommended to graduate in November 2014. The Department MSc programme offered two scholarships, the De La Rue Scholarship offered to two students and the G Arthur Brown Scholarship offered to one student.

Students registered in the Department's undergraduate programmes are listed below:

| Major/Minor | Total |
|---|---|
| Banking & Finance Major | 475 |
| Banking & Finance Special | 20 |
| Business, Economic & Social Statistics | 5 |
| Economics Major | 426 |
| Economics Special | 15 |
| Economics Minor | 13 |
| Statistics Major | 87 |
| Statistics Minor | 21 |
| **Total** | **1,062** |

# DEPARTMENT OF GOVERNMENT

**Dr. Lloyd Waller,**
**Head of Department**

## WORK OF THE DEPARTMENT

The Department collaborated with other departments and institutes to host several public events. These include:

- On September 20, 2013 Dr. Omar Hawthorne took her US Foreign Policy Graduate (GOVT6094) Seminar group on a field trip to the Paul Robson Information Centre at the US Embassy as well as to meet with the newly appointed Public Affairs Officer, Christopher Degnan.
- Dr. Jermaine McCalpin delivered a lecture at the 15th Annual Walter Rodney Memorial Lecture on Thursday October 10, 2013. The lecture was titled "How Africa Developed Europe: Walter Rodney and the Moral Burden of Reparations".
- Dr. Raymond L. Brown, Former Deputy Chief of Mission of the Embassy of the United States of America did a guest lecture in

GOVT6094/GT68A United States Foreign Policy on the topic "United States Foreign Policy towards Africa in the 20th Century" on Wednesday October 23, 2013 at 5:00–8:00 pm in the Multifunctional Room which is located at UWI Main Library. The students for GOVT2009/GT22M Introduction to African Politics were also in attendance.

- Professor Andy Knight, Director of the Institute of International Relations, UWI St. Augustine delivered a guest lecture in GOVT6064 on Oct. 1 2013 on the topic "Towards a New Theory of International Relations". The lecture was well attended and well received.
- Also on October 1, 2013 the students in GOVT 3016/GT35E Latin American Politics and Development, viewed the film "The Official Story" on human rights violations in Argentina during the military dictatorship of the 1970s and 1980s.
- Dr. Waller designed the Department of Government's project titled "Enabling the Disabled: The use of ICTs to facilitate the inclusion of visually and hearing impaired people in the democratic process".
- Dr. Waller in collaboration with Dr. Omar Hawthorne designed the Dept. of Government project "The Jamaica Anti-Corruption Study". He also designed a programme in the Department of Government titled "The Youth in Governance and Development Programme" – a youth programme led by Department of Government students designed to facilitate and promote the integration and continued participation of young people in the formulation and implementation of national development policies and programs.
- Dr. Suzette Haughton chaired the conference panel on "Theorising Regional Integration (2) at the SALISES Regional Integration Conference 2013, Rethinking Regionalism: Beyond the CARICOM Integration Project, October 7–9, 2013, held at the UWI Regional Headquarters.
- On October 17, 2013, the Department held a public screening of the film "Lumumba" directed and produced by Raoul Peck. It looks at the chaotic early days of the Independence of the country now

known as the Democratic Republic of Congo and the assassination of its Prime Minister Patrice Lumumba. Dr. Jermaine McCalpin introduced the film.

- The Department of Government organized a showing of the Film *Moloch Tropical* on Thursday November 14, 2013 which is produced by Raoul Peck and which is a fictitious presentation of the overthrow of a president just before the bicentennial independence celebrations. It is based on a number of events and characteristics of Haitian politics. The film was introduced by Dr. Matthew Smith, Sr. Lecturer in the Department of History and Archaeology and after the showing, there was a short discussion with viewers expressing their reactions. There was a small turnout but it was a worthwhile exercise.
- On November 28, 2013 the students of Introduction to African Politics, took part in a course simulation entitled, "Congress of African Peoples", under the guidance of Dr. Jermaine McCalpin at the Social Sciences Lecture Theatre (SSLT). Dr Jessica Byron participated on the assessment panel for the simulation.
- The Public Sector Management Unit hosted a consultative session with senior managers in the public sector; this activity was a team driven effort by Drs. Eris Schoburgh and Sonia Gatchair.
- Mr. Christopher Degnan, Public Affairs Officer at the US Embassy, delivered a Guest Lecture in Introduction to International Relations on Thursday, February 20, 2014.
- Dr. Raymond Brown delivered a lecture on February 19, 2014 on Global Health and Security.
- Dr. Omar Hawthorne, (Faculty Advisor to the UN Club) accompanied members of the UN Club who participated in the Harvard University UN Model General Assembly held in Boston from Wednesday February 12 to Monday February 17, 2014. The Department would like to recognise Dr. Omar Hawthorne and Ms. Jordon Craig who were interviewed and appeared on the HNMUN Press Corps Website for their outstanding work at the General Assembly.

- Dr. Lloyd Waller hosted the Launch of the High Achievers Society on Thursday February 20, 2014 at a National Forum on Vision 2030: The Youth Perspective. The event was organised by the High Achievers Society. Flow has committed to contribute to the programmes of the High Achievers Society.
- The Department of Government High Achievers Society at The University of the West Indies, Mona Campus hosted a youth forum entitled "Vision 2030: The Youth Perspective". The event was held on February 20, 2014 in the Social Sciences Lecture Theatre (SSLT) 10 am to 4pm. The Department of Government High Achievers Society is a development programme which consists of the most outstanding students in the Department. The Society aims to uplift Jamaica by focusing on youth involvement in all aspects of society.
- The *IDEAZ Journal* (UWI) and *IDEAZ* (Austria) in collaboration with The Centre for Tourism and Policy Research and The Department of Government UWI hosted an International Conference on Political and Economic Change titled "The Remaking of Global Hegemony" on Thursday February, 27, 2014 at 9:00–5:00pm at the UWI Regional Headquarters, Council Room.
- The Department hosted a Panel Discussion that was held by its Governance Society on Wednesday, February, 26, 2014 on Corruption in Jamaica. Panelists included the Director of the National Integrity Action, the Contractor General, the President of the Governance Society and the Vice President of the Guild of Students.
- On Thursday March 20, 2014, the Governance Society visited Titchfield High School to raise social awareness about Good Governance and Development.
- On April 10, 2014, The Department of Government collaborated with the Department of History and Archeology and the French Embassy to screen a documentary film on the contribution of Senegalese soldiers to the defence of France during World War One. The film was accompanied by a short lecture-commentary from Dr. Jonathan Dalby from the Department of History and Archaeology

in the N1-Neville Hall Lecture Theater at the Faculty of Humanities and Education

- On Thursday April 10, 2014 the students of Government and Politics in Latin America, watched an Argentinean film entitled " The Official Story".
- The Centre for Leadership and Governance in collaboration with the Institute of Caribbean Studies, hosted the Inaugural Academic Conference on International Football on April 16–17, 2014.
- On Thursday April 24, 2014, Dr. Natalie Dietrich-Jones conducted a workshop entitled "Career and Education". The session was organized to provide information to students on the application process for employment and higher education. This was a follow up series as a result of requests that were made by students after the workshops on "Working in IR" series that were held in March 2014.

## AWARDS

- Dr. Lloyd Waller received three Principal's Award at the 2014 Principal's Award Ceremony.

## PAPERS PRESENTED

During the period under review, Lecturers in the Department made presentations at various local, regional and international conferences and seminars and these are detailed below.

**Byron, Jessica**

- May 14–16, 2013: Attended and presented short paper at United Nations DESA Expert Group Meeting, Cambridge UK, on Emerging Social and Economic Issues for Small Island Developing States post 2015.
- June 10–12, 2013: International Colloquium "La Integracion Regional en America Latina y el Caribe y la CELAC" organized by the Centro de Estudios de la Economia Internacional of the University of

Havana, Cuba. Paper presented "A Caribbean Perspective on Regional Integration and the Future of CELAC".

- October 7–9, 2013: "Responses to the Sovereignty/Vulnerability/ Development Dilemmas: semi-autonomous states and their integration into CARICOM and the ACS" at the SALISES Conference which was titled "Rethinking Regionalism: Beyond CARICOM".
- November 21 2013: attended a seminar and book workshop on "CELAC in the Latin American international political landscape" held at the regional headquarters of the Facultad Latinoamericano de Ciencias Sociales (FLACSO) in San Jose Costa Rica. Presented a paper entitled "CARICOM Foreign Policy since 2009: The Puzzle of Rationalizing the Old and the New, Reconciling National and Collective Agendas".
- December 5–6 2013: participated in 7th International Conference hosted by La Catedra de los Estudios del Caribe of the University of Havana "El Caribe y America Latina: en la busqueda de nuevas formas de integracion y cooperacion?" University of Havana, Cuba, and presented a paper entitled "Latin American and Caribbean Regionalism: Small Caribbean States in the context of the global political economy".
- January 25 2014: participated in the Universite Antilles-Guyane Symposium in honour of Dr. Eric Nabajoth, retiring staff member of the UAG Guadeloupe. She presented a paper entitled "CARICOM Foreign Policy since 2009: A Search for Coherence"
- April 30–May 3, 2014: presentation entitled "CARICOM Summitry: A Fundamental Aspect of Regional Governance" at the international research colloquium, "Summits and Regional Governance: the Americas in Comparative Perspective" at Laval University, Quebec City, Canada.

**Dietrich-Jones, Natalie**

- October 7–9, 2013: presented on "Locating Regionalism within National Agendas and Contexts: An Examination of the CARICOM

Mobility Framework using the case of Barbados" at the SALISES Conference which was titled "Rethinking Regionalism: Beyond CARICOM".

**Gatchair, Sonia**

- April 9–11, 2014: presented a paper on "Organizational Complexity and Tax Administration Reforms in Jamaica" at the International Research Society on Public Management Conference in Ottawa, Canada

**Henry-Wilson, Maxine**

- October 7–9, 2013: presented on "Roundtable on the Politics of Leadership in Caribbean Integration" at the SALISES Conference which was titled "Rethinking Regionalism: Beyond CARICOM".

**Hutton, Clinton**

- November 22, 2013: presented at the 9th Annual Paul Bogle Lecture at the Anglican Church Hall, Morant Bay. The title of the lecture was Marching with the Spirits into War: The Spiritual Foundations of the Morant Bay Uprising.
- October 29, 2013: gave a public lecture at the Western Campus of UWI on The Philosophy and Poetry of Peter Tosh.

**Thame, Maziki**

- February 3–7, 2014: presented a paper titled" Blackness and Hybridity in the Politics of Identity in Jamaica" at the Conference on the "Meaning of Blackness", University of Costa Rica.

**Waller, Lloyd**

- July 9–12, 2013: attended and participated in the World Justice Forum at the World Forum Convention Centre, The Hague Netherlands.

## PUBLICATIONS

### Chapters in Books

- **Dr. Clinton Hutton** "LeRoy Clarke's Art: Eyes to see Behind the Zero of Things to Reinvent Self and Re-chart the Ruins". In LeRoy Clarke *Revelations Rituals: A Celebration of Platinum-Yes, Eye Am,* 75!. Ed. LeRoy Clarke. Port-of-Spain: De Legacy House of El Tucuche

### Refereed Journal Articles

- **Dr. Malaki, Akhil**. "A Partnership Approach to Caribbean Convergence" *Caribbean Journal of International Relations and Diplomacy* 1, 3 (2013)pp, 83–94.

### Non-Refereed

- **Dr. Malaki, Akhil** September 2013: published an article in the *Caribbean Journal of International Relations and Diplomacy*, entitled, "A Partnership Approach to Caribbean Convergence" Vol 1(3) pp, 83–94.

## PUBLIC SERVICE

### Byron, Jessica

- November 1–2 2013: attended a CARIFORUM regional consultation held in St. Georges Grenada to reflect on the future of the African-Caribbean-Pacific (ACP) Group in its regions and in the Global South and to examine the options for the reform and restructuring of the ACP's decision-making bodies and Secretariat. Dr. Byron served as discussant of a paper prepared by Professor Vaughan Lewis entitled "The ACP in the Foreign Policy of CARIFORUM Countries".
- December 7, 2013: participated as member of the CLACSO Working Group on Crisis and Responses in the Caribbean Region in a one-day CLACSO Seminar on in Havana.

**Charles, Christopher**

- Volunteer Sport Psychology Consultant to the Kingston College Athletics and Basketball teams as well as the Barbican female football team. He is also a volunteer psychologist at the Eve for Life, a NGO that empowers young women living with HIV/AIDS.
- Co-chair of the Academic Conference on International Football that was held at the University of the West Indies from April 16–17, 2014. And also presented a paper entitled "Football and the Construction and Maintenance of Self among Female Players"

**Hawthorne, Omar**

- Facilitator for the Model United Nations Club Public Forum entitled "Human Rights & Police Brutality" on Thursday March 20, 2014 at the Undercroft with Commissioner Terrence Williams INDECOM, Dr. Carolyn Gomes JFJ, and Supt. Gladys Brown, Commissioner of Police Representative.

**Hutton, Clinton**

- Saturday November 16, 2013, Dr. Hutton was a guest for one hour on Talking History on Nation Wide Radio, to talk about the Morant Bay Uprising and to promote the 9th Annual Paul Bogle Lecture.
- Thursday November 28, 2013, Dr. Hutton spoke for 15 minutes on Jamaica Speaks, on Hot 102, on the Spiritual Foundations of the Morant Bay Rebellion.

**McCalpin, Jermaine**

- November 12, 2013 Dr. Jermaine McCalpin was interviewed on National Public Radio in New York on the topic of Reparations and Caricom.
- Dr. McCalpin was also interviewed on Peace FM, London, England on "The Moral Justification of Reparations".

**Schoburgh, Eris**

- Dr. Schoburgh attended the Board Retreat of the Social Development Commission October 11–12 where she made a presentation on "Local Economic Development: Planning and Executing a Programme". On October 17, 2013, she also assisted the Social Development Commission to develop a 'concept paper' on its Local Economic Development Support Programme (LEDSP). On October 24, 2013 she brought greetings on behalf of the FSS Dean to the Social Partnership Forum organized by the Mona School of Business, Private Sector Organisation of Jamaica, and Jamaica United for Sustainable Development.

**Waller, Lloyd**

- Dr. Lloyd Waller made a courtesy call on the Premier of the Cayman Islands, Alden McLaughlin.

## STUDENTS

Prizes were awarded in the following categories for the 2012/2013 Academic Year.

### A. GRADUATE

#### DEPARTMENTAL PRIZES

1. **Donovan Patrick Charles Lewis** – for Most Outstanding Final Research Paper in Caribbean Political Systems, MSc Government (CP/PT) Programme, Academic Year 2012/2013.
2. **Carlos Atonal Clarke** – for Most Outstanding Final Research Paper in International Relations, MSc Government (IR) Programme, Academic Year 2012/2013.
3. **Vanessa Letesha Williams** – for Most Outstanding Final Research Paper in Public & Development Management, MSc Government (PSM) Programme, Academic Year 2012/2013.

**STAFF PRIZES**

1. International Relations {IR} STAFF PRIZE

   Awarded to **Keisha Ann Williams** – for Outstanding Final Research Paper in International Relations, MSc Government Programme, Academic Year 2012/2013.

2. International Relations {IR} STAFF PRIZE

   Awarded to **Glenville St. Aubyn McLeod** – for OutstandingFinal Research Paper in International Relations, MSc Government Programme, Academic Year 2012/2013.

## B. UNDERGRADUATE

1. **Phillippa Jodine Paisley** – ANN SPACKMAN PRIZE – awarded annually to a Mona student registered for any degree programme (day) within the Faculty of Social Sciences, who has performed best in the GOVT1000 – Introduction to Political Institutions paper for the academic year examinations.
2. **Dominique Natalie Stewart** – PAULETTE WILSON PRIZE – awarded annually to a Mona student registered for any degree programme within the Faculty of Social Sciences, who has performed best in GOVT1006 – Introduction to Public Sector Management examination for that academic year.
3. **Shion Moya Joseph, Suzette Williamson** and **Kayrisa Nicole Kelly** – ARCHIE SINGHAM MEMORIAL PRIZE – awarded to the student (Faculty of Social Sciences) with the best performance in GOVT2006 – Foundations of Caribbean Politics; and GOVT2007 – Politics in the Caribbean.
4. **Donavon Antoney Johnson** – RUPERT LEWIS PRIZE – awarded to the student (Faculty of Social Sciences) with the best performance in GOVT2005 – Caribbean Political Thought.
5. **Donavon Antoney Johnson** – CARL STONE PRIZE – awarded annually to the student (Faculty of Social Sciences) with the best performance in GOVT2013-Research Methods in Political Science.



Back to Table of Contents

6. **Deloyta Bathsheba Eaton** – NETHERSOLE PRIZE – awarded annually to the final year student with the best performance in any degree offered by the Department of Government, with the exception of the BSc. (International Relations) e.g. BSc. (Public Sector Management); BSc. (Political Science).
7. **Deloyta Bathsheba Eaton** – GLADSTONE E. MILLS PRIZE – awarded annually to the final year student with the best performance in BSc. Public Sector Management.
8. **Shashion Anakay Thomas** – SIR LAURENCE LINDO PRIZE – awarded to a Mona student with the best performance in the BSc. (International Relations) final examination provided that the student obtains at least Second Class (Hons).
9. **Shashion Anakay Thomas** – ROSINA WILTSHIRE PRIZE – awarded to the incoming MSc. International Relations student with the best overall performance in International Relations at the undergraduate level.

# DEPARTMENT OF SOCIOLOGY, PSYCHOLOGY AND SOCIAL WORK

**Dr. Heather Ricketts**, BSc., MPhil. PhD
**Head of Department**

## WORK OF THE DEPARTMENT

During the 2013/14 academic year staff in the Department continued their commitment to the realization of the strategic perspectives of the 2012–2017 UWI Strategic Plan. In particular, members focused on Research & Innovation; Outreach; and Teaching, Learning and Student Development, and worked on strengthening the Department's Operational Plan. Staff also committed to repositioning the Department for greater efficiency and effectiveness and therefore participated in a 3-day retreat that involved discussions on the corporatization of higher education and the role of a Department such as ours in local, regional and global context; the preparation of a SWOT analysis; and Unit discussions regarding the growth and development of new programmes/specializations and the strengthening of existing degree majors. Post-retreat, the

Department shared its SWOT analysis and immediate needs with the Principal and Dean for the purposes of apprising them of our unique needs and garnering their support in tackling some of the weaknesses and threats faced. In a bid to improve its administrative function, the Head, Unit Coordinators and Office Manager met with the Campus Registrar and Dr. Allister Hinds to discuss the issues which undermined administrative efficiency and the need for the building of better working relationships with the HRMD.

## MAJOR ACTIVITIES

### Online Graduate Diploma in Social Protection 2013/2014

The Department, with funding from the Organisation of American States (OAS), spearheaded the offering of a 21-credit graduate Diploma in Social Protection during the Academic year 2013/14. Dr. Heather Ricketts served as Academic Director.

This Diploma, conducted primarily online, was the first of its kind in the English-speaking Caribbean. It targeted public sector officials from Caribbean member states of the OAS, who are in a position to influence social protection policy. Some 14 officials representing eight countries (Barbados, Dominica, Guyana, Jamaica, St. Lucia, St. Vincent and the Grenadines, Suriname and Trinidad and Tobago) took the course, 12 of whom will graduate in the 2014 graduation ceremonies, and the other two in 2015.

The programme's objectives were to:

- Build/Enhance capacity to conceptualize and design Caribbean or country specific social protection strategies, policies, programmes;
- Enhance capacity to deliver social protection programmes;
- Build/Enhance monitoring and evaluation capacity.

The anticipated outcomes are:

- The strengthened knowledge base of those who influence and make social policy and social programmes;

- An appreciation of the value of research and data to balance experiential knowledge;
- The infusion of policy making with increased academic rigour.

Members of the Department (Dr Heather Ricketts, Ms. Mary Jennifer Jones and Dr Sandra Chadwick-Parkes) and SALISES (Dr. Aldrie Henry-Lee), assisted by Mrs. Allison Bailey-Wedderburn of the Principal's Office, led the planning and curriculum development of the Diploma. Six courses comprised the Diploma:

- The Evolution of Social Protection approaches and the Metrics of vulnerability
- Social Inequality, Inequity and Marginalisation in the Caribbean
- Social Protection Programmes in a Results Framework: Monitoring and Evaluation
- The Formulation of Social Policy and the Administration of Social Protection Systems
- The Economics of Social Protection
- Applied Project in Monitoring and Evaluation

Course development was spearheaded by academics in the Department and wider Faculty. Drs. Ricketts and Chadwick-Parkes developed the course The Formulation of Social Policy and the Administration of Social Protection Systems; Drs. Garth Lipps and Arlene Bailey developed the course Social Protection Programmes in a Results Framework: Monitoring and Evaluation; Dr. Lipps, in collaboration with Dr. Deborah Duperly-Pinks, also developed the course Applied Project in Monitoring and Evaluation; while Dr. Aldrie Henry-Lee from the SALISES, Mona, and Dr. Christine Clarke from the Department of Economics developed the courses Social Inequality, Inequity and Marginalisation in the Caribbean and The Economics of Social Protection, respectively.

The final component of the Diploma, the Applied Project in Monitoring and Evaluation, was the only face-to-face component, and required the participants' engagement in a two-week workshop at Mona. This ran from July 14 to 25, 2014, and was officially started with a Welcome



Back to Table of Contents

Reception and Opening Ceremony held at the Mona Visitors' Lodge on July 14. The Principal, Professor Archibald McDonald, and the Dean of the Faculty of Social Sciences, Professor Evan Duggan welcomed all and brought greetings on behalf of the UWI and Faculty. The Minister of Labour and Social Security, Hon. Derrick Kellier brought greetings on behalf of the Government of Jamaica and Ministry, while the OAS's Director of the Department of Economic and Social Development, Dr. Maryse Robert, brought greetings on behalf of the OAS. Dr. Heather Ricketts provided a background and context to the Diploma.

It is expected that UWI and the OAS will continue the partnership in another offering of the Diploma.

## TEACHING AND LEARNING

One major accomplishment in this area was the approval of a restructured BSc. Social Work (Special) degree. The number of credits required for this degree now totals 99, as opposed to the previous 90. Among the new changes are the addition of a Human Behaviour in the Social Environment II course, an extension of Human Behaviour in the Social Environment 1; the inclusion of higher level statistics training as a requirement; the introduction of a Social Work Practice Skills Lab and the introduction of a new course, Social Work in Schools.

## SEMINARS AND WORKSHOPS

The 18th Annual Derek Gordon Seminar was held on Thursday, April 10, 2014 under the theme "Creating Healthy Habitats for Development." For the first time it was hosted in a community, on this occasion the Mona Common community in which the Mona Social Services company is engaged in community development initiatives as part of the expanded UWI Township Project, and the Department's Social Work students are engaged in community building efforts. One member of the community, an Executive member of the Mona Common Development Committee, participated in a Panel Discussion on the theme "Housing: A Process, Not a product."

In April 2014, a symposium titled "Examining the Human Resource-Organisational Productivity Nexus in the National Development Discourse," was hosted by the Human Resource Development (HRD) Unit in the Lecture Theatre I of the Faculty of Law. The presenters were Dr. Charles Douglas (Jamaica Productivity Centre), Dr. Disraeli Hutton (School of Education, UWI, Mona), Mr. Jide Lewis (Bank of Jamaica), Dr. William Lawrence (Mona School of Business and Management, UWI) and Mr. Richard Lumsden (The Planning Institute of Jamaica). The event was streamed live on the internet and is available for viewing on UWI-TV.

## STAFF DEVELOPMENT

On January 18, 2014, the Faculty of Social Sciences, through its Excellence in Teaching Awards, recognized Moji Anderson, Orville Beckford, Heather Ricketts and Denise Simpson for outstanding teaching for the 2012/13 Academic Year. All received overall Lecturer mean scores of at least 4.5 out of a possible 5, for three consecutive academic years.

In April 2014, Mr. Orville Beckford submitted his PhD dissertation entitled "Cultural Studies: The missing dialects: An examination of the UWI Management Studies programme for cultural content and relevance."

In May 2014, the Department celebrated with Marina Ramkissoon, the successful defence of her PhD thesis. Dr. Ramkissoon will graduate in October.

## PAPERS PRESENTED

- **Anderson, M** & MacLeod, E. "Pura Vida? Marginalization of racial diversity in Costa Rica's tourism industry." Society for Applied Anthropology, Albuquerque, USA, March 18-22, 2014 (Oral presentation, 8 pages).
- **Barnett M.** "Rastafari as a distinct Caribbean Ethnic Group and Cultural Producer." Presented paper at the 39th Caribbean Studies Association Conference in Merida, Mexico. May 2014. (10 pages)

- Inniss, A and **Brodie Walker,** S. "A Comparative Study Assessing the Presence of Body Dysmorphic Disorder within a Barbadian and Jamaican University Student Sample." 2nd Annual International Scientific Conference: Dying to Be Beautiful? Body Image, Eating Behaviours and Health in the Caribbean, University of West Indies, Mona; June 29, 2014 oral presentation (86 pages).
- **Burke D.** Disordered Eating Attitudes and Body Dissatisfaction in Jamaican Adolescent Girls'." was accepted for presentation at the 2nd Annual Dying to Be Beautiful Conference Faculty of Medical Science, UWI Mona, June 28, 2014, (12 slides).
- L. H. Ryan, **Govia I.O.** T. A. Antonucci, J.S. Jackson. "Intergenerational Profiles and Individual Outcomes". MacArthur Research Network on an Aging Society triannual meeting, Institute for Social Research, Ann Arbor, MI. June 11, 2014. PowerPoint Presentation (No paper).
- **Govia I.** "Racial/Ethnic Differences in Family Profiles: Findings from the National Survey of American Life Multigenerational Study". Association for Psychological Science 26th Annual Convention, San Francisco, CA. May 23, 2014. PowerPoint Presentation. (No paper).
- **Govia I.** "Migrant Health and ICTs: Lessons from Caribbean Migrations". Invited speaker for webinar hosted by PAHO's Public e-Health, Innovation, and Equity (e-SAC) project on the theme "Beyond Borders: Migration, ICTs, and Health". April 29, 2014. PowerPoint Presentation. (No paper).
- **Govia I.** "Intergenerational Living Arrangements and Well-being in Comparative Perspective". Presentation at 5th Pan-American Congress of Gerontology and Geriatrics, Cartagena, Colombia. March 27, 2014. PowerPoint Presentation. (No paper).
- **Govia I.** & the Program for Research on Black Americans (PRBA) Methods and Analysis Group. "Using Family-Level Data to Answer Questions about the Family: Strategies to Illustrate Advantages over Using Individual and Dyad Data". Presentation at Quantitative Methodology Program Seminar, Population Studies Center, Institute for Social Research. March 19, 2014. PowerPoint Presentation. (No paper).

- **Govia I.** L. H. Ryan, T. A. Antonucci, J. S. Jackson. "Multigenerational Families in the USA". Presentation at MacArthur Research Network on an Aging Society triannual meeting, Stanford University, Palo Alto, CA. February 21, 2014. PowerPoint Presentation. (No paper).
- **Govia I.** "The NSAL Multigenerational Study: Innovations, Challenges, & Opportunities". Program for Research on Black Americans (PRBA) Mini-Conference, Institute for Social Research, Ann Arbor, MI. November 1, 2014. PowerPoint Presentation. (No paper).
- **Govia I.** "An Overview of the National Survey of American Life Three-Generations Dataset". Presentation for the Program for Research on Black Americans (PRBA) Data Users Group, Institute for Social Research, Ann Arbor, MI. October 9, 2014. PowerPoint Presentation (No paper).
- T. A. Antonucci, **Govia I.** J. S. Jackson, L. H. Ryan. "Multigenerational Issues in an Aging Society". Presentation at MacArthur Research Network on an Aging Society triannual meeting, Colombia University, NYC, NY. September 20, 2014. PowerPoint Presentation. (No paper).
- **Latibeaudiere, S**. "Building Alliances to Challenge Domestic Violence." Presentation at the 11th Biennial Caribbean & International Social Work Educators Conference, Curacao, 2013. (22–27).
- **Lipps, G.**, Lowe, G. A., Gibson, R. C., Halliday, S., Morris, A., Clarke, N., & Wilson, R. N. (2013). "Neighbourhood Factors and Depression among Adolescents in Four Caribbean Countries". Presented at the 8th Caribbean Child Research Conference, Kingston, Jamaica, November 6, 2013. Oral Presentation, (14 pages).
- Edwards, D., Chin, M., & **Lipps, G.** "Fathers' Autonomy Support Predicts Low Performing Students' Academic Achievement". Presented at the Association for Psychological Science, San Fransico, California. May 23, 2014. Posters.
- Chin, M., Edwards, D., & **Lipps, G**. "Fathers' Parenting Style Associated With Low Performing Students' Academic Achievement". Presented at the Association for Psychological Science, San Fransico, California. May 24, 2014. Posters

- Smith, D. & **McFarlane. T**, "Heritage-Related Identity, Body Image and Depressive Symptoms among Jamaican Adolescents." Poster presented at the annual Psychology Conference, Department of Sociology, Psychology & Social Work, the University of the West Indies, Mona. March 2014. Poster presentation.
- **McFarlane, T**. "Teaching Garveyism in Schools: A Route to Reducing Jamaica's Social Problems" Paper presented at the Graduate Research Seminar, Department of Sociology, Psychology & Social Work, University of the West Indies, Mona. October 2013. Oral Presentation.
- **McFarlane, T**. "Paths Toward a Clearing: Critical Participatory Action Research (CPAR) in the Study of Heritage-Related Identity in Jamaica." presented at the annual Diversity Challenge, Institute for the Study and Promotion of Race & Culture, Boston College, Boston, MA. October 2013. Poster presentation.
- **McFarlane, T.** "Making the Past Explicit In Our Inquiries of Social Reality: CPAR for Unearthing Meanings and Effects of Race and Ethnicity in Jamaica." Paper presented at the 15th annual Meeting of the International Society for Theoretical Psychology, Santiago, Chile. 2013. Oral Presentation.
- Chin, A. & **McFarlane, T.** "What are you? An Exploration of Biracial & Multiracial Identity in Jamaica." Presented at the biennial National Multicultural Conference and Summit, Houston, TX. 2013. Poster presentation.
- **Mitchell. R**, "The Role of Demographic and Social Factors in the use of Licit Drugs Among University Students from One University in Kingston," Conference title: "Facing an Unequal World: Challenges for Global Sociology," Presented at The XV111th International Sociological Association (I.S.A.) World Congress of Sociology, July 13th to 19th 2014 at the Pacifico Yokohama, Yokohama, Japan. Oral Presentation.
- **Morgan S.** "Identities in a Postcolonial Organization Reimagining, Rethinking, Reshaping: Organizational Scholarship". Presented at Conference titled Unsettled Times, Erasmus University, Rotterdam, Netherlands; July 3–5, 2014. Oral Presentation.

- **Priestley, S.** "Intimate Partner Violence Among Young People in Jamaica: A note for program planners and policy makers". Paper presented at Reproductive Health seminar, UWI, Mona, October 2013. Oral Presentation of 27 pages.
- **Ramkissoon, M.** "From Research Paper to Manuscript". Annual Psychology Conference, Department of Sociology, Psychology and Social Work, UWI Mona. March 6th, 2014. Workshop manual prepared. Oral Presentation of 10 pages.
- Daley, Shashanee and **Ramkissoon, M**. "Academic Procrastination, Academic Motivation and Emotional intelligence among University Students". Annual Psychology Conference, Department of Sociology, Psychology and Social Work, UWI Mona. March 6th, 2014. Poster presentation.
- Marshall, Danya and **Ramkissoon, M.** "Work Motivation and Job Satisfaction in Lecturers in Jamaica". Annual Psychology Conference, Department of Sociology, Psychology and Social Work, UWI Mona. March 6th, 2014. Poster presentation.
- **Shillingford A.** "Exploring Development in Portland Cottage: Results from a Participatory Research Project". Presented at the SALISES sponsored seminar of the Interdisciplinary Cluster on Sustainable Investment, Environment and Development under the theme, Valuing Development (INTERSIED) in Protected Areas: The Goat Island Debate. Mona Visitors Lodge, UWI Mona, April 3, 2014. Oral Presentation of 28 pages.
- **Shillingford A**. and Peta-Anne Baker. "Housing a Process not a Product". Presented by Peta-Anne Baker at the Derek Gordon Research Seminar, under the theme, Creating Healthy Habitats for Development. Mona Common, April 10, 2014. Oral presentation.

### REFEREED CONFERENCE PROCEEDINGS

- **Bailey, A.**, and Ngwenyama, O. (2013). Interrogating the Concept of Strategy as Practice in the Context of Information Technology for Development. Proceedings of the Association for Information Systems

Special Interest Group on Global Development (SIG GlobDev) Sixth Annual Workshop, Milan, Italy, December 14, 2013, (1–15).

## PUBLIC LECTURES AND SEMINARS

- **Barnett M.** Public Lecture given at Florida International University, Miami, Florida, USA, on November 15, 2013.
- **Beckford, O.** "The Sociology of Football: Dribbling between Culture, Community and Identity." Paper presented at International Football Conference, Mona. 2014
- **Beckford. O:** Lectures in CAPE Sociology and CAPE Caribbean Studies – Munro College, Manchester High School and Holland High School CAPE SOCIOLOGY and CAPE CARIBBEAN STUDIES – Presentation at UWI Outreach Fair at Western Campus March 2014.
- **Brodie-Walker S.** "Sexual Knowledge Among Adolescents: What Does my Child Know about Sex?" UWI Bookshop Wellness Day. 2014.
- **Brodie-Walker S.** Ministry of National Security & Labour and the OECS/USAID Juvenile Justice Reform Project. St. John's, Antigua. Model Management Framework for Rehabilitation Centres for Juveniles. 2014.
- **Brodie-Walker S.** "Anger Management." Ministry of National Security. Board of Visitors (BOV), South Camp Juvenile Correctional Facility. 2014.
- **Brodie Walker S.** "Self-Esteem: Motivator or De-Motivator for Behaviour?" 2nd Annual International Scientific Conference: Dying to Be Beautiful? Body Image, Eating Behaviours and Health in the Caribbean. June 28, 2014.
- **Gordon, D.** "Crossing borders, blurring boundaries: comparative meanings of beauty in Jamaica, Brazil and South Africa. Dying to be Beautiful International Symposium, University of the West Indies Mona. June 27–29th, 2014. (14 pages)
- **James C.** "Father Hunger?" "The impact of Father-Daughter relationship

on Eating Recovery." International Association for Eating Disorders Professionals, St. Pete's Bay, Florida. March 2014. (82 slides)

- **Latibeaudiere S.** Training in Participatory Community Development Methods: Enhancing Capacities for Sustainable Development in Guyana (with Mrs Aldene Shillingford). Commissioned by the Caribbean Development Bank and the Basic Needs Trust Fund. 5-Day workshop conducted between November 25 & December 2, 2013 in Guyana.
- **Ricketts H.** "The global context for social protection, and the importance and its relevance of Social Protection in the Caribbean in the context of risks." Panel presentation at PIOJ's Social Protection Project (GOJ/World Bank) Consensus Building Forum, Draft Social Protection Strategy. Montego Bay: Holiday Inn Sunspree Resort, November 15, 2013.

## PUBLICATIONS

### Book Chapters

- **Bailey, A.**, and Ngwenyama, O. "Ethnographic Decision Tree Modelling: An Exploration of Telecentre Usage in the Human Development Context." In *Advances in Research Methods for Information Systems Research*. USA, Springer, 2014, 63–77.
- **Barnett, M.** "Rastafari at the Dawn of the Fifth Epoch." In **Rastafari in the New Millennium: A Rastafari Reader**. Syracuse, NY: Syracuse University Press, 2014, 1–10.
- **Barnett, M.** "From Wareika Hill to Zimbabwe: Exploring the Role of Rastafari in Popularizing Reggae Music." In *Rastafari in the New Millennium: A Rastafari Reader*. Syracuse, NY: Syracuse University Press, 2014, 270–277.
- **Barnett, M.** and Onuora, A. "Rastafari as an Afrocentrically Based Discourse and Spiritual Expression." In *Rastafari in the New Millennium: A Rastafari Reader. Syracuse*, NY: Syracuse University Press, 2014, 159–174.

- Patricia Anderson and **Daley C.** "Parenting across Cultures: Child-rearing, Motherhood and Fatherhood in non-Western Cultures." In *Parenting across Social Classes: Perspectives on Jamaican Fathers.* Ed. By Helaine Selin. The Netherlands: Springer Publications, 2014, 335–348.
- **Gordon, D.** "A beleza abre portas: beauty and the racialized body among black middle class women in Salvador, Brazil." *Feminist Theory* 14, 2 (2013): 203–218.
- **Latibeaudiere, S.** "Auto-ethnography: Building Alliances to Challenge Domestic Violence." In *Social Work & Development: Caribbean Insights*. Ed. By Peta-Anne Baker. Kingston, Jamaica: Pear Tree Press, 2013, 22–27.
- **McLean Cooke, W.** & Groome, C. "Rewriting the Script: Drama and HERstory with the Women of Sistren." In *Social Work & Development: Caribbean Insights*. Ed. By Peta-Anne Baker. Kingston, Jamaica: Pear Tree Press.

**Books**

- **Barnett, M.** *Rastafari in the New Millennium: A Rastafari Reader.* (Editor). Syracuse, NY: Syracuse University Press, 2014. [The republication of a previous (2012) publication in soft cover format]

**Refereed Journal Articles**

- Buckley, J., **Brodie Walker,** S. & Welsh, S. "Perceived parental control and supervision in adolescent Jamaican delinquents and non-delinquents: A Brief Report." *Caribbean Journal of Psychology* 15, 1 (2013): (85–92).
- **Govia I.** "Shades of the past: Experiences of racial discrimination among a sample of university students in Jamaica." *Interamerican Journal of Psychology* 47, 2 (2013): 347–358.
- **Govia I.** and G. Bernal. "Psychology in and for the Caribbean: Assessing where we are and moving forward." *Interamerican Journal of Psychology* 47, 2 (2013): 151–166.

- Bernal G. and **Govia I.** (Eds) "Advancing psychology in the Caribbean: Histories, capacity building, and research." [Special issue] *Interamerican Journal of Psychology* 47, 2 (2013): 151–364.
- Thompson A., G. Bernal, R. Dudley-Grant, **Govia. I.** G. Nicholas, M. Bullock, J. Gauthier. "Regional conferences – A capacity building mandate: report on the CRCP2011 – Building bridges and building a regional structure." *International Journal of Psychology* 48, (2013): 1–12.
- **Govia I.** V. Paisley-Clare. "Studying personality and personality disorders among people in the Caribbean: Advocating for an emic-etic approach." *West Indian Medical Journal* 62, (2013): 423–426.
- **Latibeaudiere, S.** "Building Alliances to Challenge Domestic Violence." *Caribbean Journal of Social Work*, Vol. 10 (2013): 22–27.
- Lowe, G. A., **Lipps, G.**, Gibson, R. C., Halliday, S., Morris, A., Clarke, N. & Wilson, R. (2014). "Neighbourhood Factors and Depression among Adolescents in Four Caribbean Countries." *PLoS ONE*, 9(4) (2014): 1–14.
- **McLean Cooke**, W. & Groome, C. "Rewriting the Script: Drama and HERstory with the Women of Sistren." *Caribbean Journal of Social Work*, Vol. 10 (2013): 97–124.
- **Priestley S.** "The Prevalence and Correlates of Intimate Partner Violence in Jamaica." *Social and Economic Studies* 63, 1 (2014): 153–196.
- MC Lambert, C Lambert, F Hickling, D Mount, E Le Franc, M Samms-Vaughan, **Ramkissoon M.** R Gibson, GT Rowan & A Levitch "Two Decades of Quantitative Research on Jamaican Children and Current Empirical Studies on Caribbean Adult Functioning." *Caribbean Journal of Psychology* 5, 1 (2013): 14–39.
- **Ramkissoon M.** "Examining the Defense Style Questionnaire 88 (DSQ-88) in an employee sample: Items and a two-factor model." *International Journal of Psychology and Psychological Therapy* 14, 2 (2014): 291–299.

- **Ricketts, H.** Grenada and the Human Development Index (HDI): Unmasking the Policy Applicability of the HDI Rank. *Social and Economic Studies*, 62, 3&4 (2013): 155–181.
- **Thomas, O.,** S. Moore and D. Newman. "Mentor-Mentee Dyads: Determinants of Successful Tacit Knowledge Transfers." *Journal of Psychology and Behavioral Science*. Vol. 2, No. 1 (2014): 85–97.

## TECHNICAL REPORTS

- Hayes, N., and **Bailey, A.** Special Issue Editorial – Into the future: themes, insights, and agendas for information and communication technologies for development. Information Technologies & International Development, 10, 2, iii–v. (2014).
- Anderson P, Devonish J, Bailey A and **Daley C.** "Choices, Changes and the Performances of Jamaican Students: An Analysis of Student Enrollment at UWI 1983–2010." presented to the Office of the Principal. (2013).
- Gray, Sherrian and L**atibeaudiere S.** "Jamaica's response to the Protocol on Children in Armed Conflict." Commissioned by Child Development Agency. (2013).
- Shillingford, Aldene and **Latibeaudiere S.** "Training in Participatory Community Development Methods: Enhancing Capacities for Sustainable Development in Guyana." Commissioned by the Caribbean Development Bank and the Basic Needs Trust Fund (2013): 117 pages.
- Devonish, J and **Priestley, S.** Final Report on the Transition of Young Jamaican Women to Adulthood: Results of the baseline study. Paper submitted to the Health Policy Project, USAID, and UNFPA, September 2013. 128 pages.

## INCOME GENERATION

- Summer school activities for the Department for 2014 yielded income of approximately J$2.9m

- The Caribbean Internship Project (CIP), a partnership between the UWI Mona, St. Augustine and Cave Hill campuses, received grants amounting to US $28,000 from the UWI to support internships in 2014. Ten interns from the disciplines of Social Work, Psychology and Education, were deployed to social service agencies in six Caribbean countries. Antigua and Barbuda received an intern for the first time to which the assignment was to serve at the Probation Unit in the Ministry of Social Transformation.

## RESEARCH GRANTS

- **Barnett, M.** (2013) Special Research Initiative Grant publishing a special Issue of the Ideaz Journal focusing on: "Notions of Beauty in Black Communities in the Caribbean."
- **Gordon, D.** Research and Publications grant (2013) to fund collaborative research with the Federal University of Bahia, Brazil.
- Lowe, G. A., **Lipps, G.** & Gibson, R. G. (2013) Principal's New Initiatives Grant. "The Impact of the GSAT on Students', Parents' and Teachers' Depression & Anxiety in Five Caribbean Nations." $1,500,000 JA. 2014 to 2016.
- Cook, L. D., **Lipps, G.** & McClowry, S. Multidisciplinary/Cross Faculty Grant. "An evaluation of the efficacy of INSIGHTS in enhancing academic skills and improving behaviour." $1,500,000 JA. 2014 to 2017.
- **McFarlane, T.** & **M. Ramkissoon** (2013). UWI New Initiative Fund. Project title: "Employer-Employee Engagement: Addressing Stakeholder Interests at The UWI, Mona." Value of Grant: J$1.25M.
- **Ricketts, H.**, A. Henry-Lee, **A. Bailey**, A. Standard-Goldson and A. Gayles-Geddes (2014). UWI Mona New Initiative Grant. Project title: "The Social Determinants of Health in Jamaica." Value of Grant: J$1.5M.

## PUBLIC SERVICE

**Anderson, Moji**

- Steering Committee Member, Colour Pink (NGO serving gay homeless youth), 2014
- Member, Caribbean Partners for Educational Progress' Community of Practice Advisory Committee, 2013–present.

**Bailey, Arlene**

- Secretary, International Federation for Information Processing (IFIP) Working Group 9.4 on the Social Implications of Computers in Developing Countries
- Program Co-Chair, Association for Information Systems Special Interest Group on ICTs and Global Development 2013 Annual Conference
- Member, Board of Directors, ICT4D Jamaica

**Barnett, Michael**

- Coordinated a special cultural event at Haile Selassie High School, (which has come to be known as Founders Day), for the benefit of the students and staff at the school.
- Member, Fund-Raising Board, Haile Selassie High School.
- Coordinator of Special Black History Month event, The Pinnacle Story (The Half That Has Never Been Told) Programme on behalf of the Department of Sociology, Psychology and Social Work, U.W.I. Mona

**Beckford, Orville**

- Member, Eltham High School Board of Management
- Chairman, Academic Committee of Board of Management of Eltham High School
- Member, St Catherine Red Cross

**Brodie-Walker, Stacey**

– Member, University Council of Jamaica – Assist in the monitoring and accreditation of tertiary institutes.

– Member, Ministry of National Security – Board of Visitors (BOV), and DCS' Juvenile Institutions

**Daley, Camille**

– Director – Sickle Cell Support Club of Jamaica

**Gordon, Doreen**

– Member, American Anthropological Association

– Member, Latin American Studies Association

– Collaborative links between the University of the West Indies, Mona and the Federal University of Bahia, Brazil as well as the University of Cape Town and the University of Pretoria in South Africa have been forged.

– Ongoing research on emerging middle classes in Brazil (research trip in June 2013), South Africa (research trip in July–August 2013), and Jamaica (August 2013–January 2014) supported by the UWI Research and Publications Grant and the Study and Travel Grant.

**James, Caryl**

– Associate Editor for *Journal of Psychology in Africa*

– Co-chair, Dying to be Beautiful Symposium 2014

**Latibeaudiere, Sandra**

– Member of the Government of Jamaica/Non Government Organization (GOJ/NGO) delegation at the Commission on the Status of Women held at the United Nations headquarters in New York, March 10–21, 2014

– Member, Woman Inc

– Member of steering committee with responsibility for finalizing the National Action Plan to end Gender-Base Violence in Jamaica, Office of the Prime Minister and Bureau of Women's Affairs, 2013

**McFarlane, Tracy**

– Consultant, Support Group for Teen Moms, Kingston Technical High School

– Barbican Baptist Church Mentoring Network: Established a mentoring programme at Barbican Baptist Church

– Consultant/Assessor, University Council of Jamaica, 2009–present

– Presentation at the Annual General Meeting of the UNIA, entitled 1914–2014 & Beyond: Heritage Identity, Garveyism, & Social Change in Jamaica, March 1, 2014

**Mitchell, Rashalee**

– Member, International Sociological Association.

– Rashalee Mitchell. Board member, Rotary Club of Portmore.

**Morgan, Sophia**

– Conducted Self-Development Workshops for Academic & Support Staff in three Primary Schools as School-based interventions through the Harmony in Rhythm Project.

**Ricketts, Heather**

– Member, Technical Steering Committee, Jamaica Survey of Living Conditions

– Member, Steering Committee, Development of a Social Protection Strategy for Jamaica.

– Member, Caribbean Studies Association; American Sociological Association

**Shillingford, Aldene**

– Regional: Member at large (Jamaica) of the Association of Caribbean Social Work Educators (ACSWE).

– National Member of the Council of the Voluntary Social Services Executive Committee

– Founding and Executive Member the Woodford Community Action Group and the Advisory Committee of Woodford Home-Work and Learning Centre.

– Professional (2013–2014): Professional assistance provided to the UWI's Township Project through supervision of student placements. Included were the following activities.

– Leadership strengthening through training for two community groups from Annotto Bay and August Town. Three (6-hour) workshops were planned, designed and implemented.

– Parenting Training for four Basic School Parents and teachers in the communities of Mona Common, August Town, Gordon Town, Rae Town and Jones Town.

**Simpson, Denise**

– Director and Facilitator, Jamaica Parent School (JAMPAS)

## STUDENTS

1. The MSc. Human Resource Development Prize, 2012/13 – Awarded to: Ms. Janet DeSouza (MSc HRD Cohort XIV) and Mr. Kadeem Gray (MSc HRD Cohort XV).
2. The Gordon Draper Prize in Human Resource Development, 2012/13 – Awarded to: Ms. Althea Middleton.
3. The HRD Alumni Association Award in Human Resource Development, 2012/13 – Awarded to: Ms. Marsha-Gae Wallace of MSc. HRD Cohort XV.
4. The HRD Prize for Leadership, 2012/13 – Awarded to: Mr. Kadeem Gray (MSc. HRD Cohort XV), Mrs. Melva Armstrong (PhD

Organisational Behaviour Cohort II) and Mrs. Elona Grant-Hewitt (PhD Organisational Behaviour Cohort III).

5. The HRD Prize for Consultancy, 2012/13 – Awarded to:

   Ms. Janet DeSouza (The HRD Prize for Consultancy – Performance Management)

   Ms. Camille Lewis (The HRD Prize for Consultancy – Staffing).

   Ms. Dacy-Ann Graham (The HRD Prize for Consultancy – Information Technology).

   Mrs. Mervelyn Harvey-Doughorty (The HRD Prize for Consultancy – Training).

   Ms. Juliet Maxwell (The HRD Prize for Consultancy – Organisational Diagnosis).

   Mrs. D'Adra Williams (The HRD Prize for Consultancy – Compensation).

# MONA SCHOOL OF BUSINESS AND MANAGEMENT

**Prof. Densil A. Williams**, BSc, MSc *UWI*, PhD *Manchester Business School*
**Executive Director**

## WORK OF THE DEPARTMENT/SCHOOL

Mona School of Business and Management had another hectic year of operation as it prepares to achieve the strategic goals as outlined in the strategic plan 2015–2017. An important part of the school's value proposition is to differentiate itself from the other players in the marketplace through research, innovation and the offering of high quality graduate and undergraduate programmes. To this end, the school achieved a major milestone with the re-accreditation of its flagship MBA portfolio by the Association of MBA (AMBA). Further, the members of faculty have also been engaged in a number of scholarly works which have helped to advance our mission and vision. This report lists exemplars from the faculty's output over the academic year 2013–2014, as well as various achievements of our students and staff within the school. The credible performance of the school over the period under review has set the foundation for an even stronger performance in the years ahead.



Back to Table of Contents

## PAPERS PRESENTED – REFEREED CONFERENCES

- **Bewaji, T.**, Burke, B., Eze, EC., Johnson, R., and Borges, L. (2013). "The clash of the titans, US and India". Academy of Business Research (ABR) Conference at the Grand Palladium Hotel, Lucea, November 13–15, 2013.
- **Burke, O**. (2014) "Exploring the relationship between football and culture in Greater August Town", Inaugural Academic Conference on International Football – Ideology, Culture, Politics and Everyday Life, UWI Mona, April 16–17, 2014.
- **Burke, O.** (2014) "The impact of sports on community development in Greater August Town", Athens Institute for Education and Research Conference, Greece, May 19–22, 2014.
- **Chevers, D.A**. and Chevers, J. (2013). "Information technology material weaknesses and its relations to good corporate governance in government and non-government firms in Jamaica". Academy of Business Research (ABR) Conference at the Grand Palladium Hotel, Lucea, November 13–15, 2013.
- **Chevers, D.A.** (2014). The adoption of software process improvement programs in the English-speaking Caribbean. Proceedings at the International Conference on Information Resources Management (Conf-IRM) in Ho Chi Minh City, Vietnam on May 21–23, 2014, Paper 19P.
- **Donalds, C.** & Osei-Bryson, Kweku-Muata (2014). "A cyber-crime taxonomy: Case of the Jamaican jurisdiction". Proceedings at the International Conference on Information Resources Management (Conf-IRM) in Ho Chi Minh City, Vietnam on May 21–23, 2014, Paper 25P.
- **Dunn, H.** and **Brown, A.** (2013). Open business models: The Jamaica music industry and innovation. 2013 Global Congress on IP and the Public Interest, University of Cape Town, Graduate School of Business, South Africa, December 9–13, 2013.

- **Dunn, H.** (2014). "Stuart Hall: The interventionist and organic intellectual". IAMCR 2014 Conference, Hyderabad, India. July 15–19, 2014.
- **Eaton, S.** (2013). "Institutional structure of financial regulation: The case of Jamaica", Academy of Business Research (ABR) Conference at the Grand Palladium Hotel, Lucea, November 13–15, 2013.
- **Huntley, E.** and **Deslandes, D.** (2013). "The impact of perceived local resident attitudes on repeat visitor behaviour". The Academy of Business Research (ABR) Conference at the Grand Palladium Hotel, Lucea, November 13–15, 2013.
- **McLeod, M.T.**, (2013). Conceptualizing service productivity factors within a framework of perceived customer satisfaction. CHMI 2013 Conference in Nassau, the Bahamas, September 18–20, 2013.
- **McLeod, M.T.**, Vaughan, D.R., Edwards, J. and Moital, M. (2013) "Improving inter-business knowledge sharing in the tourism and hospitality industries." 2nd World Research Summit for Tourism and Hospitality: Crossing the Bridge December 15–17, 2013 UCF Rosen College of Hospitality Management, Orlando, Florida, USA.
- **McNaughton, M. L., McLeod, M. T.,** & Boxill, I. (2014). Tourism open data in Jamaica: An actor-network perspective. In 3rd Interdisciplinary Tourism Research Conference. Istanbul, Turkey, June 3–8, 2014.
- Mills A., Tennant V., Mansingh G., and **Rao L.**, (2013). Internet banking: Enablers and inhibitors for developing economies – A study of potential adopters in Jamaica. Proceedings: 19th Americas Conference on Information Systems (AMCIS), Chicago, U.S.A., August 15–17, 2013.
- Mansingh, G. and **Rao, L.** (2014) Enhancing the decision-making process: An ontology-based approach, Proceedings at the International Conference on Information Resources Management (Conf-IRM) in Ho Chi Minh City, Vietnam, May 21–23, 2014, Paper 21P.
- **Robertson-Hickling, H.** (2014) "Taking Jamaica on the world stage:

Lessons from the Reggae Boyz 1998 team", Inaugural Academic Conference on International Football – Ideology, Culture, Politics and Everyday Life, UWI Mona, April 16–17, 2014.

- **Smith, T.** and **Deslandes, D.** (2013) "Disaggregating Jamaica's micro, small and medium firms on challenges faced for better policy development and planning", Allied Academies Conference in San Antonio, Texas, October 9–11, 2013.
- **Smith, T.** (2013) "Testing theory and related factors for influencing proficiency in quantitative research". Allied Academies Conference in San Antonio, Texas, October 9–11, 2013.
- **Smith, T.** (2013). "A comparative analysis of student's proficiency in quantitative research: "Perception vs actual grades", and (2) "The impact of strategic planning on organizational performance in service and manufacturing firms". The Academy of Business Research (ABR) Conference at the Grand Palladium Hotel, Lucea, November 13–15, 2013.
- **Smith, T.** (2014) "Towards a better understanding of strategic planning in service vs. manufacturing firms" at the Sir Arthur Lewis Institute of Social and Economic Studies 15th Annual Conference, Hyatt Regency Hotel, Port-of-Spain, Trinidad and Tobago, April 23–25, 2014.
- **Williams, D.A.** (2014). FDI and economic growth: Evidence from SIDS. Washington Business Research Forum. March 14–15, Embassy Suites, Crystal City, Washington D.C. pp 1–2.

## PUBLICATIONS – REFEREED

- Boumediene, **R., Chevers, D.** & **Williams, D. A.** (2013). "SMEs adoption of enterprise applications: A technology-organization-environment model." *Journal of Small Business and Enterprise Development.* "20, 4, pp 735–753."
- **Chevers, D.** (2014) "Key factors of process maturity in English-speaking Caribbean firms." *Revista de Administracao de Empresas Journal,* "54(3), 322–329."

- **Logan, Twila-Mae** (2014) "Corporate governance in Jamaica: A risk management approach", *International Journal of Business and Management,* "Vol. 9, No. 1."
- **McLeod, M.T.** (2014). "Analysing inter-business knowledge sharing in the tourism sector". In Eds. McLeod MT and Vaughan DR *Knowledge networks and tourism*, Oxon: Routledge.
- Osei-Bryson, Kweku-Muata, Mansingh, Gunjan, **Rao, Lila** (Eds.) "Knowledge management and discovery for development: Domains, strategies and technologies for developing countries", New York, Springer. (Physical book being published – ebook copy available).
- **Williams, D.A.** & Hare, L. (2013) "Competitiveness of small hotels in Jamaica: An exploratory analysis". *Journal of Eastern Caribbean Studies* (2012 back issue). "pp 68–93."
- **Williams, D.A.** (2013) "The enabling business environment and business failure among start-ups: A cross country analysis". *Washington Business Research Journal* 3 (1) "pp 1–13."
- **Williams, D.A.** (2014). "Resources and failure of SME: Another look." *Journal of Developmental Entrepreneurship*. "19 (1) pp 1–15."

**Non-Refereed Publications**

- Dunn, L. and **Dunn, H.** (2013). The Jamaica country report: "Women's rights, gender and ICTs: Empowering household workers in Jamaica", APC in the 2013 Global Information Society Watch (GISW). http://www.giswatch.org/sites/default/files/jamaica_gisw13.pdf
- **Lawrence, W.** (2013). "Manufacturing for efficient import substitution in Jamaica". *The Integrationist – Economic Transformation & Job Creation*. (Edited by Kenneth O. Hall and Myrtle Chuck-A-Sang). "Chapter 14 pp 271–281."
- **McNaughton, M.** (2014) opinion paper titled "Innovation at the periphery – A Caribbean perspective" published on March 11, 2014 on the World Bank Innovation Policy Platform. https://www.



Back to Table of Contents

innovationpolicyplatform.org/content/innovation-periphery-caribbean-perspective/

- **McNaughton,** M. and Innis, S. (2014) "New service development: An imperative for Jamaica's Logistics Hub" for Special Edition of *MSBM Business Review.*
- **McLeod, M.T.** (2014). "A review of tourism and inclusive growth in small island developing states," *Tourism Management Journal*, "42, 332–333."
- **Minto Coy, I**. (2014) "A critical analysis of diasporic engagement for development in the Caribbean" in the edited book on *Diasporas, Governance and Development* by Jonathan Crush, Margaret Walton-Roberts and Abel Chikanda from the International Migration Research Centre, Canada.
- **Rao-Graham, L.** (2014) "Mining data for financial rewards" for Special Edition of *MSBM Business Review.*
- **Williams, D. A.** (2013). "Beyond the grave: Is Manley's economic philosophy relevant to the advancement of contemporary Jamaica?" in Delano Franklyn (ed). *PNP at 75: The Party For the People.* Kingston: Jamaica. Pp 69–89.

## AWARDS & GRANTS

- **Eaton, S.** – Best Paper Award for her paper "Institutional structure of financial regulation" presented at the Academy of Business Research Conference, Montego Bay, November 13–15, 2013.
- Three of our Faculty were recipients of the "Excellence In Teaching Award" presented at the FSS Awards Ceremony on January 16, 2014: **Dr Karen Jones-Graham** (DS&IS Unit), **Mr Michael Roofe** (Finance & Accounting Unit) and **Dr K'adamawe K'nIfe** (MIBES Unit).
- **Chevers, D.** – Financial support (CAN$1,500.00) was approved (from the research funds of MSBM) for joint research project with Professor Gerald Grant (Charleston University, Canada).

- **Logan, T.** – received a Special New Initiative Grant of J$1.5 million for her research project titled "A cost benefit analysis of early interventions in sickle cell disease."
- **McLeod, M.T.** – received a Special New Initiative Grant of J$500,000 for the project entitled "Main factors affecting service productivity of hospitality businesses in Jamaica".
- **Robertson-Hickling, H.** – received a Special New Initiative Grant of J$400,000 for the project, "That Time in Foreign."
- **Williams, D. A.** – UWI/New Initiative Grant of J$1,000,000 to work on book of cases of SMEs in the manufacturing sector in the Caribbean.
- MSBM secured an IDRC Research grant for US$300,000.00 as part of the project "Harnessing open data to achieve development results in LAC". The MSBM's Centre of Excellence for IT-enabled innovations (COE) is the executing unit on the project.
- The MSBM's Office of Social Entrepreneurship (OSE) received funding from Digicel Foundation to support the BRIC urban agriculture programme being implemented through OSE (J$4.9 million).
- National Commercial Bank has approved a proposal for the UWI Mona sponsoring applied research in the area of Corporate Renewal and Transformation. The value of the sponsorship is US$953,000. The work relating to this grant shall be executed by the MSBM and primarily managed by its Professional Services Unit (PSU).

## PUBLIC SERVICE

The following is indicative of the public service activities undertaken by MSBM faculty and staff:

**Mr Maheshwar Boodraj**

– President, Project Management Institute Doctor Bird Chapter (PMI-DBC)



Back to Table of Contents

**Dr Noel Cowell**

– Conducted training of a tripartite mix of trade unionists, senior public servants and representatives of the private sector, in Dominica from January 13–14, 2014.

**Dr Anne Crick**

– Chaired UCJ accreditation review team to Caribbean Graduate School of Theology (CGST)

– Member, Jamaica Customer Service Association Advisory Board

– Board member and JMMB Group Chair, Nominations Committee

– Reviewer for ICHRIE Conference

– Reviewer for *International Journal of Contemporary Hospitality Management*

– Member, Board of Studies, College of Insurance & Professional Studies

**Dr Derrick Deslandes**

– Chaired the Linkage Hub sub-committee on Agriculture

– Member, Tourism Linkage Hub Steering Committee

**Professor Hopeton Dunn**

– Chairman of the Broadcasting Commission of Jamaica

– Member, Board of the Jamaica National Commission for UNESCO

– Member, Editorial Board of the *International Journal Telecommunications Policy*

**Dr Kadamawe Knife**

– YCWJ/UWI Biodiesel Production Initiative Community Training Programme – July–August 2013 – Delivered Entrepreneurship Training and Business Modelling Component

– Training Facilitator – Productivity Empowerment Project Trench Town Entrepreneurship Workshop – July – September 2013

– Chair and Presenter, "Bob Marley the Social Entrepreneur" – Rastafari Studies Conference and General Assembly, August 9–16, 2013.
– Chief Examiner for CXC CAPE in Entrepreneurship (2014–2019)
– Co-host "Diaspora Live Online", a programme on Power 106FM
– Facilitator, Workshop In Social Enterprise Development, Social Development Commission, 2014
– Facilitator, Workshop in Social Enterprise Development, Jamaica National and USAID Social Enterprise Boost Initiative Workshop, 2013
– Facilitator, Workshop in Social Enterprise Development, Agency for Inner City Renewal Programme (AIR) and USAID, Productivity Empowerment Programme, 2013

**Dr William Lawrence**

– Member, Academic Review Committee of the Jamaica Stock Exchange (JSE) e-Learning campus
– Member, Board of Trustees, Small Business Association of Jamaica
– Member, Board of Directors of the McIntosh Bedding Company Limited

**Mrs Vanda Levy-McMillan**

– Member of the Senior Management Team of the Jamaica Netball Association.

**Dr Michelle McLeod**

– Conducted blind reviews for the *Tourism Management and The Service Industries Journal.*

**Dr Maurice McNaughton**

– Member, Board of Heart College of Innovation & Technology (HCIT)
– Member, National ICT Advisory Council

– Member, Logistic Hub ICT Working Group, Ministry of Industry, Investment and Commerce

**Dr Indianna Minto Coy**

– Member, Editorial Board, *Caribbean Journal of Accountability, Transparency and Anti-Corruption Strategies*

– Reviewer for the *Systems Research and Behavioural Science Journal*

– Reader for the second iteration of the *MICO Journal of Education*

**Dr Lawrence Nicholson**

– Chair, Steering Committee for the Poverty Reduction programme III (PRP III).

– Chairman of the Board of Television Jamaica Limited; and Board member Radio Jamaica Limited

– Chairman, Board of Directors, Mona High School

**Dr Lila Rao-Graham**

– Member of the UCJ Accreditation Team to UTech

**Dr Hilary Robertson-Hickling**

– Member, Board of Managers, St Andrew High School

– Member, Board of Managers, Queen's School

**Dr Clive Scott**

– Assessor, A.Sc. in Agricultural Technology at the Montego Bay Community College

**Professor Densil Williams**

– Member, Economic Policy Committee of the Private Sector Organization of Jamaica

– Chairman, Rural Agriculture Development Authority

– Deputy Chairman, Spectrum Management Authority and Chairman of the Audit Committee

– Commissioner, Fair Trading Commission

– Vice Chairman, Project Advisory Board, Collaborate to prosper project, Competitiveness Company/USAID Project

– Board Member – Caribbean Centre for Competitiveness

**Mr. Michael Williams**

– Member, Board of Directors, Kiwanis Club of Liguanea.

## STUDENT ACHIEVEMENTS

- MSBM undergraduate students, Andre Plummer and Christopher Burke (Tourism Management Majors), placed first in the Jamaica Tourist Board (JTB)/Global Travel and Tourism Partnership (GTTP) Case Study Competition.
- Four undergraduate students were among nine UWI students who share a total of $3.5 million in scholarships from Gore Developments Limited for the 2013/2014 academic year. The recipients were: Antoinette Harris, Banking & Finance; Corey Lindner, Management Studies; Shavonique Morrison, Tourism Management; and Oswald Robinson, Accounting.
- Eight MSBM students received special awards at the FSS Awards Ceremony held on January 16, 2014. These awards were given to students of the 2012/13 academic year who attained the highest GPA for their option. Awardees were: Fredreka Thorpe – best overall performance in the BSc. Accounting and best overall performance in the undergraduate programmes (WJC); Richard Edwards – best overall performance in the BSc Human Resource Management (Mona); Jodi-Ann Nelson – best overall performance in the BSc. Marketing (WJC); Jodian Brown – best overall performance in the BSc. Entrepreneurship (Mona); Latoya Chung – best overall performance in the BSc. General (WJC); Diandra Campbell – best overall performance in the BSc. Management Information Systems (WJC); Samara Gabriel – best overall performance in the BSc.

Operations Management (Mona); Rosheda Hall – best overall performance in BSc. Tourism Management (WJC).

- Ms. Sandy Gray, HR major, received a bursary by the HR Management Assoc. of Jamaica (HRMAJ).
- Mrs. Nadine Valentine, a student in the MSc Tourism & Hospitality programme, received a tuition grant of US$2,500 from the Caribbean Tourism Organization (CTO).
- Ms. Sherry Perrier, a final year UWI Department of Economics undergraduate student, was awarded a scholarship by the MSBM, who partnered with the UWI Office of the Vice Chancellor, to sponsor Ms. Perrier's airfare among other travel costs to attend the 17th World Business Dialogue hosted by the University of Cologne conference in Cologne Germany, from March 10–13, 2014.
- On April 6, 2014 MSBM undergraduate student Thristina Harwood was awarded the Prime Minister's National Youth Award for Excellence in the category of Sports.
- DBA candidate, Donald Farquharson, on April 23, 2014 successfully defended his doctoral thesis titled "The impact of ICT investments on firms' productivity in Jamaica's Health Industry." He is the first successful candidate from the programme.
- MBA students Alicia Brown and Ana-Kay Green won the Opportunity Funding Corporation Innovation & Entrepreneurship (OFCIE) business plan competition in Atlanta, Georgia (USA) held April 10–13, 2014. The duo also won awards for best presentation and best business plan.

Back to Table of Contents

# INSTITUTE AND RESEARCH CENTRES

## Mona

Year ending July 31, 2014



Back to Table of Contents

# CARIBBEAN INSTITUTE OF MENTAL HEALTH AND SUBSTANCE ABUSE (CARIMENSA)

**Professor Emeritus Frederick W. Hickling**
**Executive Director**

## INTRODUCTION

The Caribbean Institute of Mental Health and Substance Abuse (CARIMENSA) was established as a Centre within the Faculty of Medical Sciences in February 2006 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.

## 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). 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. Psychotherapy Associates Ltd. has provided office and classroom facilities, administrative and utility support for this fledgling UWI Institute.

## WORK OF THE DEPARTMENT

### Teaching

DM (Psychiatry) Thesis supervision. Comparison of Community Based care against Inpatient Care for Acute Psychosis in First Episode Schizophrenia. Dr Danielle Nelson

### Service/Research

Grand Challenges Canada "Countering youth and urban violence with a community engagement cultural therapy program in Kingston, Jamaica" May 2013.

## PRESENTATIONS MADE AT MEETINGS

- **Frederick W. Hickling.** UWI Medical Conference: Owning Our Madness: A Narrative of Survival, November 5–7, 2013.
- **Frederick W. Hickling**. Caribbean Child Research Conference: Dream-A-World Cultural Therapy 'Scale-up' intervention for school-aged high-risk primary school Jamaican children, November 6–7, 2013
- **Frederick W. Hickling**. Turning the World Upside Down Event-The Dream-A-World Cultural Therapy intervention for promoting resilience in High Risk Primary School Children in Jamaica, November 27, 2013
- **Frederick W. Hickling.** Ena Thomas Memorial – It's not just sex:

addressing challenges, relationships, and sexual needs of young people-November 20, 2013

- **Frederick W. Hickling**. Keynote lecture; The Psychology of Football – A Jamaican Perspective. The Centre for Leadership and Governance and the Institute of Caribbean Studies: Academic Conference on International Football, April 16, 2014
- **Frederick W. Hickling**. Caribbean Public Health Agency (CARPHA), Kingston 2013 "Owning Our Madness –A Narrative of Survival" Aruba, May 3, 2014
- **Frederick W. Hickling.** Global Mental Health Conference: Turning Colonial Psychiatry Inside Out, May 30, 2014.
- **Frederick W. Hickling**. Department of Child Psychiatry. Jewish General Hospital: Healing the Wounds of Slavery: Scale up of the Dream-A-World Cultural therapy model in Jamaica, June 4, 2014.
- **Frederick W. Hickling**. Cote-de-Neiges Black Community Association Inc: Dream A World Cultural Therapy Training Workshop, May 31–June 1, 2014. Presenters: F Hickling Jaswant Guzder & H Robertson-Hickling
- **Frederick W. Hickling**. Grand Challenges Canada/National Institute of Mental Health Global mental health Conference. Theory of Cgange for Countering youth and urban violence with a community engagement cultural therapy program in Kingston Jamaica.Washington, June 11–13, 2014

## MEDIA APPEARANCES

- **Frederick W. Hickling** "Parents Killing children cover story part 1 & 2". Nationwide with Cliff Hugh and Joy Davis February 27, 2013
- **G Walcott** – "Sex and Mental Illness in Men", Irie Fm June 10 2014
- **G Walcott** – Interview on Television Jamaica's program – Profile April 6, 2014



Back to Table of Contents

**Social media (blogs, posts on websites)**


- Turning the World Upside Down Mental Health. *The Dream-A-World Cultural Therapy intervention for promoting resilience in High Risk Primary School Children in Jamaica* http://www.ttwud.org/mentalhealth/entry/dreamaworld-cultural-therapy-intervention-promoting-resilience-high-risk-primary#.U4JRZC_Xog0
- Frederick Hickling TTWUD – *Dream A World Cultural Therapy* November 29, 2013. http://www.slideshare.net/TTWUD/ttwud-dream-a-world-cultural-therapy-frederick-hickling
- Center for Global mental Health. *Jamaican Dream-A-World Cultural Therapy wins TTWUD mental health challenge award* 02 December 2013 http://www.centreforglobalmentalhealth.org/news-events/news/jamaican-dream-world-cultural-therapy-wins-ttwud-mental-health-challenge-award
- CABI Blogs Mental Health – *What can we learn from low and middle income countries?* December 02, 2013. http://cabiblog.typepad.com/hand_picked/2013/12/mental-health-what-can-we-learn-from-low-and-middle-income-countries.html
- Patient and Public Involvement Solutions. *In The Dragons Den Turning The World Upside Down*? By Jane McGrath February 4, 2014 http://www.patientpublicinvolvement.com/in-the-dragons-den-turning-the-world-upside-down-by-jane-mcgrath/
- The Lancet Global Health Blog February 13, 2014. Mental Health Innovation Network. Miss the Turning The World Upside Down mental health competition? https://www.facebook.com/mhinnovation/posts/10152006262508292?stream_ref=10
- Joan Marsh. *Mental health challenge won by Dream-a-World project.* The Lancet Global Health Blog, February 6, 2014
- Jamaica Mental Health Innovation Network Dream-a-World Cultural Therapy for Primary School Children | http://mhinnovation.net/innovation/dream-a-world/

- Video of Professor Hickling's Turn The World Upside Down presentation http://new.livestream.com/accounts/719701/events/2577457
- Video of the dream a world pilot documentary on YouTube: https://www.youtube.com/watch?v=NuaPY0zfFDg

### Newspaper articles

- UWI Mona Now. Using Cultural Therapy to reach at-risk kids. http://www.uwimonanow.com/UWI/Vol4No1/sports_content_1.php?id=326
- Mental Health Innovation Newsletter (January 2014). http://us3.campaign-archive1.com/?u=4ff265012d662decac4dc3737&id=f11a0a7aaf&e=485b321f06

## AWARDS

- Frederick W. Hickling Turning the World Upside Down Mental Health Challenge – Award for winning the challenge with the Dream-A-World Program- October 2013.
- Frederick W. Hickling. Caribbean Public Health Agency (CARPHA), Aruba, May 3, 2014. Honored for outstanding achievement in the area of Psychiatric Research and pioneering work in Community-based Mental health Services.

## PEER REVIEWED JOURNAL PUBLICATIONS

- **Hickling FW**, Gibson RC, Hutchinson G. (2013) Current Research on Transcultural Psychiatry in the Anglophone Caribbean Diaspora – epistemological, public policy and epidemiological challenges. *Transcultural Psychiatry* 2013 Dec;50(6):858–75.
- **Hickling FW.** Rastafari. An African Diaspora national Liberation Movement. *Jamaica Journal*, July 2014. Vol. 35 (1–2): 48–53.



Back to Table of Contents

## INCOME GENERATION

### Income from Projects

**Grand Challenges Canada: Countering youth and urban violence with a community engagement cultural therapy program in Kingston, Jamaica.** October 31, 2013–October 31, 2015. CAD $270,000

### Other Income Generating Activities

- Donations
- Donations from private sector individuals: $600,000

## PUBLIC SERVICE

**Professor Frederick Hickling**

– Member, Committee on Mentoring, American Psychiatric Association Lifers.

– Member, Section on Conflict Management and Resolution, World Psychiatric Association.

– Chairman of Behavior Modification in Schools Task Force; Ministry of Education, JamaicaCaribbean Conference on Domestic Violence Caribbean.

# CONFUCIUS INSTITUTE

**Dr. Courtney A. Hogarth,** PhD *Central Academy of Fine Arts, Beijing, China*
**Director**

## HIGHLIGHT OF ACTIVITIES FOR 2013–2014

The Confucius Institute is a unit within the Department of Modern Languages and Literatures whose primary objective is to promote the learning of Chinese language (Mandarin) and culture among Jamaicans.

There were 27 students registered for Mandarin classes in the Institutes Mandarin community classes. Mandarin classes, administered through the Department of Modern Languages & Literatures were taught by Mrs. Liang Yingping and Mrs. Shen Xiaoyan. The total number of registered, credit students, for both teachers totalled 62 (53 in CHIN1001 and 9 in CHIN2001).

On September 6, 2013, Jamaican Director, Dr. Courtney A. Hogarth, at the invitation of Los Andes University, departed Jamaica for Bogota, Colombia, where he delivered a lecture on Classical Chinese Painting and Traditional Western Painting in Comparison, titled 'Dialogue –

East and West in Images'. He also hosted an exhibition of paintings titled 'Dewdrop', as well as led a workshop on methods and processes in traditional Chinese Calligraphy.

September 19th saw the celebration of our Mid-Autumn Festival. At this celebration we welcomed Professor Archibald McDonald, newly appointed Principal of the Mona Campus.

On September 27, 2013, Professor Lu Shaogang, Chinese Director, and Mrs. Liang Yingping made a presentation at the Caenwood Educational Centre on the Confucius Institute at the University of the West Indies, Mona.

The Confucius Institute Affiliated Classrooms at Ardenne High school and Campion College have been disrupted by the lack of our Chinese Volunteers.

Ms. Giselle Jones, a local teacher trained by Hanban in Beijing, assumed duties at the American International School of Kingston as their Mandarin teacher. (AISK).

Students from Mona Primary came to the CI to be taught a Chinese song for Heritage Week. Professor Lu and Mrs. Liang Yingping also attended the heritage week celebrations in this school on the 17th where they made presentations on Chinese language and culture.

On October 27, the Chinese Director made a presentation to the Chinese Club on "Tea" at the CI classroom.

### NOVEMBER 2013

In November Professor Lu, Ms. Liang and a Chinese exchange student, Mr. Meng Yanyan went to the University of Technology International Language Day where they mounted display, demonstrated Chinese calligraphy and spoke on the Confucius Institute.

Professor Lu and Dr. Hogarth travelled to Hampton High School on 6th November to speak with the students about the Confucius Institute and learning Chinese during their Annual Career's Day. We addressed

the issue of Confucius Institute scholarships to China. Though unplanned, we also paid a visit to Monroe College.

On November 14th, Chinese Ambassador, H.E. Dong Xiaomin, along with Ms. Liu Lei, Director of the economic section of the Chinese Embassy in Kingston visited the Mona Campus of the UWI, where they met with Professor Archibald McDonald, Principal. This meeting was mainly to look at the promised Confucius Institute Building to be built through joint agreement between both governments.

Mrs. Shen Xiaoyan's tenure at the Mona CI came to an end in December 2103 and she returned to Taiyuan.

Professor Lu and Drs. Ramsay & Hogarth attended the Annual General Meeting of the Confucius Institute International in Beijing. During this meeting they met with officials of the Taiyuan University of Technology. It was stressed that there was the need to continue with the annual meeting of the CI Board.

A Chinese teacher, Ms. Lu Xi, was identified for the Affiliated Confucius Classroom at Shortwood Teacher's College in January 2014.

Ms. Liang Yingping, Mandarin teacher at the Confucius Institute returns to Taiyuan in January and Mandarin community classes resumed in the last week of January

February 2014

February marked the official milestone of five years for the UWI Confucius Institute. However, there were no celebrations during this time as the UWI timetable was full.

On February 14–16, Chinese Director, Professor Lu Shaogang, Head of Department, Modern Languages and Literatures, Dr. Paulette Ramsay, and Jamaican Director of the Confucius Institute, Dr. Courtney Hogarth travelled to Miami Dade College to participate in a conference on "Chinese Migration to the Caribbean and Panama". They also participated in celebrations to welcome the new Chinese Year of the Horse.

On February 18, the Institute hosted a delegation from China who came



Back to Table of Contents

on a fact-finding mission to the UWI, Mona, regarding the construction of a Confucius Institute building. We had about three days of meetings to discuss the design, location and function of the proposed building.

**MARCH 2014**

Official celebration of our fifth anniversary with a Chinese Culture Week celebration took place in March 2014. This included:

a) Publication of a Fifth Anniversary Supplement with the Gleaner.

b) Official launch of the 'Chinese Culture Week' (March 3–7, 2014) with UWI officials, members of the diplomatic corps, members of staff, students and visiting guests.

c) Participation of special guest, Mr. Zhang Miaoyan, film maker. He screened two films during the week, '*Black Blood'* and '*Xiaolin Xiaoli'*.

d) Unveiling of the statue of Confucius, followed by reception at the Confucius Institute. The statue was unveiled by Principal, Professor Archibald McDonald and Chinese Ambassador, H.E. Dong Xiaojun.

e) Temple Fair/Lantern Festival staged during the week and attended by the public.

The Confucius Institute participated in Modern Languages Day, as usual, with its own booth, Chinese cuisine, dance, art and craft.

Jamaican Director, Dr. Courtney A. Hogarth mounted a solo exhibition of paintings and drawings titled 'Dewdrop II' at the Olympia Gallery in Kingston. Guest speaker for the event was Prof. Carolyn Cooper. This was well attended and reviewed in the mass media.

In April 2014, the unit started shooting a documentary on the Confucius Institute, commissioned by Hanban, in celebration of the 10th anniversary of the Institute's founding. The Creative Production and Training Centre was contracted to undertake this.

On May 8–10, both directors travelled to Los Angeles to participate in the All-American Chinese Language Conference. Neither director presented at this conference.



Back to Table of Contents

Dr. Courtney A. Hogarth submitted proposal for a new Chinese Culture Course to the department. It was edited during a meeting of the department.

On May 16–17, both directors travelled to the Western Jamaica Campus, Montego Bay, to meet with Dr. Lue Arietta Longsworth regarding the setting up of a Mandarin classroom at that location. The meeting proved quite fruitful. Mr. Liu Jiacheng, a recently arrived Chinese Volunteer was identified to undertake teaching, starting September 2014.

On May 20, Professor Lu Shaogang, Chinese Director, took a team of nine (9) high school principals to China. They travelled to Beijing and Taiyuan City where they engaged in discussions with Chinese educators, visited important cultural sites and got a general impression of China.

Jamaican Director, Dr. Courtney A. Hogarth travelled to Fujian Province, Xiamen, China in July 2014, for a training of foreign directors organized by Hanban. In attendance were directors primarily from North America. We were hosted in Xiamen by Xiamen University who were the main organizers of this event.



Back to Table of Contents

# EARTHQUAKE UNIT

**Professor Simon Mitchell,** BSc *Hull*, PhD*Liverpool*
**Acting Head of Unit**

## INTRODUCTION

The Earthquake Unit (EQU) is a research unit in the Department of Geography and Geology that is funded directly by the Government of Jamaica (GOJ) as the sole agency responsible for the monitoring of earthquakes and research in seismic hazards in Jamaica. The EQU budget is supported by the Government of Jamaica with allocations through the Ministry of Science Technology Energy and Mining (MSTEM). The budgetary allocation to the EQU by the GOJ during this financial year amounted to J$29,995 million. The EQU acts as a Data Centre for the Comprehensive Test Ban Treaty Organization (CTBTO) and contributes data to the upcoming Caribbean Tsunami Warning Network in conjunction with the United States Geological Survey (USGS).



Back to Table of Contents

## WORK OF THE UNIT

Dr Lyndon Brown resigned as Head of the Earthquake Unit (EQU) at the end of November, 2013, and Professor Simon F. Mitchell became Acting Head.

January was a very busy month for the EQU with many initiatives and Earthquake Awareness Week taking place. The Seismic Risk Forum, a conference organized by UNDP and ODPEM at the Jamaica Conference Centre, was held from the 8th to 9th of January, 2014, with the aim to raise awareness among decision makers on seismic risk in Jamaica and to seek commitment to develop a seismic roadmap and action plan for Jamaica. The EQU was involved with the launch of Earthquake Awareness Week on the 13th of January, 2014. The theme this year was "Earthquake Safety: Know your vulnerability to improve your capacity". The EQU presented a report on earthquake activity for 2013 and highlighted the unit's thrust to expand the Jamaica Strong Motion Network. As part of Earthquake Awareness Week, the EQU was also involved with the Portmore Municipal Council in association with ODPEM in a Safe School Forum relating to earthquake risk for principals and teachers of schools in the Portmore community on the 14th of January, 2014. The main objective was to empower school principals and senior teachers by increasing their awareness of earthquake risk and what can be done to mitigate or prepare for these risks.

February saw the EQU manning its exhibit at the annual UWI Research Days, where posters were displayed and brochures were handed out. As usual, great interest was expressed by visitors to the seismic demonstration.

March saw three major activities. The South-South Cooperation Seminar, run from the 12th to 14th of March sought to develop further cooperation in disaster preparedness and management between Argentina and the Caribbean region. During the seminar experiences were shared and the workshop ended with a brainstorming session to see what areas would be best for developing projects and organizing capacity building training between the region and Argentina. Caribe Wave 2014 saw a tsunami simulation exercise organized for Caribbean states. Participants from



Back to Table of Contents

Jamaica included the ODPEM, the Met Office and the EQU. There were two scenarios this year, a submarine slide in the Gulf of Mexico and a magnitude 8.2 earthquake off the Portuguese coast. On the 27th of March, the EQU was invited to the Tourism Emergency Management Committee's workshop at the Knutsford Court Hotel, where a presentation was made and a display was manned. The objective of the workshop was to sensitize and empower committee members and to develop strategies and plans within the tourism sector in preparation of a major earthquake.

On the 28th of June, 2014, the EQU was involved with the annual disaster preparedness activity at the start of the June-November hurricane season at the Portmore Mall as part of the ODPEM Disaster Preparedness Expo.

During the year the EQU in collaboration with the ODPEM sought funding for seismic risk initiatives and institution strengthening for Jamaica. Meetings were held with the Japan International Cooperation Agency (JICA), a Chile-Spain Cooperative Agreement (for technical support) and the World Bank to develop funding initiatives. These discussions are continuing into the next reporting period.

The EQU currently operates the Jamaica Seismograph Network (JSN) which consists of 12 analog short-period seismograph stations installed across the island (Figure 1) and four broadband seismographs. The fourth digital broadband seismograph station was funded from the 2012–2013 budget and arrived in the island from the manufacturer (GURALP) in March 2014. This station was installed at Castle Mountain in Portland.

The EQU is now using Seiscomp3 software for earthquake data analysis solutions which produces preliminary solutions which can provide real-time bulletins to relevant persons/agencies and the media. The solution can be subsequently rechecked by the seismic analyst and a revised bulletin provided (as is done on large networks elsewhere) if necessary. At present this is operating in a testing phase.

There is an ongoing push by the EQU to expand the Jamaican Strong Motion Accelerograph Network across the island. Accelerographs detect



Back to Table of Contents

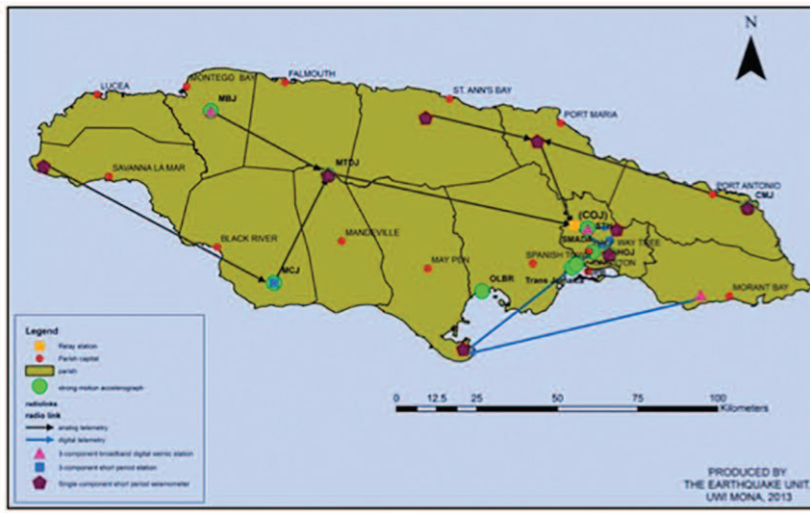



*Figure 1: Locations of seismic stations that form the Jamaica Seismograph Network (JSN).*

ground shaking for larger earthquakes and monitor structures with the aim of improving building design, so as to locate critical facilities in safer areas, and to provide parameters to be used in constructing and retrofitting important structures. Two accelerographs were acquired through a collaborative proposal with the Seismic Research Centre (SRC), St Augustine, Trinidad, to the Caribbean Catastrophe Risk Insurance Facility (CCRIF) and one unit has been installed at the Kingston Container Terminal and one unit on Long Mountain. Six accelerographs were purchased with funds received from the ODPEM and local government in the 2013–2014 reporting period and these are expected to arrive on the island shortly. Two of these units will be placed in the ODPEM headquarters building, two at the Kingston Public Hospital, and two at the Portmore HEART Academy. This will bring the network up to 16 stations. During the upcoming year the EQU hopes to extend this network with equipment being installed in at least five more towns.

The Jamaican GPS network to monitor plate and fault movements has received attention in the reporting period. The United States funded University Consortium (UNAVCO) worked with the EQU with help



Back to Table of Contents

from the JDF Coast Guard and the Port Authority of Jamaica in September 2013 for maintenance of the GPS sites on Morant Cay and San Pedro Cay. At Morant Cay, a faulty communication system was repaired and at San Pedro Cay, the station was made more hurricane and corrosion resistant.

## OUTREACH ACTIVITIES

A total of 22 schools visited the EQU during the 2013–2014 reporting period, with totals of 911 students and 55 teachers. The Seismic Analyst and Education Officer provided presentations to the visitors detailing the operation of the Earthquake Unit and also information on Jamaica's seismic activity and earthquake awareness.

## EARTHQUAKES RECORDED

The JSN recorded a lower number of events (68) for the period from August 2013 to July 2014 than in the previous year (101), which is a drop of 32.7%. There was also a drop in the number of felt events from 13 in 2012–2013 to 8 in 2013–2014 (Table 1).

| Year | Month | Located Events | | Total | Recorded Events | | | | | *Total* | Felt |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Local | Near | located | Local | Near | Regional | Distant | Blasts | *recorded* | Events |
| 2013 | Aug | 4 | 2 | **6** | 4 | 2 | 8 | 0 | 0 | ***14*** | **1** |
| 2013 | Sep | 7 | 4 | **11** | 7 | 4 | 6 | 0 | 0 | ***17*** | **3** |
| 2013 | Oct | 6 | 3 | **9** | 6 | 3 | 6 | 0 | 0 | ***15*** | **2** |
| 2013 | Nov | 4 | 7 | **11** | 4 | 7 | 5 | 0 | 0 | ***16*** | **0** |
| 2013 | Dec | 4 | 2 | **6** | 4 | 2 | 5 | 0 | 1 | ***12*** | **0** |
| 2013 | Jan | 4 | 4 | **8** | 4 | 4 | 4 | 0 | 2 | ***14*** | **0** |
| 2013 | Feb | 4 | 4 | **8** | 4 | 4 | 3 | 0 | 1 | ***12*** | **0** |
| 2013 | Mar | 8 | 7 | **15** | 8 | 7 | 14 | 0 | 0 | ***29*** | **1** |
| 2013 | April | 8 | 3 | **11** | 8 | 3 | 10 | 0 | 0 | ***21*** | **0** |
| 2013 | May | 4 | 1 | **5** | 4 | 1 | 9 | 0 | 2 | ***16*** | **1** |
| 2013 | Jun | 8 | 5 | **13** | 8 | 5 | 7 | 0 | 2 | ***22*** | **0** |
| 2013 | Jul | 7 | 2 | **9** | 7 | 2 | 4 | 0 | 2 | ***15*** | **0** |
| **ALL** | **Totals** | **68** | **44** | **112** | **68** | **44** | **81** | **0** | **10** | ***203*** | **8** |

***Table 1:*** *Events recorded by the Central Recording Station at the EQU from August 2013 to July 2014; of the 68 local events recorded, eight were felt.*

The largest 'cluster' of earthquakes was located to the north-east of Kingston in the south-western Blue Mountains Block/Wagwater Belt,



Back to Table of Contents

which is the main subarea for earthquakes in Jamaica. Earthquakes also occurred along the course of the Cavaliers and Rio Mino fault zones as well as along the Newmarket-Monteplier Belt (Figures 2 & 3). A single felt event was also recorded offshore of the parish of Hanover in western Jamaica (Figure 3).

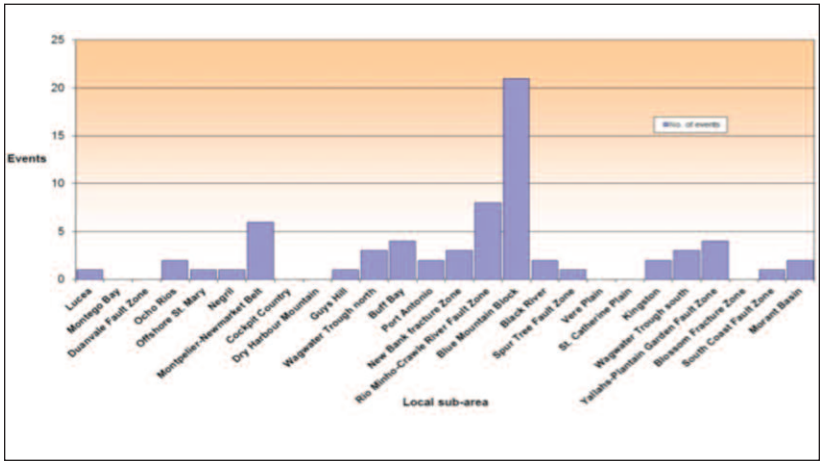



***Figure 2.*** *Breakdown of earthquakes by subregion for the period from August 2013–July 2014.*

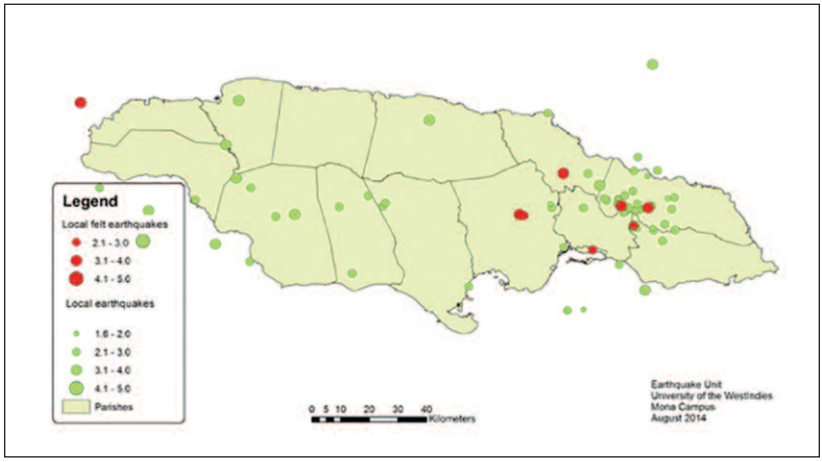



***Figure 3.*** *Earthquakes in Jamaica from August 2013 to July 2014; felt earthquakes shown in red.*



Back to Table of Contents

The total number of event processed by the Jamaica Seismic Network was 203, which included: 68 local events, 44 near events, 81 regional events, and 10 blasts (Table 1).

## PRESENTATIONS

**Simon Mitchell (Professor/Head)**

- (with L. Brown) "Jamaica: the northern Caribbean plate boundary and earthquake risk" Seismic risk forum, a conference organized by UNDP and ODPEM, Jamaica Conference Centre, 8th–9th January 2014, Kingston, Jamaica.
- (with L. Brown) "Research into earthquakes and tsunami, UWI, Jamaica" Seismic risk workshop, ODPEM, 10th January 2014, New Kingston, Jamaica.
- (with L. Brown) "Research and teaching earthquakes and tsunami, UWI Mona, Jamaica" Project Development workshop, CDEMA, January 15, 2014, CDEMA, Bridgetown, Barbados.
- "Jamaica: vulnerability to earthquakes" Earthquake Awareness Workshop, ODPEM and Ministry of Tourism and Entertainment, Thursday, March 27, 2014, Knutsford Court Hotel, Kingston, Jamaica.

**Karlene Black (Education Officer)**

- "Annual Summary of Operations at the Earthquake Unit, University of the West Indies" Earthquake Awareness Week, ODPEM Press Conference/Launch, ODPEM Head Office, Haining Road, Kingston, January 13, 2014.
- "Earthquake Risk: Implications for Portmore School Community" Portmore Municipal Council: Safe Schools Forum, Cumberland Community Centre, Portmore, January 14, 2014.
- "Jamaica's Vulnerability to Seismic Activity" Disaster Management Regional Seminar, South-South Cooperation Seminar, ODPEM Head Office, Haining Road, Kingston, March, 14, 2014.

## TRAINING AND PERSONAL DEVELOPMENT

**Ms. Karleen Black**

- "Training in the Development of Tsunami Flood Charts"SHOA (Servico Hydrographico y Oceanographico de la Armada de Chile), Chilean Navy, 28th July to1st August 2014, Valparaiso, Chile.

**Mr. Paul Williams**

- "Management of metadata and time series data for seismological networks" Incorporated Research Institution for Seismology (IRIS), July 2014, Bogota, Colombia.

**Mr. Paul Coleman**

- "Access and Analysis of IMS Data and IDC Products under EU JA V" Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty (CTBTO) Regional Training Course on NDC Capacity Building, June 23–27, 2014, Bucharest, Romania.
- "Access and Application of IMS Waveform Data and IDC Products" The Preparatory Commission for the Comprehensive Nuclear-Test-Ban Treaty (CTBTO) E-Learning Training Course on NDC Capacity Building – Online.
- "Earthworm for seismic processing" Instrumental Software Technologies Inc. (ISTI), June 1–7, 2014, Saratoga Springs, New York.
- "Management of metadata and time series data for seismological networks" Incorporated Research Institution for Seismology (IRIS), July 2014, Bogota, Colombia.

## COMMUNITY SERVICE

The Earthquake Unit works in close collaboration with ODPEM and the Jamaica Institution of Engineers in disseminating the findings of research. The EQU also provides information/advice that is of national significance to both institutions.

# ELECTRON MICROSCOPY UNIT

**Klaus W. Wolf**, PhD
**Head of Unit**

## WORK OF THE UNIT

The Electron Microscopy Unit was instrumental in assisting various interested persons to benefit from its facilities and services during the 2013/2014 academic year. Researchers on and off the Mona Campus, Graduate – Undergraduate – and High School students received research results, training, exposure and understanding of scanning and transmission electron microscopy, optical microscopy (OM) and macrophotography. The main investigations done and services provided are listed in Table 1.

**Table1.** Main investigations done during the 2013/2014 academic year.

| Specimen | Technique | Institution |
|---|---|---|
| Bacteria | OM | Dept. of Basic Medical Sciences (Biochemistry) |
| Cacao flower | OM | Dept. of Life Sciences |
| Digitizing analog slides | MP | Dept. of Life Sciences |
| Fish Larvae | OM | Dept. of Life Sciences |
| Foraminifera | OM | Dept. of Geography & Geology |
| Frog | MP | Dept. of Life Sciences |
| Grains of minerals | OM | Dept. of Geography & Geology |
| Larvae and adults of insects | MP | Dept. of Life Sciences (2 different students) |
| Orchid Flowers | MP | Private Researcher, off-campus |
| Ostracod samples | OM | Dept. of Geography & Geology |
| Rat knee joint | OM | Dept. of Basic Medical Sciences (Pharmacology) |
| Rock sections | OM | Dept. of Geography & Geology (27 different students) |
| Sections of plant and animal tissue | OM | Mico Teachers College |
| Setting up of optical microscope and advising on imaging system | OM | Dept. of Life Sciences |



Back to Table of Contents

Laboratory sessions were conducted in Electron Microscopy and OM in the graduate course Research Methods "C60M" from the Department of Chemistry and the undergraduate course Virology "Biol3404", which included lectures on negative staining of viruses. Dr. Wolf contributed to the graduate course Research Methods for Biologists "BL60E" from the Department of Life Sciences, the undergraduate course Research Skills and Practices "Biol 2401" from the Department of Life Sciences and the course Forensic Chemistry "FSCI6502" from the Department of Basic Medical Sciences, which all involved lectures and laboratories on Microscopy and Digital imaging. On Research Days, tours through the Electron Microscopy Unit were conducted.

Dr. Wolf was President of the Natural History Society of Jamaica until March 2014 and serves on the executive board of the Society since then.

## RESEARCH IN PROGRESS

Gamete structure and development in insects, using various microscopic techniques.

The collaboration with Protozoologists from the University of Salzburg (Austria) on Ciliates in tank bromeliads and with Zoologists at the University of Leipzig (Germany) on the morphology and development of Jamaican Onychophora (velvet worms) continue.

## REFEREED PUBLICATION

Foissner, W., **Wolf, K.W.**, Kumar, S., Kuidong, X. and Quintela-Alonso, P. (2014). Five new Spathidiids (Ciliophora: Haptoria) from caribbean tank bromeliads. Acta Protozoologica 53:159-194 (http://www.ejournals.eu/Acta-Protozoologica/Tom-53(2014)/Numer-2/art/2768/)

## NON-REFEREED PUBLICATION

De Sena Oliveira, I., Lüter, C., **Wolf, K.W.,** Mayer, G. (2014). On the evolutionary changes in the integument of the Onychophoran Plicatoperipatus

jamaicensis (Peripatidae). Abstract Volume of the 15th Annual Meeting of the Society of Biological Systematics in Dresden (Germany) March 24 – 27, 2014, p 87. (http://www.senckenberg.de/files/content/forschung/abteilung/tierkunde/biodivevo2014_program_and_abstracts.pdf)

# INSTITUTE OF CARIBBEAN STUDIES/REGGAE STUDIES UNIT

**Dr. Donna P. Hope**, BA *UWI*, MPhil, *UWI*,
PhD *George Mason University*
**Director**

## WORK OF THE DEPARTMENT

The key objectives of the Institute of Caribbean Studies/Reggae Studies Unit are to:

- Promote the study of Caribbean Popular and Creative Culture.
- Broaden students' knowledge and understanding of the Caribbean Region.
- Train students in the management of the Entertainment and Cultural Industries.
- Foster students' intellectual development by encouraging critical analysis and independent thought and engage with the wider community through various outreach activities.

During the academic year 2013/14 the ICS/Reggae Studies Unit continued its varying activities to achieve its multiple objectives and fulfil key aspects of its Strategic Plan for the current period.

## STAFF MATTERS

**Ms. Lisa Lewis** and **Ms. Aldria Grant** joined the ICS as Adjunct Lecturers at the Western Jamaica Campus during the academic year.

**Ms. Shamar Lester** joined the ICS as a temporary Clerical Assistant in April 2014.

**Ms. Nicole Edwards** resigned as Administrative Assistant, effective June 6, 2014.

**Dr. Erin MacLeod** accepted the UWI's offer to join the ICS as Lecturer effective August 1, 2014.

The ICS continues to deal with the problematic issues that arise from a small staff complement and the challenges that accompany part-time teaching.

## TEACHING AND LEARNING

Five new courses were developed and finalized to be offered in AY 2014/15 as follows:

1. CLTR1803 – Introduction to the Cultural and Creative Industries
2. CLTR2803 – Cultural and Creative Industries in the Caribbean
3. CLTR3803 – Intellectual Property Management for Cultural and Creative Industries
4. CLTR3903 – Research Methods for Cultural and Creative Industries
5. CLTR3505 – Art of Artist Management

The ICS also developed two new Minors as follows:

(i) Minor in Cultural and Creative Industries; (ii) A cross-Faculty collaborative Minor in Reggae Studies (ICS/Literatures in English/Department of Government/Department of Sociology, Psychology & Social Work).

## CONFERENCES, SEMINARS, RESEARCH AND PUBLICATION & RELATED MATTERS

As a part of its regular outreach activities, the ICS hosted and/or collaborated on the staging of several events during the academic year with the assistance of ICS faculty, staff, graduate students and external entities as follows:-

- The ICS collaborated on the hosting of the second Rastafari Studies Conference from August 13–16, 2013. Activities were hosted at Mona and at the WJC Campus in Montego Bay. Several ICS Graduate students made presentations at the conference.
- The ICS in association with the Department of Government hosted the Annual Walter Rodney Lecture to a capacity audience on Thursday, October 10, 2013 at 5:00 p.m. in the Neville Hall Lecture Theatre. The Lecture was presented by Dr. Jermaine McCalpin, under the title "How Africa Developed Europe: Walter Rodney and the Moral Burden of Reparations."
- The ICS, in collaboration with the British Council, hosted a Workshop titled Cultural Narratives: Product and Performance with Mara Menzies, Storyteller, on Tuesday, November 26, 2013 at 2.30 pm in the Graduate Conference Room. The Workshop was specifically targeted towards students with an interest in cultural products.
- The ICS participated in two days of activity at the Western Jamaica Campus on January 13 & 14, 2014. Ms. Nicole Plummer, Assistant Lecturer and Mr. Hugh Douse, Graduate Awardee, were integral in showcasing the ICS to potential students and other interested parties.
- The ICS collaborated with the Bob Marley Foundation and the Rita Marley Foundation to host the 9th Africa Unite Youth Symposium on Thursday, February 13 from 8.30 am–1 pm in the Multifunctional Room, Main Library, UWI.
- The ICS hosted the 17th Annual Bob Marley Lecture on Thursday, February 13 at 6.30 pm at the Undercroft, UWI to a capacity audience. The Lecture was presented by Ms. Cindy Breakspeare under the title "Beauty and the Beast: A Bridge to the Natural Mystic".

- The ICS collaborated with JAMPRO, JARIA and other stakeholders to host the "State of the Music Symposium" on March 1& 2, 2014 from 12 noon–6 pm each day at JAMPRO, 18 Trafalgar Road, Kingston 10.
- The ICS and the Centre for Research on Latin America and the Caribbean (CERLAC) at York University, Canada hosted the "Voices Across Borders", a Symposium on Youth Experiences with Violence in Jamaica and Canada on Friday, March 7, 2014 from 9.30 am–3 pm in the Multifunctional Room, Main Library.
- The ICS collaborated with the Centre for Leadership and Governance in the Department of Government to host the Inaugural Academic Conference on International Football at the UWI, Mona Campus on April 16 and 17, 2014. The Conference will be a biennial event.
- As a part of the activities to mark Intellectual Property week, the ICS collaborated with the Jamaica Intellectual Property Office (JIPO) to host a seminar on Intellectual Property Management in the Cultural and Creative Industries on Wednesday, April 23, 2014 in the Multifunctional Room of the Main Library. The Seminar featured speakers from JIPO, JAMCOPY, JACAP and the ICS.

## PAPERS PRESENTED

### Robin Clark

- "A Gaza Me Say: Tommy Lee Sparta as "Uncle Demon" at Excelsior Community College's College Week Activities, March 11, 2014.

### Donna P. Hope

- "Exploring Contested Gender Identities in Jamaican Dancehall" at the Auto/Biography Across the Americas Conference 2013 under the theme "Reading Beyond Geographic and Cultural Divides" at the Old Sheraton Hotel, San Juan, Puerto Rico, July 22–25, 2013.
- "New Name?: Conceptualizing the 2nd Wave of Post-Millennial Rastafari Renaissance/Reggae Revival in Jamaican Popular Music" at



Back to Table of Contents

the Rastafari Studies Conference and General Assembly, UWI, Mona Campus, Jamaica, August 13–16, 2013.

- Forging Cultural/Creative Partnerships: The Institute of Caribbean Studies at UWI, Mona and Caribbean InTransit, paper presented at the Caribbean InTransit Roundtable at the Rex Nettleford Arts Conference 2013, Edna Manley College, Kingston, October 16–18, 2013.
- "Watch Out fi Dis: Protection of Caribbean Music – The Case of Jamaican Reggae and Dancehall Music", at the JIPO/WIPO Regional Conference on Intellectual Property and Creative Industries, The Chancellery, UWI, Mona, Kingston, February 10–12, 2014.
- "Kartel's Moral Transgressions: Clash of Values in Jamaican Dancehall Culture" at the UCCI Caribbean Conference 2014 at the University College of the Cayman Islands, March 19–21, 2014.
- "The Kartel Phenomenon: Popular Culture and the Culture of Celebrity in Jamaican Dancehall" at the ICS Seminar Series, UWI, Mona, Friday, April 11, 2014.

**Nicole Plummer**

- (with Steffon Campbell) – "Untold Stories: Using Oral History to Explore the Coral Gardens 'Incident', 1963" at the Oral History Network Conference, Talking about Protest: Oral History Methodology in Social and Political Movements Research, University of Warwick, September 20, 2013.
- (with Steffon Campbell) – "Untold Stories: Using Oral History to Explore the Coral Gardens 'Incident' as a Continuation of the Self Liberating Ethos of the Jamaican People" at the Rastafari Studies Conference, UWI, Mona, August 14, 2013.

**Sonjah Stanley Niaah**

- "Reggae Festivals, Geographies and Economies", at World Trade Organization Value Chains Conference, Vice Chancellery, UWI, Mona, November, 7, 2013.

- 'Putting Music First: Strategising for Sustainable Growth Through Creative Industries in Caribbean SIDS' at the UNECLAC's Third meeting of the Caribbean Development Roundtable, April 23–24, Jamaica Pegasus Hotel.

**Imani Tafari-Ama**

- "Rastafari Political Economy and the Appropriation of Rastafari Iconography" in the ICS Seminar Series on Friday, February 28, 2014.
- "Gender & Rastafari – The Omega Principle – Manifestations, Contradictions and Contestations", Wednesday, May 21, 2014

## PUBLICATIONS

### Peer Reviewed Journal Article

- **Donna P. Hope** "Gimme di Weed: Popular Music Constructions of Jamaican Identity" in *Revista Brasilera do Caribe*, Vol. 13, No. 26, January/June 2013.

## INCOME GENERATION

The ICS continued its income generation thrust with its 2014 summer school offerings. Six (6) courses were offered – CLTR1001, CLTR2018, CLTR2518, CLTR3501, CLTR3507, and FD11A.

## LOCAL AND INTERNATIONAL OUTREACH INITIATIVES

Students in the ICS' Entertainment and Cultural Enterprise Management ("ECEM") degree program, along with several recent graduates, collaborated on the formation of a new entity, The ECEM Society to enhance the activities, networking and interaction among ECEM Majors, Minors and on and off the Mona Campus.

The ICS/RSU has partnered with The Center for World Music at the University of Hildersheim in Germany and the Jamaica Music Museum,

## COURSE REGISTRATION FOR THE ACADEMIC YEAR 2013/2014

| Course Code | Title | # |
|---|---|---|
| CLTR 1001 | Introduction to the Study of Culture (Mona & WJC) | 137 |
| CLTR 2018 | Introduction to Caribbean Folk Philosophy (Mona and WJC) | 30 |
| CLTR 2501 | Caribbean Cultural Studies | 16 |
| CLTR 2505 | Entertainment, Media and Culture (Mona and WJC) | 68 |
| CLTR 2506 | Caribbean Films and their Fictions | 27 |
| CLTR 2518 | The Culture of Rastafari (Mona and WJC) | 45 |
| CLTR 2519 | Deconstructing the Culture of Sports | 44 |
| CLTR 2524 | African Religious Retentions in the Caribbean | 28 |
| CLTR 2605 | Producing Culture: Music Events & Festivals | 34 |
| CLTR 2705 | Music Business Management (Mona and WJC) | 35 |
| CLTR 3501 | Discourses in Cultural Studies | 13 |
| CLTR3505 | African Diaspora Film | 29 |
| CLTR 3507 | Culture, Gender and Sexuality in Jamaican Popular Music | 46 |
| CLTR 3516 | Performing Culture: Dancehall as Ritual and Spectacle | 22 |
| CLTR 3518 | Rastafari in the Global Context | 13 |
| CLTR3605 | ECEM Internship | 22 |
| CLTR3905 | Caribbean Fashion: Theory, Development & Industry | 29 |
| CLTR6030 | Dynamics of Caribbean Culture | 10 |
| FOUN1101 | Caribbean Civilization (Mona only) | 2443 |
| MUSC1100 | Music in World Cultures | 58 |
| MUSC2001 | Popular Musics of the Caribbean | 31 |
| MUSC2007 | Recorded Sound in Jamaican Popular Music | 18 |
| MUSC2200 | A History of Jazz and the Blues | 24 |
| MUSC3002 | Production of Popular Music | 11 |
| MUSC3300 | Bob Marley & His Music | 19 |

and submitted a proposal for funding for a Reggae Music Archive Digitizing Project to the German Embassy.

In line with its developmental and strategic plan activities, the ICS launched its new website on January 15, 2014. The new website was hosted at http://www.mona.uwi.edu/humed/ics/index.php#ics.

### Social Media

The ICS continues to use various forms of social media to advertise and promote its activities to internal and external publics. Ms. Trojean Burrell, Graduate Awardee was charged with responsibility for the ICS Social Media activities including the development and management of the ICS' Facebook and Twitter pages.

## COLLABORATIONS WITH WESTERN JAMAICA CAMPUS

The following six ICS Courses were offered to students at WJC during the academic year 2013/14:-

**Semester 1**

CLTR1001 – Introduction to the Study of Culture

CLTR2518 – The Culture of Rastafari

**Semester 2**

CLTR2018 – Introduction to Caribbean Folk Philosophy

CLTR2501 – Caribbean Cultural Studies

CLTR2505 – Entertainment, Media and Culture

CLTR2705 – Music Business Management

There was one cancellation of CLTR2501 in Semester 2, based on low registration.

As a result of the successful offerings, the ICS has partnered with the WJC to offer two Minors for the upcoming academic year 2014/15 as follows:-

(a) Minor in Entertainment and Cultural Enterprise Management; and

(b) Minor in Cultural Studies.

The two minors will see the addition of five (5) ICS Courses to the current offerings at WJC as follows:-

CLTR2519 – Deconstructing the Culture of Sports

CLTR2605 – Producing Culture: Music Events and Festivals

CLTR3507 – Culture, Gender and Sexuality in Jamaican Popular Music

CLTR3905 – Caribbean Fashion: Theory, Development and Industry

MUSC2001 – Popular Musics of the Caribbean

Ms. Nicole Plummer, Assistant Lecturer in the ICS has been instrumental in supervising and managing the ICS course offerings and other activities at WJC.

## RESEARCH DAYS 2014

Working within the broad theme "Fostering Growth and Development in Small Island Developing States (SIDS) Through Research" the ICS participated in the Research Days' activities by mounting an interactive recording studio booth that provided visitors with the opportunity to record a song. In addition, the booth showcased various artefacts from popular music. The ICS also hosted several open lectures on the Thursday and Friday.

## ICS SEMINAR SERIES

Dr. Imani Tafari Ama coordinated the ICS Seminar series with diverse and stimulating presentations as follows from a range of Graduate Students, Faculty and visiting Researchers as follows:-

| Date | Presenter | Title/Topic |
|---|---|---|
| Sept. 13, 2013 | Dr. Imani Tafari-Ama & Ms. Sharon Hay-Webster | How to Present a Successful Seminar |
| Sept. 20, 2013 | Mr. C. Arthur Newland | Footprints of the Haitian Revolution: The role of Boukman as Cultural Strategist |
| Sept. 27, 2013 | Ms. Shirley Campbell | Transformational Leadership: A Trajectory for Development |
| Oct. 4, 2013 | Ms. Tracian Meikle | A Continuum of Resistance: Expressions of African Heritage in Jamaican Cultural Movements |
| Nov. 1, 2013 | Ms. Andrea Williams | Running African: Revolution in Radio |
| Nov 8, 2013 | Ms. Trojean Burrell | Kingston's Mobile Culture |
| Nov 15, 2013 | Dr. Stanley Griffin | Acksion! Plenty Acksion Now In Town!": The Cultural Significance of Popeshead Street, Antigua. |
| Nov. 22, 2013 | Ms. Maria Hitchins | Dutty Wining in the New Millennium |
| Nov. 29, 2013 | Mr. Miguel Williams | Through the 'Ses" Highly Blessed: Musical Imperatives |
| Jan 31, 2014 | Ms. Kai Barratt | The Redefinition of the Jamette by Female Soca Artistes in Trinidad |
| Feb. 7, 2014 | Dr. Sonjah Stanley Niaah | The Global Reggae Festival Phenomenon: Towards a Research Agenda for Jamaica's Creative Economy |
| Feb. 14, 2014 | Mr. Agostinho Pinnock | Explaining the Methodology: Reviewing the Dancehall Body |
| Feb. 21, 2014 | Mr. O'Neil Lawrence | The Work of Marvin Bartley: Empowerment or Objectification |
| Feb. 28, 2014 | Dr. Imani Tafari Ama | Rastafari Political Economy and the Appropriation of Rastafari Iconography |
| Mar. 7, 2014 | Ms. Joleen Tomlinson | The Dancehall Space: A Zone of Transformation |
| Mar. 14, 2014 | Ms. Meagan Sylvester | Music as Identity: Exploring the Nuances of Politics, Society and Culture in Trinidad and Tobago Through the Lens of Ragga Soca Music |
| Mar. 21, 2014 | Dr. Jalani Niaah | Anti-Systemic Alter/Native Masculinity: Chalice Circle as the Healing of the Nation |
| Mar. 28, 2014 | Ms. Amina Blackwood-Meeks | Storytelling and Me: The Authoethnographic Imperative |
| April 11, 2014 | Dr. Donna P. Hope | The Kartel Phenomenon: Popular Culture and the Culture of Celebrity in Jamaican Dancehall |



Back to Table of Contents

## UNDERGRADUATE STUDENT MATTERS

The James Howard Foundation Prize for the best performance in the ECEM Programme, and the Stuart Hall Prize in Cultural Studies were awarded to Javed Hutchinson and Yunique Francis respectively at the Faculty's Annual Awards Ceremony in November 2013.

## GRADUATE STUDENT MATTERS

**MA in Cultural Studies (Self-Financing)** – The second cohort of eight (8) students in the MA in Cultural Studies finalised their coursework requirements and will now move on to writing their final Research Papers. A few of these students continued to have ongoing financial challenges during the academic year 2013/14.

**MPhil./PhD in Cultural Studies** – The ICS continues to work to manage throughput of its graduate students. Three PhDs and one M.Phil. student have submitted their theses. One PhD student is poised to submit.

**2013/14 Graduate Applications** – The ICS continued it strategic moves to attract graduate students, including promising graduates from the ICS/FHE/UWI's undergraduate programmes. This bore some fruit as the ICS received a record number of just over 30 applicants for the upcoming third cohort of the MA in Cultural Studies (for AY 2014/15). Twenty-six of these applicants were offered places.

One new MPhil. student will commence in the upcoming academic year 2014/15.

# INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES, MONA CAMPUS UNIT

**Leith Dunn**, BA (Hons) MSC *UWI*, PhD *LSE*
**Head of Unit**

## WORK OF THE DEPARTMENT

The IGDS celebrated its 20th Anniversary in 2013–2014 with several activities. Among these was a regional conference held at the UWI St Augustine Campus in October 2013; a regional Exhibition launched at the UWI Regional Headquarters on June 3 2014 and later mounted at the UWI Mona Main Library for the period June–September 30 2014. The Mona Unit also published two Working Papers to celebrate the academic achievement of BSc Gender and Development students and to encourage other students to research, write and publish their work.

Other highlights for the year included the implementation of the Unit's Operational Plan and recommendations of the 2012/2013 Quality Assurance Review team. The period was marked by several achievements,

challenges and changes in implementing its mandate of Teaching and Learning, Research and Innovation and Public Service/Outreach.

## TEACHING AND LEARNING.

**BSc Graduates:** Among the achievements was an increased number of BSc graduates and 29 students completed their degree and will graduate on October 31 2014. Among the graduates, the level of degrees include: one (1) first class honours; 14 upper second; and 13 lower second, and one pass. An increased number of students also completed the Minor in Gender and Development Studies. Ten students from other faculties declared their Minor which is encouraging when compared to the 20 Minors reported up to 2012 in the Quality Assurance Review Report.

**Student Enrolment:** There was a marginal decrease in enrolment in the BSc Gender and Development, with 226 enrolled, compared to 230 in 2012/2013. Total enrolment in 15 undergraduate gender courses offered by the Mona Unit also decreased marginally (1,067 compared to 1,128 in 2012/2013).

**Student Internships:** To enhance teaching and learning and career readiness, the Unit continued to arrange internships for undergraduate students enrolled in the degree programme and others completing gender courses. Three types of internships have been organized:

**Inter-institutional partnerships:** Partnerships with ten (10) agencies enabled 93 students in GEND3032: Gender Climate Change and Disaster Risk Management to be placed to build capacity to mainstream gender in development policies and programmes and enhance career readiness. Partners were: Water Resources Authority, UWI Disaster Risk Reduction Centre, UWI's Institute for Sustainable Development, National Environmental and Planning Agency (NEPA), PANOS, Ministry of Water, Land, Environment and Climate Change, Combined Disabilities Association, Office of Disaster, Preparedness and Emergency Management (ODPEM), Ministry of Agriculture and Fisheries, and ACDI/VOCA.

**Institutional Internships:** Summer Internships were arranged for six (6) BSc students with: the Bureau of Gender Affairs, PANOS, UNFPA and

NEPA. Students gained valuable job experience. They learnt about the gender-related work of these agencies, reviewed policies and programmes and conducted research and completed other work assigned.

Summer Camp Internships. The annual camp at Success Primary and Junior High School in Hanover was not held because of a lack of funding.

## ACADEMIC STAFF

Several part time lecturers were used during 2013-2014 in Semester 1 as the HOD was on SALISES Fellowship Leave from September –December 2013.

Commitments to increase staffing resulted from a Memorandum of Needs previously submitted by the Unit to the Principal. The UWI Mona Appointments Committee approved one additional academic post and subsequently approved the recruitment of two new lecturers. This will increase the number of academic posts from two to four for 2014/2015. A Part time Lecturer was also recruited to deliver the first gender course at the UWI Mona's Western Jamaica Campus in the new AY.

Other Staff: A Temporary Senior Administrative Assistant was appointed in July 2014 for three months following leave approval for the incumbent. Contracts for the Temporary Receptionist, Temporary Research Assistant and Temporary Office Attendant were also renewed.

## STAFF HONOURS AND AWARDS

Dr. Dunn was awarded the 2013 SALISES Fellowship for Semester 1 which enabled her to focus on research, writing and publications and she presented a seminar at SALISES in January 2014 on outputs from the Fellowship. Dr Dunn, Dr Patricia Northover (SALISES) and Dr Lloyd Waller (Government) received the Principal's Award for Best Multidisciplinary Research project for the JA-REEACH Project: Gender and Youth Assessment for Rural Development and Climate Change Adaptation- a



Back to Table of Contents

study commissioned by ACDI/VOCA/ USAID. In July 2014, Dr Dunn also received a Peace Corps award for her contribution to gender training.

## RESEARCH

### Advancing Decent Work for Domestic Workers:

Dr Dunn was commissioned by UN Women and the Ministry of Labour and Social Security (MLSS) to complete an action-research project to support Jamaica's ratification and implementation of ILO Convention 189 Decent Work for Domestic Workers. A Baseline Study on Household Workers in Jamaica was conducted in partnership with Dr Lloyd Waller of the UWI Department of Government. Data collection included a questionnaire survey with household workers in Portland, St Elizabeth, Kingston and St Andrew, and focus group discussions with the Jamaica Employers Federation; Labour Inspectors, and trade unions. A public education forum was organised by the Bureau of Women's Affairs. An advocacy programme was developed in partnership with Women's Media Watch Jamaica, producing a user-friendly C189 brochure, and producing and airing of three public service announcements on national and on-line radio. The Labour Ministry reviewed legislation and recommended amendments to enable Jamaica to ratify Convention 189. The Prime Minister announced that Jamaica would ratify the Convention in March as part of an International Women's Day event organized by the Bureau of Women's Affairs.

### Gender, Sexuality Safety and HIV/AIDS

As a follow-up to the research conducted by the IGDS Mona Unit for the UWI Health Centre's Sexual Safety Initiative Project (SSIP), funded by the Ford Foundation, the Unit secured a small grant from the European Union to share research findings with the four Jamaican high schools in which the research was conducted. The project sought to build awareness of adolescents' sexual safety risks among the students, their parents, as well as their teachers and guidance counselors and to assess needs for follow-up interventions to promote sexual safety and

reduce HIV risk among adolescent boys and girls. Follow-up to Phase 1 also included: presentation of a paper on the study at the IGDS 20th Anniversary conference held at UWI St Augustine campus in October 2013; and discussions with IGDS Cave Hill and St Augustine colleagues to share findings and guide interventions on the three campuses as part of an expanded UWI Sexual Safety Programme.

Dr Dunn and Dr Marshall both continued research for their respective books. Dr Dunn's is entitled "Engendering Caribbean Development" and Dr Marshall's is entitled "Black Sisterhood: Love and Triumph".

## PAPERS PRESENTED

### Major Conferences/Seminars

- **Annecka Marshall.** "Diasporic Dialogue: African Caribbean Young People, Urban Governance and their Rights in Canada and Jamaica". International Conference on African Studies: Institute of African Studies, International Conference on African Studies, "Revisiting the First International Congress of Africanists in a Globalised World". University of Ghana, Legon Campus. October 25, 2013. 41pp
- **Leith Dunn.** "Gender and Human Trafficking". Jamaica Teachers' Association's Annual Conference: Jamaica Grande, Ocho Rios. March 7, 2014 PPT 40pages.
- **Leith Dunn.** "Mainstreaming Gender in Domestic Violence Prevention". Caribbean Conference on Domestic Violence and Gender . Montego Bay Conference Centre. March 26–28, 2014. PPT 39 pages.
- **Leith Dunn.** "Kigali to Kingston: Caribbean Best Practices of Women and Gender Studies": Regional Africa Conference on Women and Gender Studies in the Academy. Centre for Gender Culture and Development at the Kigali Institute for Education, Rwanda: August 23 2013 (via Skype). PPT 68 pages.

## PUBLICATIONS

### Books & Monogrpahs

- "*Youth Voices; Gender, Sexual and Reproductive Health and HIV/AIDS in the Caribbean"*, Ed. By **Leith Dunn**. Kingston: IGDS Working Paper 6, UWI IGDS Mona Unit and UNFPA. 2013. 116 pages.
- "*Gender Climate Change and Disaster Risk Management".* IGDS Working Paper 7. Ed. By **Leith Dunn**. Kingston: IGDS Working Paper 6, UWI IGDS Mona Unit and Friedrich Ebert Stiftung. 2013. 76 pages.

## REFEREED JOURNAL ARTICLES

- **L. L. Dunn** and H. S. Dunn. "Women's Rights Gender and ICTs: Empowering Household Workers in Jamaica". *Global Information Society Watch* (2013): 54–58.
- **L. L. Dunn**, "From Kyoto to the Caribbean: Promoting Gender and Age – Responsive Climate Change Policies in Small Island Developing States: Globalisation, Climate Change and Rural Resilience in the Caribbean". *Commonwealth Secretariat Small States Digest* Issue 2 (2013).

## NON-REFEREED

### Technical Reports

- **Leith Dunn.** "Baseline Study of Household Workers in Jamaica". Prepared for UN Women and the Ministry of Labour and Social Security Project, Advancing Decent Work for Domestic Workers. 2014. 98 pp.
- **Leith Dunn**, Patricia Northover, and Lloyd Waller. Gender and Age Assessment: Mainstreaming Gender and Age Dynamics in Rural Development or Climate Change Impact. Prepared for, ACDI/VOCA/USAID JA REEACH Project (2013. 60 pp.)

- **Leith Dunn**. "Gender Profile of UWI Staff". Prepared for the UWI Mona Gender Task Force, October 2013. 8 pp.
- **Annecka Marshall**. "In the Caribbean, We See Hate Instead". *New York Times*: 31/1/2014.
- Beverly Mullings and **Annecka Marshall.** "Caribbean Youth, Urban Governance and the Right to the City". Prepared for the Canada-Latin American and the Caribbean Research Exchange Grants (LACREG) Programme. 2013. 23pp
- **Kimberly Carr**. "Gender and HIV/AIDS in the Caribbean". In *Youth Voices: Gender, Sexual and Reproductive Health and HIV/AIDS in the Caribbean. IGDS Working Paper 6*. Ed. By Leith Dunn. Kingston: IGDS Mona Unit and UNFPA. 2013. 15–19.
- **Kimberly Carr**. "Rural Women and their Vulnerabilities to Climate Change". In *Gender Climate Change and Disaster Risk Management. IGDS Working Paper 7.* Ed. By Leith Dunn. Kingston. UWI IGDS Mona Unit and Friedrich Ebert Stiftung, 2013. 35–43.
- **Kimberly Carr.** "Gender Must Influence Learning". Guest Columnist. In *Jamaica Gleaner.* Wednesday December 4, 2013. Available at: http://jamaica-gleaner.com/gleaner/20131204/cleisure/cleisure2.html
- **Ann-Marie Virgo.** "Gender Roles Power and HIV/AIDS". In Youth Voices: Gender, Sexual and Reproductive Health and HIV/AIDS in the Caribbean. *IGDS Working Paper 6*. Ed. By Leith Dunn. Kingston: IGDS Mona Unit and UNFPA,. 2013. 47-54
- **Ann-Marie Virgo**. "*Gender Impacts of Droughts"*. Ed. By Leith Dunn. Kingston. UWI IGDS Mona Unit and Friedrich Ebert Stiftung, 2013. 35–43

## INCOME GENERATION

The Unit earned J$51.3 million from 226 students enrolled in the BSc Gender and Development degree programme and revenue from Summer School. Additional income was generated from partnerships with external

institutions to fund research projects, publish and launch the two IGDS Mona Unit Working Papers and cohost public events including a major International Women's Day Exposition held at UWI in March 2014, in partnership with the Women's Resource and Outreach Centre, the Bureau of Gender Affairs and other agencies. The SALISES Fellowship also provided resources to support costs for the Acting HOD for Semester 1.

Staff costs increased by 11% from J$15.5m to J$19.9m partially linked to the recruitment of part-time staff to deliver 15 gender courses, recruitment costs for two new lecturers and additional expenses associated to the Unit assuming the full cost of Support staff which were formerly shared with the IGDS Regional Unit.

Operational costs: Expenditure was lower than the budget allocated (J$707,576.28 of J$923,076 budgeted). This resulted from cost-saving measures implemented by the Unit. In response to the Memorandum of Needs requesting additional posts and office renovation, the Campus approved an estimated J$16m to renovate office space formerly occupied by the IGDS Regional Coordinating Unit which relocated to the UWI Regional Headquarters in April 2013. With support of the UWI Campus a 'smart' 30-seater Seminar Room was established, equipped with multimedia technology to facilitate delivery of dual-mode teaching. Much-needed repairs were also completed to upgrade and paint the office. In February 2014, the new IGDS Mona Seminar Room was commissioned into service and has been in use for tutorials, Summer School courses, Gender Society meetings, seminars and workshops. The Unit plans to maximize its use as part of its Financial Diversification Plan to offer short training courses, seminars and rentals for meetings.

## PUBLIC SERVICE

Staff of the Unit continued to provide public service to many institutions. This continued to include support to mainstream gender in public policies, public education and awareness on gender through guest lectures, seminars, workshops, media interviews, as well as serving on boards and committees.

**Dr. Dunn** served as Commonwealth Observer for Elections in Malawi in May 2014.

**Dr. Dunn** continued as the UWI Mona's Gender Focal Point to integrate gender as part of the Jamaica's National Policy for Gender Equality, with support of Ms. Kimberly Carr as Research Assistant. Mona's experience was shared with colleagues in other IGDS Units as the Institute collaborated to support the development of the UWI's Gender Policy in fulfillment of the commitment in the UWI Strategic Plan 2012–2017.

**Dr. Dunn** was reappointed as a member of the Board of the Foundation for International Training (FIT) in Canada and continued to serve on the Board of Management of the Shortwood Teachers' College. In January 2014, she resigned from the Board of the Consumer Affairs Commission having served as Chair of the Human Resources Sub-Committee and having supported gender mainstreaming in consumer affairs programmes.

**Dr. Marshall** provided technical advice and support to the Caribbean Sexualities Group; the Jamaica AIDS Support for Life (JAS) and the Jamaica Forum for Lesbians, All-Sexuals and Gays (JFLAG).

## STUDENTS

### Prizes Awarded

Ten (10) BSc Gender and Development students received awards for academic performance and leadership at the annual UWI Student Leadership Awards ceremony held in April 2014.

# INSTITUTE FOR GENDER AND DEVELOPMENT STUDIES, REGIONAL COORDINATING UNIT

**Professor Verene A. Shepherd**
**University Director & Regional Coordinator**

## OVERVIEW

The Institute for Gender and Development Studies (IGDS) is an independent, multi- and interdisciplinary Institute of the University of the West Indies and falls outside of the traditional Faculty system. The IGDS consists of a Regional Coordinating Unit (RCU), located in the Regional Headquarters of the UWI, and three Campus-based Units, each with its own Head, located at Cave Hill, Barbados, Mona, Jamaica and St Augustine, Trinidad and Tobago. The IGDS also maintains active links with the Open Campus. Each Campus-based Unit has a Board of Studies chaired by the Unit Head that functions like Faculty Boards. The University Director, based in the RCU, has oversight of the Campus-based Units as the RCU functions as the administrative hub of the regional Institute. A key role of the RCU is to coordinate all regional



Back to Table of Contents

activities of the Campus-based Units, with inclusion of a representative of the Open Campus in all its strategic plans and policies at its annual Regional Planning and Strategy Committee Meetings.

In addition to its administrative duties, the RCU has responsibility for helping to finance the enterprise and does so through collaborative initiatives with its partners, including UNWomen, UNFPA, the IDB and CARIBSAVE. Administering the Graduate Programme at the Mona Campus is also the responsibility of the RCU.

The activities of the RCU for the period under review were governed by the IGDS' Mission Statement, which 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."

Its Vision is to ensure that, "All UWI graduates are committed to social justice and the promotion of gender-responsive human relations and development." Like the wider IGDS, the RCU tried to achieve this Mission and Vision by producing and delivering interdisciplinary and multidisciplinary programmes characterized by excellence in:

- Teaching and learning guided by feminist theories and Gender & 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.

Most of the energies of the RCU during the period under review were directed towards ensuring that the Unit continued to play its critical role in helping to shape several of the key strategic themes and goals of the Institute itself as well as of the wider UWI, falling under the broad themes of: Teaching, Learning & Student Development; Research & Innovation, Public Service and Outreach.

The larger IGDS, led by the RCU, was tasked by the UWI during the year with developing a UWI Gender Policy, which will ensure the



Back to Table of Contents

Institution's compliance with Jamaica's National Policy for Gender Equality and develop best practices for the UWI in the areas of gender equity, equality and parity and eliminate sexism from the practices and processes of the UWI. Work began during the period under review and will continue into 2015.

The rest of this Report highlights the work of the RCU of the IGDS in the critical areas mentioned in this Overview.

The highlight of the year was the celebration of the IGDS' 20th anniversary with all 4 Units collaborating to hold a 20th Anniversary Regional Museum Exhibition. The launch of the exhibition entitled, "The IGDS at 20: Two Decades of Gender and Development Studies" was held on June 3, 2014 at the UWI Museum. It attempted to map the legacy and capture the impact of the IGDS and its work over the last 20 years. It also engaged with its various constituents in an attempt to encourage thinking around issues of Gender and Development. At the end of June, the exhibition was moved to the Main Library of the UWI with the kind assistance of the Mona Campus Unit of the IGDS and the Main Library. The Exhibition will next move to the National Library of Jamaica.

*Profs. Elsa Leo-Rhynie, E. Nigel Harris, Barbara Bailey and Verene Shepherd opening the 20th anniversary exhibition of the IGDS at the UWI Museum, Regional Headquarters*

**TEACHING & LEARNING:**

During the AY, the RCU offered the following Degrees in Gender & Development Studies:

- A Postgraduate Diploma
- An MSc (with a Research Paper or 3-month internship report)
- MPhil and PhD Degrees (in a wide range of related fields)

Eight graduate courses were offered during the period and taught by Prof. Verene Shepherd, Drs. Dalea Bean, Natasha Mortley, Annecka Marshall (from the Mona Campus Unit (MCU)), and adjunct staff Dr. Beverly Shirley. The numbers in the taught Masters programme also remained steady with seven MSc degrees being awarded in the ceremonies in November 2013. The Units' first MPhil graduate, Mrs. Violet Sutherland was also awarded her degree during the graduation exercise.

The RCU also continued its Staff/Graduate Seminar Series. A Graduate symposium was held during the Mona Campus Research Days activities in February 2014 and another on May 2, 2014. Presenters were able to engage with a wide range of research issues and the series provided insight into the research papers or internship programmes for graduate students. An MPhil/PhD seminar was also held on December 5, 2013 with presentations by IGDS graduate students.

The Unit was pleased to award Ms. Georgia Marks-Doman the CARIBSAVE/INTASAVE Partnership scholarship in support of her post graduate studies. The scholarship is valued at US$8,500 and will cover expenses including tuition and research costs. Ms. Marks-Doman, an MSc candidate with the RCU, will be exploring the topic: "The Vulnerability and Adaptive Capacity of Rural Women in Agriculture to the Impact of Climate Change and Climate Variability in Jamaica."

During the period, the Unit was also approached by the family of the late Ezroy Millwood, former president of the National Transport Co-operative Society in Jamaica to offer an MSc scholarship to an incoming student in the RCU. The Unit is still in discussion with the family in relation to the details of the scholarship.

Three MSc Gender and Development Studies students were supported by the RCU to attend the Global Competitiveness Global Value Chains Conference, held at the Jamaica Pegasus Hotel, March 18 and 19, 2014. The RCU regularly tries to assist MSc student's attendance at activities that will help in their graduate development or provide funding to help in the completion of research activities.

## STAFFING

The RCU has a small staff complement. Supporting the various programmes and activities were, in addition to the University Director, and the lecturers already mentioned, Administrative Officer, Mrs. Shakira Maxwell, Junior Research Fellow, Ms. Suzanne Charles, Research Assistant, Mr. Kemal Brown who joined on November 13, 2013, Secretary, Ms. Kadine Marshall, and Office Attendant, Mrs. Margaret Rowe-Hunter.

Ms. Lahoma Thomas also joined the RCU as a visiting PhD student/Weston Fellow from the University of Toronto in January 2014. While in Jamaica she will be conducting research towards her PhD thesis on gender inequality and political violence. The Unit also hosted Prof. Steeve Buckridge as a visiting fellow for the period April 17 to April 30, 2014. Prof. Buckridge is an Associate Professor at Grand Valley State University and a Fellow at the Yale Centre for British Art at Yale University. While in Jamaica he conducted research for his next book project on Lace Bark in Jamaican History.

## RESEARCH

The RCU continued to participate in regional research which affects policy making throughout the Caribbean. Below is a highlight of the major research undertaken during the period.

- A History of the Gibson Relays, which will not only explore the life of Bishop Gibson himself and the evolution and impact of the relay carnival, but undertake a gender analysis of the Relays within the context of gender and sports in Jamaica.

- An IDB funded project entitled, "Adolescent Dislocation in Jamaica: Causes and Costs of Dislocation at the Secondary Level." After final comments were received the final report was submitted on April 30, 2014. A dissemination workshop will follow.
- A Regional Masculinity Project, spearheaded by the RCU is currently in development with funds being sought from several funding agencies. The project, which intends to be a CARICOM wide study, will examine the ways in which the lives of Caribbean men have evolved over the last thirty years.

**OTHER ACTIVITIES:**

- Participated in the Mona Campus Research Days 2014. Dr. Bean served on the Steering Committee. The Unit subsequently mounted a Booth at Research Day with women from the Mount Friendship Agricultural Group, who had played a part in a past research project in the RCU. Activities included; giving away samples of products they had produced and highlighting the important role women play in the agricultural sector in the island. The Unit also participated in the UWI Research Day Opportunity Lounge with Dr. Mortley and Ms. Charles meeting with representatives from UNFPA to discuss possible future research collaborations between the two organizations.
- In collaboration with the Mona Department of Sports and the MCU, the RCU further hosted a panel discussion on Gender and Sports on February 21, 2014 during the Mona Campus Research Day. Panellists for the event included, Verene Shepherd, Leighton Levy, Sports Journalist, Nationwide 90 FM, Juliet Campbell, Athlete, Agent and Olympian and Hubert Lawrence, Sports Commentator. The event was moderated by former Olympian, Grace Jackson.
- Hosted a fundraising event with the National Dance Theatre Company (NDTC) for the Louraine Emmanuel Scholarship fund on August 8, 2013 at the Little Theatre. The successful event saw just under JA$200,000 being raised towards the fund. The first awardee, from the RCU, will be announced by the end of the 2014 calendar year.

## OUTREACH

The RCU engaged in several important outreach activities during the period August 2013–July 2014. These included:

- Collaborating with the Department of Government to continue its "Through Women's Eyes: Conversations on Gender, Politics, and Society" project. The series is meant to present an alternative voice to the primarily male dominated dialogue within the larger society around issues of politics and governance and provide an opportunity for women's voices to be heard. A forum was held on May 15, 2014 and featured, Government Senator, Imani Duncan-Pryce, Opposition Senator, Kamina Johnson-Smith, Hon. D. Gisele Issac-Arrindell, Speaker of the House of Representatives, Antigua and Barbuda and Senator Irene Sandiford-Garner, Barbados, who all spoke on some of the challenges facing women in politics and the possible strategies, such as the implementation of a quota system, which can help to break some of the barriers which hinder their full participation. The event was broadcast Live on Nationwide 90 FM and streamed live on UWITV.
- Operating the Home Work Centre for the benefit of the children of staff and students on the Mona campus. We were delighted to receive a donation of a flat screen TV from members of the Regional Headquarters Christmas Event Planning Committee. The Centre also received additional donations and supplies from members of staff in the RCU during the month.
- Facilitating the press conference for the first CARICOM Reparation Steering Committee meeting. The committee chaired by Prof. Sir Hilary Beckles met on December 9, 2013, and then held a press conference on December 10, 2013 at the Regional Headquarters.
- Re-launching one of the Unit's flagship events, "Groundings with the Brothers & Sisters – Reasoning the Way", as part of the IGDS 20th Anniversary celebrations. The RCU secured one hour sessions on the radio programme "Fun Factory" on the UWI station, Newstalk 92 FM to discuss topical issues on gender relations on the campus.

The first programme was held on August 21, 2013 with Dr. Natasha Mortley being the discussant on Gender Roles on Campus, discussing the topic "Act Like a Lady, Think Like A Man". The next programme was broadcast on Wednesday 16 October, 2013 at 3 pm and addressed issues of skin bleaching in Jamaica. It was hosted by Dr. Christopher Charles, Ms. Rani Sarju and Ms. Suzanne Charles.

The final programme was aired on November 20, 2013 at 3 pm and addressed issues of manhood and masculinity in Jamaica, in commemoration of International Men's Day. The show addressed some of the pertinent issues concerning men in Jamaica and the Caribbean today, including issues of marginalisation, involvement in crime as well as definitions and expressions of masculinity and sexuality. The objective of the show was to help listeners arrive at a constructive definition of manhood that challenges prevailing and destructive stereotypes. Guests included Dr. Leachim Semaj and Mr. Jaevion Nelson.

**WORKSHOPS/PUBLIC PRESENTATIONS**

- "Gender, Human Rights and Education: A Caribbean Perspective" by Ms. Charles on behalf of the RCU via video conferencing to the 14th Session of the Working Group of Experts on People of African Descent, which met at the UN in Geneva, on April 1, 2014.
- Film screening and panel discussion on Gender-Based Violence entitled, "Silent Voices: Can You Hear Me?" on March 6, 2014, at the Regional Headquarters. This was an initiative of an IDGS student, Tamara Nicholson.
- The Caribbean Conference on Domestic Violence held in Montego Bay Jamaica, March 26–28, 2014 was part-sponsored by the IGDS. Prof. Verene Shepherd delivered the opening keynote lecture and Dr. Natasha Mortley moderated a panel discussion.
- Professor Shepherd participated in the authors' speak series hosted by the University of the West Indies Press and was interviewed on her book *Maharani's Misery: Narratives of a Passage from India to the Caribbean* on February 27, 2014 by Dr. Annecka Marshall. The



Back to Table of Contents

video interview was watched by hundreds of viewers around the world.

- The RCU collaborated with the Jamaica History Teacher's Association (JHTA) to host a dissemination workshop on October 11, 2013 to all History teacher's at the Jamaica Pegasus Hotel on the findings from the recently concluded IGDS/UNFPA Caribbean Review of History Textbooks Project. The workshop provided an opportunity to sensitize the island's teachers to the IGDS' findings on gender biases in history texts at the CAPE and CSEC levels and to expose them to strategies to correct these biases in the classroom. The workshop was attended by over 70 teachers from across the island and was facilitated by Mrs. Gloria Bean, Immediate Past President of the JHTA.

## ACADEMIC ACTIVITY – STAFF MEMBERS:

In addition to carrying out their teaching and administrative responsibilities and participating in general IGDS activities (workshops, projects, e.g.), members of staff found time to attend various academic fora at which they made individual presentations. A sample is highlighted below:

## PAPERS / LECTURES PRESENTED

### Dr. Dalea Bean

- (With A. Spencer), "Unpacking Old Directions, Unearthing New Approaches: A Critical Review of Paradigms of Gender Research in Tourism and Hospitality in the Caribbean." IGDS 20th Anniversary Conference on Gender Transformations in the Caribbean November 7–9, 2013, St. Augustine Campus, Trinidad and Tobago. (12 pp)
- "Adopting a Gender Sensitive Approach to the Teaching-Learning Process". Jamaica National Association of Teachers of English AGM. November 1, 2013. (power point presentation)
- "Bridging the 300 Mile Gap: The IGDS Commitment to Gender Capacity Rebuilding in Haiti". Gender and Development Round

table and Panel at SALISES 2013 Conference: 'Rethinking Regionalism and Regional Integration'. Mona, Jamaica, October 8, 2013 (10 pp)

**Ms. Suzanne Charles**

- "Gender, Human Rights and Education. A Caribbean Perspective". Paper presented to the 14th session of the UN Working Group on People of African Descent on April 01, 2014. (16 pp)
- "An Examination of Caribbean Education Systems: Perspective, Prospects and Possibilities." IGDS 20th Anniversary Conference on Gender Transformations in the Caribbean, November 7–9, 2013, St. Augustine Campus, Trinidad and Tobago. (15 pp)

**Mrs. Shakira Maxwell**

- "In the Interest of the Nation?: Examining Reproductive Health Policy in Jamaica since Independence." IGDS 20th Anniversary Conference on Gender Transformations in the Caribbean, November 7–9, 2013, St. Augustine Campus, Trinidad and Tobago. (14 pp)

**Natasha Mortley**

- "Medical Tourism in the OECS". Paper presented at the Global Competitiveness Global Value Chains Conference, March 18 and 19, 2014. Jamaica Pegasus Hotel, Kingston, Jamaica. (42 pp)
- "Progress towards gender equality in political leadership in the Caribbean: The case of local versus central government in Jamaica, 1944–2012". IGDS 20th Anniversary Conference on Gender Transformations in the Caribbean, November 7–9, 2013, St. Augustine Campus, Trinidad and Tobago. (17 pp)

**Professor Verene Shepherd**

- George Lamming Distinguished Lecture, "Reparation, Psychological Rehabilitation & Pedagogical Strategies", Errol Barrow Centre for the Creative Imagination, Cave Hill, Barbados, June 11, 2014. (34 pp).
- "History and Gender Analysis: Implications of Sexism in Schools' Texts" (18 pp) and "Historicizing Gender in the Caribbean." (7 pp)

Papers presented at the Berkshire Women's History Conference, Toronto, Canada, May 22–24, 2014.

- Address, New Providence High School Award's Dinner, May 17, 2014. (16 pp)
- "Pan Africanism and the CARICOM Reparatory Justice Programme." Paper presented at the CBAAC Conference, Mona Visitor's Lodge and Conference Center, April 25, 2014. (14 pp)
- "Gender & Reparation for Slavery & Indentureship: A Research Initiative." Paper presented at UWI-UAG Bordeaux Conference, April 22, 2014. (6 pp)
- "Reparation and the Right to Development: The CARICOM Case" (18 pp) and "Justice for People of African Descent through Mental Liberation: How Historians are Helping" (15 pp). Papers presented at the 14th Session of the Working Group of Experts on People of African Descent, Geneva, March 31 to April 5, 2014.
- "The Historical Roots of Gender-Based/Domestic Violence in the Caribbean." Keynote speech at 2014 Caribbean Conference on Domestic Violence, March 26, 2014. (18 pp)
- "Reparation & the Right to Development: The CARICOM Case." Keynote speech, Puerto Rico, March 20, 2014. (33 pp)
- "Gender and Leadership." Paper presented at Jamaica Public Service Seminar, March 14, 2014. (12 pp)
- "Legacies of the Plantation." Paper presented at Mona High School, March 12, 2014. (7 pp)
- "The Woman's Case for Reparation". Lecture delivered at Whitfield Town Inner-city Community, March 9, 2014. (12 pp)
- "Samuel Sharpe and the making of Modern Jamaica" Keynote speech delivered at Sam Sharpe Teacher's College, February 28, 2014. (23 pp)
- "The Struggle for Black Identity in Postcolonial Jamaica." Lecture delivered at Portmore Community College, February 25, 2014. (21 pp)

- "Bluewashing & Whitewashing: Different Sides of the Same Coin: If we are not Careful." Lecture delivered at UNIA –AC: Mass meeting, Liberty Hall – The Legacy of Marcus Garvey, Kingston, Jamaica, February 2, 2014. (13 pp)
- Presentation made to the General Assembly of the United Nations on the Decade for People of African Descent as Chair of the Working Group of Experts on People of African Descent, New York, November 4, 2013. (6 pp)
- "CARICOM and the Decade for People of African Descent: A Post-Independence Imperative". St. Vincent and the Grenadines, Annual Independence Lecture, October 22, 2013. (27 pp)
- "Jamaica and the Debate over Reparation for Slavery and Native Genocide". Heritage Month Public Lecture, UWI Western Campus, Montego Bay, Jamaica, October 16, 2013. (18 pp)
- "Local Links, Regional Research: The IGDS and its Partners at 20". Gender and Development Roundtable, SALISES 2013 Conference: 'Rethinking Regionalism and Regional Integration'. Mona, Jamaica October 8, 2013 (13 pp)
- "'Enough Done Be Enough!' Women. Enslavement. Emancipation". Paper presented at the 10th Annual Slavery Remembrance Day Memorial Lecture, International Slavery Museum, Liverpool, UK, 22 August, 2013 (23 pp) and Keynote Lecture, Opening of the first CARICOM Reparation Conference, SVG, September 16, 2013. (25 pp)

## PUBLICATIONS

### Refereed Articles & Book Chapters

- **Dr. Dalea Bean** and A. Spencer, "Assessing Gender Depictions in Jamaican Hotels through the lens of Entertainment Coordinators: An application of Butler's theory of Performativity to the study of Creative Industries". *Journal of Eastern Caribbean Studies* (2013): 37 (3/4).
- **Dr. Natasha Mortley**, N. George and J. Jervais (2014). "Case Study:

Medical Tourism in the Organization of Eastern Caribbean States", *Journal Publication*, UWI Press.

- **Verene Shepherd** Afterword – "Walter Rodney's Groundings – 45 years On", New Foreword In *The Groundings with My Brothers,* Walter Rodney Press, LLC, March 2014:63–67.
- **Verene Shepherd**, "Jamaica and the Debate over reparation for Slavery: An overview", In *Emancipation and the Remaking of the British Imperial World*. Ed. By Catherine Hall, Nicholas Draper and Keith McClelland. London: Manchester University Press, 2014.

### INCOME GENERATION

1. IDB funded project entitled, "Adolescent Dislocation in Jamaica: Causes and Costs of Dislocation at the Secondary Level" – US$90,000
2. MSc Self Financing Programme – JM$1.3M
3. Gibson relay Project – US$6,000

### AWARDS & PUBLIC SERVICE

**Dalea Bean**

– Peer Reviewer, *Caribbean Quarterly*

– Research Volunteer: 51% Coalition

**Shakira Maxwell**

– Member, Development Alternatives with Women For a New Era (DAWN) Caribbean. Kingston

– Member, Jamaica Women's Political Caucus

– Member, Working Group on Women's Reproductive Health and Rights. DAWN Caribbean. Kingston, Jamaica.

**Natasha Mortley**

– Member, Global Development Network

– Member, Jamaica Diaspora Connect

**Verene Shepherd**

- Awarded the Order of Distinction in the rank of Commander (CD) by the Government of Jamaica for outstanding service to Education in particular History education and Gender Studies.
- Elected one of three vice-chairs of the CARICOM Reparation Commission, chaired by Professor Sir Hilary Beckles, PVC and Principal of the Cave Hill Campus.
- Chair, United Nation's Working Group of Experts on People of African Descent (WGPAD) (up to April 2013)
- Member, Jamaica Chapter, International Women's Forum
- Chair, National Commission on Reparation (Jamaica)
- Editorial Board, *Caribbean Quarterly, Jamaica Journal, Journal of Caribbean History, Slavery and Abolition, Atlantic Studies*
- Host of "Talking History" on Nationwide 90FM.

## CONCLUSION

The RCU continues to maintain a steady level of student intake, improve its throughput rate and participate in several public service and outreach activities. It is also continuing to forge regional and international links and is a leader in the area of Gender and Development across the globe. In the coming year, as it seeks to spearhead the process of crafting and implementing the UWI Gender Policy, it will provide an invaluable service to the institution and region.

# INTERNATIONAL CENTRE FOR ENVIRONMENTAL AND NUCLEAR SCIENCES (ICENS)

**Richard Annells**, BSc, PhD *St. Andrews*, FIMMM, CEng
**Director General**

There were no staff changes during the year. ICENS continued its science and technology projects in line with the guidelines set out by the ICENS Board of Directors and the Ministry of Science, Technology, Energy and Mining.

## STRATEGIC PLANNING

The ICENS Research Reactor Laboratory continues to build on its success in the WEPAL programme reported in UWI Mona News last year. The March 2014 Newsletter of the IAEA Division of Nuclear Fuel Cycle and Waste Technology (Volume 10, Number 1) reported that the strategic plan of the ICENS Reactor Laboratory topped the list of 31 strategic plans for effective utilization of research reactors (RRs) evaluated

in a 2013 review by a group of international experts. The plans were submitted by different laboratory managers around the world.

## WORK OF THE DEPARTMENT

Using geochemical data for two main purposes: 1) to trace environmental transfer of trace elements from soils to people; and 2) to explore for minerals.

ICENS research continued to focus on the fate of trace inorganic elements in the biosphere (in the chain **bedrock ▸ soil ▸ food ▸ humans**). Over 50 elements were routinely determined, using NAA, EDXRF, TXRF, ICP-OES, AAS and ion chromatography, the technique used depending on the type of sample medium analysed.

Work began on correlating the geochemical data obtained from rock and soil samples with the new bedrock geological map of Jamaica in order to interpret the likely underlying controls on anomalies and alteration haloes likely to help detect mineral occurrences associated with Cretaceous volcanic rocks and related intrusions. Copper sulphides and gold occur naturally in the Cretaceous volcanics of the oldest geological units in Jamaica and some copper, gold, lead and zinc in the Palaeogene volcanics and their lateral extensions in the Blue Mountains.

Two key items of ICENS laboratory equipment, the outdated graphite furnace-atomic absorption spectroscope and flame atomic absorption spectroscope (GF-AAS), were replaced after some years of malfunctioning. The IAEA supplied a new liquid nitrogen plant, an important item which supports the day to day gamma spectroscopy work of the NAA laboratory. The new thermoluminescence dosimetry (TLD) system donated by the IAEA was commissioned and staff trained in its use. Continued GOJ budgetary shortfalls made it impossible to replace utility items such as field vehicles and ICENS continued to look for other sources of funding. ICENS has continued to engage the local private sector to assist with the purchase of analytical equipment to realise cost savings from the services provided locally at ICENS. At the invitation of the IAEA however ICENS submitted a request for a long overdue



Back to Table of Contents

upgrade of its chemical and mineralogical laboratory equipment which will be implemented in step with the conversion of the Slowpoke research reactor core scheduled for 2015. With these upgrades and the support of the IAEA the Centre can now become a first class analytical laboratory hub able to enhance the work of national and regional research programmes.

## TRACE ELEMENT SPECIATION IN SOILS

The anomalous concentrations of cadmium and other potentially toxic metals (typically orders of magnitude above world averages) in soils overlying Miocene age White Limestone Supergroup are of particular concern to human and ecosystem health at the local spatial scale. However, when assessing the bioavailability and risks associated with metal contaminated soils, it's now generally accepted that the chemical speciation (partitioning of an element into different chemical forms) is more important than total content. As a result, a primary focus of recent and future work is to quantify and understand medium- to long-term changes in the bioavailability of a suite of risk elements in soils using a variety of strategies. These include (i) the chemical separation and analysis of the operationally defined metal fractions, (ii) isotope dilution mass spectrometry (IDMS) — considered by some geochemists as the 'gold standard' of defining bioavailability, and (iii) molecular-level studies focusing on metal-mineral and metal-ligand interactions. Critically, we are keen to study the dissolved organic matter (DOM) metal interactions using passive sampling devices as a means of providing a more representative overview of a particular environment. This knowledge may then be used to enhance trace metal remediation strategies which are currently underway. Allied to this, we have applied stable cadmium isotope ratio analysis and other geochemical techniques with the view of determining the provenance of the anomalous cadmium concentrations in local soils. Much of the success of current and future studies are based on strong collaborative support from the British Geological Survey, UK; Chongqing Institute of Green and Intelligent Technologies, China; and the Institute of Earth Sciences, Academia Sinica, Taiwan.

## DESK STUDIES/REVIEWS

### Reactor Safety Analysis

As part of the safety analysis for the upcoming SLOWPOKE core conversion computer modelling of the thermal hydraulics and neutronics was completed for the present Highly Enriched Uranium (HEU) core and the proposed Low Enriched Uranium (LEU) core. Modelling was performed using the Monte Carlo N-Particle Transport Code (MCNP5), in a three-dimensional Cartesian coordinate system, using data from engineering drawings of the reactor components. Calculations were performed on the super computer cluster at the Argonne National Laboratory in the USA. The modelled results confirmed that the new core will have superior safety and performance characteristics.

### Geochemical analysis of foodstuffs: a Jamaican national database on the chemistry of foodstuffs

Analytical work during 2013-2014 continued to concentrate on vegetables, fruit, grains and fish; and numerous samples of Jamaican foods such as callaloo, sweet potato, cocoa, ackee and lion fish were analysed for calcium, potassium, magnesium, sodium, phosphorus, aluminium, boron, cadmium, cobalt, chromium, copper, iron, manganese, molybdenum, nickel, lead, strontium, and zinc. ICENS continued to search for new ways to grow export-quality yams low in potentially toxic elements as a short-term venture aimed at helping Jamaican farmers to grow such produce without having to change field practice. Compilation of a Jamaican national database of food compositions continued, using the data for Jamaican farmed and processed foodstuffs with the ultimate aim of providing:

- Food composition tables setting out major and trace element contents to support nutrition and diet prescriptions and regulations as to elemental contents.
- Better understanding of how food plants and animals take up elements from soil, as a means to guide land use planning.

- Indications of the effects of elemental interactions on plant uptakes.
- Ways to ensure food quality, security and compliance with relevant international food standards.

The database, which ICENS used to carry out the gap analysis mentioned above, will be structured into sections on root vegetables, leafy vegetables, grains, fruits, meats, seafood and processed or packaged foods and contains results of an estimated 1,100 analyses for up to 35 inorganic elements. It will eventually be made available for online reference by researchers through the ICENS web site.

### The chemistry of human tissues

ICENS work on the elemental content of human tissues concentrated on blood, urine and placenta samples building up background information on the trace element concentrations in human tissue in order to allow comparisons between healthy and diseased persons, using Total Reflection X-ray Fluorescence analysis (TXRF) on blood samples collected from blood donors.

### Rare earth elements

ICENS continued to analyse for eleven rare earth elements (REE) in all soil samples collected and began a study of the provenance of the REE present in Jamaican bauxites and other rocks. It also proposed to funding agencies a new project to stimulate a small-scale Jamaican industry for recovering and exporting REE-bearing components separated from end-of-life electronic items such as mobile phones, computers and television sets. It is now widely recognised that such waste items are richer, more accessible and easier to refine than many naturally occurring REE ores: as already proven in Brazil, Mexico and Taiwan, their export could be profitable at SME scale.

### Data Sharing

Data sharing has been promoted by ICENS for many years because ready access to existing information held by most Jamaican S&T

institutions continues to be hard to achieve. Acquiring samples and data is expensive and curation that is critical for sustaining the integrity of this important national endowment of data and information resources. The ICENS EShare data repository system was developed with this goal in mind and offers advanced indexing that allows the retrieval, re-examination and re-interpretation of geo-referenced samples and in its store.

**Nuclear Power**

ICENS knowledge of nuclear energy continued to be relevant to analysis of the Jamaican energy situation. Nuclear power is a huge global industry supplying 15% of world electricity demand, with some countries (e.g. France) obtaining over 75% of their power from nuclear sources. While shale oil and natural gas derived from fracking is becoming competitive in countries such as the United States, it is not available in Jamaica and nuclear power continues to compete with coal in price. The price gap in favour for nuclear power is likely to increase over time with regulatory pressures to reduce emissions of carbon dioxide.

Until recently the size and costs of nuclear power reactors made nuclear energy impractical for smaller countries but a new generation of safe, small, high efficiency reactors, the so called Small Modular Reactors (SMRs), producing between 10 MW and 300 MW of electricity, are now being seriously investigated. The unfortunate 2011 events in Fukushima however, have once again brought the use of nuclear power into question, almost putting a halt to the "nuclear renaissance". The incredible energy density of nuclear fission (I kg of uranium produces 400 000 kWh while 1 kg of oil produces only 4 kWh) and near zero greenhouse gas emissions, however, will continue to make this an option worthy of consideration. In this connection ICENS continues to take part in local and regional IAEA initiatives to support the rational considerations of nuclear energy in the region and will continue to monitor the development of the SMR's.

ICENS continued to progress the documentation contract work required by the US DOE to comply with conditions for the reactor core conversion.



Back to Table of Contents

It also drafted a country specific Integrated Nuclear Security Support Plan (INSSP) for use by the new Jamaican radiation safety Authority within the Bureau of Standards Jamaica (BSJ) as an integral part of discussions between the IAEA Office of Nuclear Security and stakeholders of the newly formed regulatory body.

## PROJECTS

### Open system architecture for Neutron Activation Analysis (OpenNAA)

ICENS continued to contribute to the IAEA coordinated research programme (CRP) on Development of an Integrated Approach to Routine Automation of Neutron Activation Analysis, with the development of OpenNAA, a modern open system architecture for NAA that facilitates the easy combination of data acquisition, sample changers, and data processing sub systems, to produce one tailor made system. To date an architectural framework specification has been developed along with a reference implementation, and standardized protocols for data acquisition, spectrum analysis, uncertainty estimates, and data management.

The development of OpenNAA was presented at the 2nd Research Coordination Meeting of the project which was held at the IAEA headquarters in Vienna, Austria in December 2013. The other members of the CRP from Algeria, Bangladesh, Brazil, Chile, China, Indonesia, Malaysia, Peru, EGYPT, MOROCCO, PERU, Russia, Slovenia, Syria, Australia, Canada, U.S.A., and The Netherlands, endorsed the efforts and a sub-group of institutes from Peru, Australia, Morocco and Jamaica was formed to further the development. This group is headed by John Preston.

### Mineral exploration

As part of the new National Minerals Plan planned by the Ministry of Science, Technology, Energy and Mining, ICENS completed compilation of the new geological map of Jamaica in collaboration with Mines and Geology Division, and The UWI Geography and Geology Department . Compilations of separate overlays of metallic and non-metallic mineral

occurrence data were almost complete by the end of the year. Both compilations are designed for online reference by researchers and potential international investors in the country's mineral industry.

### Import substitution and new materials

ICENS obtained funding from MSTEM to start the NEWMAT-1 proof of concept project designed to demonstrate the suitability of mixtures of mineral waste materials from quarries, outcrops, red mud deposits and construction sites for durable but low-cost road repairs and service trench fills in Jamaica. By the end of the year visiting expert Professor Peter Claisse (Coventry University, UK) had tested over 60 mixes at laboratory scale combinations, one of which, a mix of bauxite process waste, terra rossa soil, gypsum waste and lime had developed strength sufficient for patching road potholes.

During the year ICENS continued its search for funds to support two other research projects for developing new materials from Jamaican agricultural and industrial wastes in order to substitute imports and create new local job opportunities for Jamaican SMEs and small urban or rural communities. One project aims to develop environmentally friendly materials for packaging and food containers from banana plant waste as a means of substituting polystyrene which harms the Jamaican environment and is produced from expensive petroleum imports. The other project, already mentioned above, plans to devise a methodology to enable local SMEs or community groups to carry out the initial concentration of REE-bearing components from end-of-life electronic waste goods (e-waste) in order to make an exportable 'urban ore' material.

### Public understanding of science and transfer of technology from ICENS to the wider community

Jamaica shows little realisation that science can work to solve day to day societal problems, possibly because most of the essential household products, consumer goods or technologies it uses, are imported readymade. ICENS strives to do research that is useful and relevant to the practical



Back to Table of Contents

needs and protection of Jamaicans and which also demonstrates the important contribution that science can make to building a safe, sustainable and prosperous future. All countries with successful economies accept that R&D is a key capital investment in their future wealth and wellbeing and many have boosted their investment in R&D in order to power out of the financial recession.

Modest research projects such as those proposed by ICENS are designed to apply science to initiate useful locally-based SME or community scale enterprises in order to create new jobs and income and to substitute imports in order to bring ordinary Jamaicans more benefits in the long run than foreign-funded megaprojects or services. Events such as UWI Research Days could do more to attract potential sponsor groups such as business and political leaders, diplomats, funding agencies, international and local NGOs, investors, or research collaborators from the medical and scientific communities. ICENS already receives many visits each year from sixth form and tertiary students, some of whom will enter the next generation of career scientists. However Jamaica needs to make a realistic road map and needs study in order to define a critical path and resources for future science teaching in schools and the induction of young Jamaicans into careers in chemistry, physics, mathematics and engineering.

### Humanitarian Approach to Nuclear Weapons and the Prospects for a Ban

The International Centre for Environmental and Nuclear Sciences, in collaboration with the International Campaign to Abolish Nuclear Weapons (ICAN) and the International Law and Policy Institute (ILPI), organized and hosted the eighth regional meeting on the "Humanitarian Approach to Nuclear Weapons and the Prospects for a Ban". A total of 27 individuals from 14 different countries attended the roundtable. 12 of the participants were government officials, from 7 different countries (Costa Rica, Grenada, Jamaica, Mexico, St. Kitts and Nevis, St. Lucia, Trinidad & Tobago), while the rest were a mix of civil society, academics, and the Red Cross / ICRC. All funds for the meeting were provided by the Government of Norway. A full report on the meeting can be found

on the International Law and Policy Institute website (http://nwp.ilpi.org/?p=2567).

### PAPERS PRESENTED

- **C.N. Grant, J. Preston**, C. Chilian, G. Kennedy. SLOWPOKE-II Refuelling – Past Experience and New Challenges. Transaction of RRFM, St. Petersburg, Russia, April 21–25, 2013.
- **R.E. Hanson, C.N. Grant, L. Hoo Fung, R. attray, A. Spence**. Cadmium speciation in Jamaican soils. "Clean energy through Chemistry" – The 44th IUPAC World Chemistry Congress and 47th IUPAC General Assembly. Istanbul, Turkey. August 11–16, 2013.
- **A. Spence, C. Robinson, R.E Hanson**. The effect of microstructural changes on the organic loading capacity of montmorillonite. "Chemistry in motion" – The 246th ACS National Meeting and Exposition. Indianapolis, IN, USA. September 8–12, 2013.

### PUBLICATIONS

- **Leslie A. Hoo Fung, Johann M.R. Antoine, Charles N. Grant**, Dayne St. A. Buddo. Evaluation of dietary exposure to minerals, trace elements and heavy metals from the muscle tissue of the lionfish Pterois volitans (Linnaeus 1758). *Food and Chemical Toxicology* 60 (2013) 205–212.
- **Hoo Fung, L.** A., Rattray, V. R., **Lalor, G.C.** Cadmium in Jamaican Bush Teas. *West Indian Medical Journal*, 63:1 (2014). DOI: 10.7727/wimj.2012.322
- **A. Spence, R.E. Hanson, T. Johnson, C. Robinson, R.N. Annells.** 2013. (Bio) chemical characteristics of organic matter in a guano concretion of Late Miocene or 1 Pliocene age from Manchester Parish in Jamaica. *Analytical Chemistry Insights* 8, 51–52. .
- **A. Spence, C. Robinson**, 2013. Spectro-chemical analysis of the speciation of cadmium on montmorillonite in the presence of soil microbial biomass. *Procedia Environmental Sciences* 18, 114–126.



Back to Table of Contents

- **A Spence, C Robinson, R E Hanson**. The effects of microstructural changes on montmorillonite-microbial interactions. *Journal of Molecular Structure* 1056-1057 (2014) 157–165.
- **A. Spence, R.E. Hanson, C.N. Grant, L. Hoo Fung, R. Rattray.** 2014. Assessment of the bioavailability of cadmium in Jamaican soils. *Environ Monit Assess* DOI 10.1007/s10661-014-3722-9.

## INCOME GENERATION

ICENS received a grant of J$6,845,000 for June-August 2014 from the Ministry of Science, Technology, Energy and Mining to carry out a proof of concept project 'NEWMAT-1' to develop mineral wastes into mixtures suitable for durable but low-cost road repairs and service trench fills in Jamaica.

## PUBLIC SERVICE

**Dr Richard Annells**

– Fellow of: The Institute of Materials, Minerals and Mining, London.
– Chartered Engineer: The Engineering Council, London.
– Member, Coordinating Council, COMSATS (Commission on Science and Technology for Sustainable Development in the South).
– Member, Geological Society of Jamaica.

**Mr Johann Antoine**

– Chairman, National Mirror Committee on ISO Standard TC 93, technical committee on starch (bi-products and derivatives)
– Member, Codex committee on Methods of Analysis and Sampling.

**Mr Charles Grant**

– 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).

– Member, Coordinating Council, COMSATS (Commission on Science and Technology for Sustainable Development in the South).

**Ms Leslie Hoo Fung**

– Chairperson, National Food Standards Committee (ISO TC34 Mirror Committee), Jamaica Bureau of Standards.

– Vice President (Public Relations) of the Laboratories Association of Jamaica

– Member, Royal Society of Chemistry, London

– Member, Codex Committee on Methods of Analysis and Sampling.

– ISO/IEC 17025 Assessor, Jamaica National Agency for Accreditation.

**Ms Sandra Hunter**

– Fellow of Institute of Chartered Accountants of Jamaica.

**Mr. John Preston**

– Member, Land Information Council of Jamaica;

– Independent Member, GOJ Telecommunications Appeals Tribunal.

– Appointed by PIOJ as National Point Of Contact for the Nuclear Information Management System (NUSIMS) of IAEA.

**Dr Adrian Spence**

– Associate Member, Royal Society of Chemistry
– Member, American Chemical Society
– Member, American society of Mass Spectroscopy
– Member, United Way Jamaica
– Director, Archer Daniels Midland Jamaica Flour Mills Foundation.

**Mrs. Joan Thomas**

– Member, Inner Wheel Club of Kingston.

**Ms Tracey-Ann Warner**

– ISO/IEC 17025 Assessor, Jamaica National Agency for Accreditation.

# SIR ARTHUR LEWIS INSTITUTE OF SOCIAL AND ECONOMIC STUDIES

**Professor Brian Meeks**, BSc, MSc, PhD
**Director**

## OVERVIEW

### Research

This was a year of implementation as the Institute sought to take advantage of the ideas and energy generated over the past three years by the Fifty-Fifty project. This was most evident in our research agenda where research clusters set up during the Fifty-Fifty period and grouped around thematic concerns unveiled important conference and seminar initiatives. Most outstandingly, in October 2013, the Regional Integration cluster hosted a conference to commemorate the fortieth anniversary of Caricom, "Rethinking Regionalism: Beyond the Caricom Integration Project". Some 150 presenters delivered papers or participated in round tables. Keynote speakers included Professor Emeritus Norman



Back to Table of Contents

Girvan (now sadly deceased), Caricom Secretary General Irwin LaRocque, former Governor General of Jamaica Sir Kenneth Hall and Dr Alissa Trotz of the University of Toronto. In September in London, the Institute of the Americas, UCL, with SALISES as a partner, hosted a seminar entitled "Assessing Westminster in the Caribbean: Then and Now". Keynote Speakers were Professor Emeritus Norman Girvan and Professor Brian Meeks. In November, the Social Policy Cluster hosted the 8th Annual Child Research Conference, this year entitled "Beyond 2015: Safeguarding our Children's Future". As has become the tradition, a mixed grouping of some 60 academics, practitioners and students delivered papers related to the conference theme. In December the Political Economy and Public Policy (PEPP) cluster, with its primary purpose to explore critical issues in Caribbean political economy, was launched at a workshop that included participants from Florida International University (FIU), UAG, the University of Toronto, the University of Pennsylvania and SALISES. Later in the year, the Latin American and Caribbean Center (LACC) at FIU donated a grant of US$10,000 to PEPP, to plan two seminars, the first on fiscal policy in the Caribbean and the second on the role of the BRICs in the region. In January, the Institute hosted retired United States career diplomat Earle Scarlett (of Jamaican descent) who delivered two lectures on consecutive days. The first was entitled "Obama's Foreign Policy Agenda: opportunities and Constraints" and the second "A Diplomat's Quiver: handling the Unpredictable". In April, the new Interdisciplinary Cluster on Sustainable Investment, Environment and Development hosted a timely seminar to address the controversial suggestion from the Jamaican Government that new strategic shipping facilities should be developed in the protected Portland Bight region on the South coast. Entitled "Valuing Development in Protected Areas; the Goat Islands Debate" it attracted broad participation, most notably from local members of the affected Portland Cottage Citizens Association. In April too, Lyn Crost Professor of Social Sciences and Critical Theory at Brown University Anthony Bogues delivered a lecture in memory of the late distinguished Jamaican scholar Stuart Hall, entitled "Stuart Hall and the World we Live In". Also in April, SALISES hosted colleagues from Sciences Po Bordeaux, Universite Lyon, Universite

Antilles-Guyane, Oxford University and Warwick University at a seminar, entitled "Contending Perspectives on the Caribbean: Institutions, States, Cultures, Concepts". This conversation between French universities and UWI is part of a broader institutional arrangement that started with the highly successful Bordeaux/UWI Department of Government/UAG collaborative teaching programme.

## TEACHING

In August 2013 SALISES welcomed the first group of students reading for the Masters in Development Studies. The new curriculum, with its emphases on leadership training, critical thinking, advanced academic writing and exposure to a foreign language, is designed to create a flexible, interdisciplinary leadership cadre, able to operate at the highest levels in a variety of environments.

In May, fellows in the Institute completed a scheduled review of the MPhil/PhD programme. The final decisions addressed curriculum changes, more rigorous entry requirements and a series of administrative improvements to strengthen throughput and the overall quality of the research graduate programme. It is expected that these policies will be implemented in the coming academic year.

## INFRASTRUCTURE

Important infrastructural upgrades included the introduction of the Polycom teaching/learning system, implemented as part of the Vice Chancellor's Single Virtual University Space initiative. This significantly improved audio-visual communication and facilitated more seamless interaction, involving lecturers from other SALISES centres in Cave Hill and St Augustine. A new faculty/graduate student lounge was also commissioned, providing a comfortable space to hold seminars and individual study as well as Wi-Fi and smart television for internet browsing and small group teaching. The staff sick bay was also upgraded, providing a more comfortable place for rest and recuperation. The plan for 2014 and beyond is to completely refurbish the Documentation



Back to Table of Contents

Centre, which is to be named in honour of the late Norman Girvan, first Director of SALISES and to establish the George Beckford room as a dedicated visitor centre/welcoming area and archival resource, housing the documents of outstanding members of the Faculty of Social Sciences.

## STAFF MOVEMENTS

Dr Patsy Lewis was promoted to the position of Professorial Fellow in October. Senior Fellow, Dr Michael Witter, after a long and distinguished career at the UWI, retired at the end of the academic year. Professor Obika Gray spent one year as Professorial Fellow, returning to his substantive post at the University of Wisconsin Eau Claire in July. Senior Fellow Dr Pat Northover was the recipient of a Mellon grant and will be resident at Duke University in Spring, 2015. And at the beginning of the year, Ms Christine Crew joined the Institute as administrative officer.

## STUDENT MATTERS:

### Graduating Class of 2013/2014

The academic year 2013–2014 ended with five (5) students being awarded the MSc degrees. The breakdown was as follows:

**Table 1.** MSc Graduating Class 2013/2014 by Programme and Gender

| | Governance and Public Policy | Development Policy | Social Policy | Total |
|---|---|---|---|---|
| No. of Students by programme | 1 (M= 0; F= 1) | 2 (M= 1; F=1) | 2 (M=1; F= 1) | 5 (M=2; F=3) |
| Full-Time | 0) | 2 (M=1; F=1) | 0 | 2 (M=1; F= 1) |
| Part-Time | 1 (M=0; F= 1) | 0 | 2 (M= 1; F=1) | 3 (M=1; F=1) |

In summary:

| | |
|---|---|
| MSc. Governance and Public Policy | 1 |
| MSc. Development Studies | 2 |
| MSc. Social Policy | 2 |
| MSc. Economic Development Policy | 0 |

### PHD 2013–2014

One (1) student was awarded the PhD degree in Governance and Public Policy during the academic year.

PhD – Governance and Public Policy – Patrick Sterling

### MSc STUDENTS (2014/2015)

Twelve (12) students accepted the offer and registered for the 2014/2015 academic year, with six (6) being part-time students and six (6) being full-time students. The breakdown was as follows:

**Table 2.** Registration for New MSc Students (August-September): 2013/2014 by Programme and Gender

| | MSc. Development Studies | Total |
|---|---|---|
| No. of Students by Programme | (M=1; F=11) | 12 |
| Full/Time | (M=1; F=5) | 6 |
| Part/Time | (M=0; F=6) | 6 |

## RETURNING MSC COHORT 2013/2014

**Table 3.** Registration for Returning MSc Students 2013/2014 by Programme and Gender

| | Governance and Public Policy | Economic Development Policy | Social Policy Development | Total |
|---|---|---|---|---|
| No. of Students by programme | 4 (M= 0; F= 4) | 0 | 3 (M=2; F= 1) | 7 |
| Full-Time | 0 | 0 | 0 | 0 |
| Part-Time | 4 (M=0; F= 4) | 0 | 3 (M= 2; F=1) | 7 |

A total of twenty eight (28) returning MPhil/PhD students were registered for the academic year 2013/2014. The breakdown was as follows:

**Table 4.** Returning Cohorts –MPhil/PhD Registrations, 2013/2014 Programme and Gender

| | Governance and Public Policy | Economic Development Policy | Social Policy Development | Total |
|---|---|---|---|---|
| No. of Students by programme | 8 (M= 3; F= 5) | 10 (M= 6; F=4) | 10 (M=2; F= 8) | 28 |
| Full-Time | 3 (M=2; F= 1) | 1 (M=0; F=1) | 0 | 4 |
| Part-Time | 5 (M=2; F= 3) | 9 (M= 6; F= 3) | 10 (M= 2; F=8) | 24 |

## RESEARCH PAPER (SALI 6060) FOR 2013

Twenty (20) students wrote the Research Paper (SALI 6060) for 2013/2014. The breakdown is as follows:

| | |
|---|---|
| Governance and Public Policy: | 4 |
| Economic Development Policy: | 0 |
| Social Policy: | 3 |
| Development Studies | 13 |

**Table 5.** Net Income from SALISES Degree Programmes, 2013/2014

| Net Income | J$ |
|---|---|
| MSc, MPhil, PhD | 5,748,725.23 (July, 2014) |

## DOCUMENTATION CENTRE

The SALISES Documentation Centre (DC) continued to deliver invaluable information and library service to graduate students at the University 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 from the United States and United Kingdom.

The DC 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.

Readings for the SALISES Graduate Programme, the Human Resource Development Programme (HRD), and the departments within the Faculty were processed and made available for both semesters.

Some of the key activities during the period included:

- Integration of the DC collections into the Main Library's ALEPH database. The process began in June 2013 with an assessment of the collection and continued into the new academic year with staff training and data entry. Two collections were completed during the period, the Human Resources Management Collection and the Clinical Psychology Collection. Over ninety percent of the materials in the Reserve Book Collection were also completed. Staff received training in the use of the software to undertake both copy and original cataloguing of materials in different formats, adding barcodes and creating holdings of item records.
- Displays included: Recent Staff Publications and activities related to the research clusters.
- SALISES participated in 'Mona Research Days' which was held from February 19–21, 2014. The DC staff coordinated this activity and members of the academic and other SALISES staff helped with the manning of the booth. The display included a retrospective look at the Fifty-Fifty Research Project, the work coming out of some of the research clusters, students and staff research and publications, and interviews with Fellows on their areas of research interest.
- The processing of the materials in the special collections was initiated and one staff member has been assigned to this task.
- The DC continued collecting and archiving all memorabilia, including pictures, videos and clippings, of all SALISES activities.
- A re-organisation of the collections continued over the period to allow more accessibility to some of the heavily used collections. Some sections of the collections were weeded and shifted to create space and improve visibility and accessibility. The annual shelf reading of the main collections began in the summer period and is expected to be completed in the new academic year.
- Two students from the Department of Library and Information Studies, Terina Dryden and Teresa Reid-Dobson, completed their six weeks field work at the DC, during the period July to early August 2014.

## PUBLICATIONS SECTION

### Annie Paul, Senior Publications Officer

Sales Report (August 1, 2013 – July 31, 2014)

| | US$ | JA$ |
|---|---|---|
| SES Subs | 25,180.00 | |
| SES royalties | 5,950.97 | |
| JAMCOPY royalties | | 243,524.93 |
| Walk-in sales (SES) | | 53,600.00 |
| Walk-in sales (Special Books) | 67.00 | 14,980.00 |
| **Total** | **US$31,197.97** | **JA$312,104.93** |

## SOCIAL AND ECONOMIC STUDIES (SES)

**Off press:**

- Volume 62: 3 and 4, September/December 2013 Special Issue, Grenada: Revolution, Invasion and Beyond
- Volume 63: 1, March 2014 General issue
- Volume 63: 2, June 2014 General issue, at press.

## DEREK GORDON DATA BANK

**Data documentation**

Documentation was finalised on most of the datasets which can be viewed on the SALISES website.

### Software

Designed and maintained websites for

- SALISES 16th Annual Conference (The W Arthur Lewis Centennial)
- Conference on "Beyond Westminster in the Caribbean: Critiques, Challenges and Reform"

### Web page maintenance

- SALISES website
- 50-50 conference website
- Caribbean Child Research Conference website
- Regional Integration website
- SALISES blog
- SALISES Facebook
- Caribbean Child Research Conference Facebook
- SALISES YouTube Channel

### Network Upgrade

- Vendor selection in Network Infrastructure Upgrade work
- Provided technical advice and support to Project Manager regarding acquisition of project equipment and technology
- Determined equipment specifications
- Coordinated technology installation and commissioning

### Hardware

- Computer repair and maintenance
- Provided first line maintenance for SALISES PolyCom Video-conferencing system

### Technical Support to Researchers and Students

- Provided technical advice to postgraduate students
- Prepared tabulations, charts, etc. for teaching and research purposes
- Prepared of datasets for students and other researchers
- Supervised 2 MSc and 1 MPhil/PhD students.
- Provided technical assistance to staff members

## F. SEMINARS AND CONFERENCES

- Preparation, including creating, formatting and printing, of all documentation (programme, posters, labels, nametags, nameplates etc) for seminars and conferences e.g. Caribbean Child Health Conference, Regional integration conference, Beyond Westminster in the Caribbean Conference
- Managed the IT services for all seminars and conferences held during the year
- Managed Health group for 50-50 conference
- Provided management support at conferences

## PAPERS PRESENTED AT ACADEMIC/PROFESSIONAL CONFERENCES

**Gilbert-Roberts, Terri-Ann**

- "Youth and Jamaica Vision 2030", Department of Government Research Day Forum on the theme of "Vision 2030: The Youths Perspective", February 20, 2014

**Henry-Lee, Aldrie**

- A Sociology of Childhood for Developing Countries presented at the 15th annual SALISES Conference in Trinidad and Tobago. Wednesday 23 April, 2014
- Perceptions of Childhood Among High School Children in Jamaica. Caribbean Child Research Conference, November 6, 2013

**Lewis, Patsy**

- 'Responses to the Sovereignty/Vulnerability/Development Dilemmas: Semi-autonomous states and their integration into the OECS'. SALISES' Regional Integration Conference 2013, 'Rethinking Regionalism: Beyond the CARICOM Integration Project, October 7–9, UWI Regional Headquarters, Kingston.

**Meeks, Brian**

- Beyond Westminster: what does the Caribbean experience teach about more democratic futures? 15th Annual SALISES Conference, "Caribbean Development: Standing Still or Standing Tall?" Port of Spain, April 23–25.
- "For Rupie", Keynote address at the Opening Plenary, "Black Radical Thought: a Conference in honour of Professor Rupert Lewis", UWI, Mona, October 10–12.
- "The Politics of Leadership in Caribbean Integration" round table discussion with Norman Girvan, Maxine Henry Wilson, Percy Hintzen and Obika Gray, SALISES Regional Integration Conference 2013, "Rethinking Regionalism: Beyond the Caricom Integration Project", UWI Regional Headquarters, Kingston, October 7–9.
- "Beyond Westminster: what does the Caribbean Experience teach about more democratic futures?" Closing Keynote, "Assessing Westminster in the Caribbean: Then and Now", Institute of the Americas, University College London, September 19–20. (Conference co-host)

**Northover, Patricia**

- Dunn, L, **Northover P** and Waller, (2014). "Mainstreaming Gender and Age Dynamics In Rural Development and Climate Change Adaptation Programmes – Insights From the USAID's Ja Reeach Project,"power point, 25 slides, presented at the Sir Arthur Lewis Institute of Social & Economic Studies (SALISES) 15th Annual Conference Hyatt Regency Hotel, Port-of-Spain, Trinidad & Tobago, April 23–25, 2014. Caribbean Development: Standing Still or Standing Tall? Theoretical, Empirical and Policy Challenges.

- Dunn, L, **Northover P** and Waller, (2014). "Mainstreaming Gender and Age Dynamics In Ja Reeach – The USAID's Rural Development and Climate Change Adaptation Programmes Project; revised power point presentation at the Sixth British Caribbean Geography International Seminar, University of the West indies; Dept. Of Geography and Geology, Mona campus; June 23–27th 2014. The Caribbean Region: Adaptation and Resilience to Global Change.
- **Northover, P** and Crichlow M, "Notes on the Journey towards the Future: Negritude, Abject Blackness and the Emancipatory force of Spectrality." Presented at Aime Cesaire and Negritude: Revisited, Duke University symposium, October 3–4, 2013.

**Tindigarukayo, Jimmy**

- Outcome Evaluation of an Outreach Project to Help Homeless People in Jamaica, Presented at the Sir Arthur Lewis Institute of Social and Economic Studies (SALISES) 15th Annual Conference at Hyatt Regency Hotel, Trinidad, April, 2014.

**Witter, Michael**

- "The Business of Music in Jamaica", Music Conference organized by Mona School of Business, December 2013.
- "Green Initatives in the Caribbean", to OECD Expert Workshop on Green Growth and Development Planning and Policy, Paris, February 20, 2014.
- "Challenges of Greening the Caribbean", to Wilton Park conference on Real green economies, Wilton Park, UK, February 26, 2014.
- "The Caribbean's Existence Problem", Rutgers University, May 2014

## PUBLICATIONS

### Refereed Journal Articles

**Fox, Kristin**

- "The use of Census Data for National Development Planning, Focus



Back to Table of Contents

on the 2010 population and housing census" *ECLAC Studies and Perspectives* series.

**Lewis, Patsy**

- '"The Grenada Intervention The Inside Story": A Response to Edward Seaga', in Grenada: Revolution, Invasion and Beyond, *Social and Economic Studies*, vol. 62, nos. 3&4, September/December 2013, pp. 83–111.

**Meeks, Brian**

- "The Squall as Metaphor in Stormy Grenada", in Patsy Lewis (ed.) "Grenada: Revolution, Invasion and Beyond", Special Issue *Social and Economic Studies* vol.62 nos. 3 and 4, Sep/Dec 2013, pp. 9–13.

**Tindigarukayo, Jimmy**

- "The Impact of Rural-Urban Influx on Jamaica Society", *International Journal of Humanities and Social Sciences,* Vol. 4, No. 9 (July 2014), pp. 35–40.
- "Evaluation of the Health and Family Life Education in Jamaica", *Caribbean Dialogue,* Vol. 16, Nos. 1–3 (August 2013), pp. 65-82.

**Referreed Book Chapters**

**Lewis, Patsy**

- 'Assessing the Developmental Potential of the FTAA and EPA for Small Developing States', in W Andy Knight, Julian Castro-Rea and Hamid Ghany (eds.), *Re-Mapping The Americas: Trends In Region-Making, The International Political Economy of New Regionalism Series*, Ashgate Publishing Company. USA: Burlington, 2014, pp. 151–184.

**Meeks, Brian**

- "Black Power Forty Years On: an Introspection', in Kate Quinn (ed.) *Black Power in the Caribbean*, University Press of Florida, 2014, pp. 261–274.

- "The Political Moment in Jamaica: The Dimensions of Hegemonic Dissolution" in Aaron Kamugisha (ed.) *Caribbean Political Thought: Theories of the Post-Colonial State*, Ian Randle Publishers, Kingston and Miami, 2013, pp. 81–97. (previously published 1996)

**Northover, Patricia**

- Northover, P (2014) "Development as Freedom" in *The Companion to Development Studies,* Third Edition, edited by Vandana Desai and Robert Potter, (London: Routledge): 33–38.

#### Non-Refereed Articles

**Tindigarukayo, Jimmy**

- "The years 50 Next: Make homeownership affordable", *Jamaica Gleaner*, Friday January 11, 2013.

#### Technical Reports

**Tindigarukayo, Jimmy**

- Report on: Secondary Analytical Research on Squatting in Jamaica, for Ministry of Transport, Works and Housing, 25 Dominica Drive, Kingston 5

**Witter, Michael**

- "Belize: Beyond the Barbados Programme of Action and the Mauritius Strategy for Implementation", prepared for the UNDP-Belize Country Office, August 9, 2013
- "Project Pipeline: Proposed new projects for CPAP, 2012–2016", prepared for UNDP, October 2013
- "Informal Employment in Jamaica", prepared for the ILO, November 26, 2013
- "Net Socio-Economic Impacts of a Green Economy: the Caribbean", in CANARI, "A New Paradigm for Caribbean Transitioning to a Green Economy", prepared for the Caribbean Development Bank, February 2014

- "Net Socio-economic Impacts of a Green Economy: the Caribbean", February 2014
- "Review of the UNDAF, 2012–2016, prepared for the UNDP, March 2014
- "National Poverty Reduction Strategy: St. Vincent and the Grenadines, 2015–2019", June 16, 2014
- "Report on the Consultations on Localizing the Implementation of the Post-2015 Development Agenda", prepared for UN Jamaica, August 17, 2014

#### Edited Volumes

**Lewis, Patsy**

- Guest Editor, Grenada: Revolution, Invasion and Beyond, *Social and Economic Studies*, vol. 62, nos. 3&4, September/December 2014

#### Research in Progress

**Henry-Lee, Aldrie**

- Perceptions of childhood in Jamaica: *Journal of Eastern Caribbean Studies*
- A Child's Right to Health in the Caribbean: *Social and Economic Studies*
- Aldrie Henry-Lee (Guest Editor) Children of the Caribbean in *Journal of the Eastern Caribbean Studies*
- Aldrie Henry-Lee (Guest Editor) Child Rights in the Caribbean, *Social and Economic Studies*
- Social Policy in The Post-Independent Caribbean: A 50/50 nexus (Guest Editor): Book prepared by the 50/50 Social Policy Cluster.
- Citizens-at-Risk: Children of the Caribbean for peer-review publication in Social and Economic Studies for peer-review publication in special issue by Terri-Ann Gilbert-Roberts.

- Book in Preparation: Endangered Childhood in the Caribbean: The Impact of Social Attitudes and Public Policy

**Lewis, Patsy**

- Jessica Byron and Patsy Lewis, ''Responses to the Sovereignty/ Vulnerability/Development Dilemmas: Small Territories and Regional Organizations in the Caribbean', September 2014, in Danielle PERROT (dir.), Les entités infra-étatiques et les organisations de coopération et d'intégration régionales, Paris,l'Harmattan, collection GRALE, 480 p, 2014.
- ¿Adónde va la integración caribeña? Refundiendo los cimientos de un nuevo proyecto de integración, in El Caribe: independencia, identidad e integración Coordinado por: Jacqueline Laguardia Martínez Editorial Ciencias Sociales, La Habana 2015.

**BOOKS**

**Meeks, Brian**

- *Critical Interventions in Caribbean Politics and Theory*, The University Press of Mississippi, Jackson, December 2014 (260 pages)
- *Freedom, Power and Sovereignty: The Thought of Gordon K. Lewis* (ed.) with Jermaine McCalpin, Ian Randle Publishers, Kingston and Miami, December 2014 (210 pages)

**Refereed Articles:**

- "Portia Simpson Miller" in Henry Louis Gates Jr and Franklin W. Knight (eds.) *Dictionary of Caribbean and Afro-Latin American Biography,* Oxford University Press, 2014.

**Northover, Patricia**

- Northover, P and Crichlow M (2014). "Notes on the journey towards the future: Negritude, Abject Blackness and the Emancipatory force of Spectrality." *For the South Atlantic Quarterly Journal.*

- Northover, P (2014). From Process to History: Black Holes, the Will to Improve and the Limits of Lewis' *Theory of Economic Growth.*

## AWARDS & SCHOLARSHIPS

**Northover, Patricia**

- Most Outstanding Researcher, the University of West Indies, Faculty of Social Sciences, 2014
- Best Publication Award; the University of West Indies, Faculty of Social Sciences (Global South, 2012, 6 (1): 66–86.) 2014
- Research Project with Greatest Multidisciplinary/Cross Faculty collaboration; the University of West Indies, Faculty of Social Sciences). Gender and Youth Assessment: Jamaica REEACH Project, 2014.

## UNIVERSITY SERVICE

**Fox, Kristin**

– Member – UWI Ethics Committee

**Gilbert-Roberts, Terri-Ann**

– Member, Faculty of Social Sciences Teaching and Learning Committee

– Finalisation of Peer Review of Teaching and Learning Framework

– Chairing of SALISES 50/50 Youth Research Cluster, on-going

– Editorial work on special issue of Social and Economic Studies in preparation

– Facilitation of youth outreach workshop on "Grounding in the Past: Youth and the Jamaican National Heroes", August 14–16, 2013 in Cassava Piece, Kingston Jamaica (in collaboration with Birte Timm and Khitanya Petgrave, Department of History UWI Mona and HELP Jamaica Centre).

– Design of new graduate course on "Understanding CARICOM Integration Institutions" for Mona Principal's Regional Initiative (to be approved)

– Organisation of Regional Integration Conference "Rethinking Regionalism: Beyond the CARICOM Integration Project", October 7–9, 2013

– Convening of Youth Roundtable on "Caribbean Integration and Development: Youth Perspectives", October 7, 2013

**Henry-Lee, Aldrie**

– FSS Associate Dean for Undergraduate Studies

– Coordinator, MSc Programme, SALISES

– Chair, Social Policy Cluster SALISES 50/50 Project

**Lewis, Patsy**

– Coordinator, Mphil/PhD programme 2012–

– Chair, SALISES Mphil/PhD review committee 2014–2015

– Chair, SALISES Regional Integration Research Cluster 2010–

– Chair, SALISES Grenada research cluster 2010–

– Member of FSS Graduate Sub-Committee. 2012–

**Meeks, Brian**

– The Public Orator, UWI Mona (2006–present) Sixty Five Citations.

– Member of UWI Mona Appointments Committee (2007–present)

**Newman, Nadine**

– Library Liaison with UWI Bookshop

– Member, SALISES Integration Conference Committee

– Mentor, UWI Mentorship Programme

– SALISES Safety Coordinator/OSHE Representative

– Chair, SALISES Projects Committee

**Northover, Patricia**

– Member SALISES Research Committee, Chair Brian Meeks

– Member of Faculty of Social Science Graduate Sub-committee; Chair David Tennant.

– Member of Strategic Transformation Group – Research and Innovation, Chair, Arlene Bailey.

**Paul, Annie**

– Reviewed the following manuscript for UWI Press. "The Terror and the Time: Banal Violence and Trauma in Caribbean Literary & Popular Narratives" 2013

– Board member, MSBM Business Review

**White, Thelma**

– UWI Facilitator – First Year Students' Experience

## PUBLIC AND PROFESSIONAL SERVICE

**Fox, Kristin**

– Member of Steering Committee – Jamaica Survey of Living Conditions

– Member – Early Childhood Commission – Research Committee

**Gilbert-Roberts, Terri-Ann**

– Preparation of Inputs to Monitoring and Evaluation and Policy Alignment Framework for the CARICOM Youth Development Action Plan, December 2–3, 2013 (as Member of CARICOM Technical Working Group on Youth Development)

– Facilitation of Youth Workshop on Social Audit for Young Belizean Leaders and Entrepreneurs, October 25–26, 2013, University of Belize, Belize City (in partnership with UNDP).

**Henry-Lee, Aldrie**

– FSS Associate Dean for Undergraduate Studies

– Coordinator, MSc Programme, SALISES

– Chair, Social Policy Cluster SALISES 50/50 Project

**Lewis, Patsy**

– Member of the University Hospital Board of Management

– Member of the following sub-committees of the University Hospital of the West Indies Board of Management:

– Member, UHWI Strategic Planning Committee

– Human Special Resources Advisory Committee

– Nursing Advisory Committee

– Member of the Board of Trustees, University Hospital of the West Indies Superannuation Scheme.

– Member, American International School of Kingston (AISK) Endowment Fund Scholarship Committee.

– Member, Advisory Committee to the Jamaica Trade Board

– Member, Executive, Jamaica Cambridge Society

**Meeks, Brian**

– Member of the Government of Jamaica's Legacy Committee appointed to identify the projects that would mark fifty years of Jamaican independence.

– Member, Board of Directors, Planning Institute of Jamaica (PIOJ).

– Adjudicator, 'Best Academic Book', Eleventh Biennial Book Industry Association of Jamaica Publishing and Writing Awards.

**Newman, Nadine**

- Member, Library and Information Association of Jamaica (LIAJA)
- Member, Research and Publications Working Party, LIAJA
- Member, Socio-Economic Information Network (SECIN)
- Member, American Library Association (ALA)
- Member, Association of College and Research Libraries (ACRL)
- Member, Association of Caribbean Higher Education Administrators (ACHEA)
- Class Representative, Grade 2–3, St. Peter and Paul Preparatory School
- Class Representative, Grade 5–3, St. Peter and Paul Preparatory School
- Assistant Secretary, Chancery Hall Citizen Association

**Northover, Patricia**

- Excelsior High School Student welfare/- Chair of the LHS scholarship fund

**Paul, Annie**

- Adviser, 2014 Musgrave Medals, Institute of Jamaica
- Interview Committee for Chief Curator at National Gallery of Jamaica
- Served on Exhibitions Committee, National Gallery of Jamaica
- Cultural Fund Committee, JAMCOPY

**Tindigarukayo, Jimmy**

- A Member of the Committee on Data Sharing and Pricing Policy, Pubic Sector Reform Unit, Cabinet Office, Government of Jamaica.

– Member of the National Housing Policy and Implementation Plan Technical Review Committee, Ministry of Transport, Works and Housing.

**White, Thelma**

– Chair, Advocacy, Library and Information Organization (LIAJA)

– Sunday School Superintendent, Braeton New Testament Church

**Witter, Michael**

– Member of the Oversight Committee of the Forest Conservation Fund

– Member of the Interim Board of the new Environmental Foundation of Jamaica

– Member of an Advisory Group to the Caribbean Community Climate Change Centre

– Member of the Council of the Institute of Jamaica

– Member of the Board of Recycling Partners of Jamaica

# THE BIOTECHNOLOGY CENTRE

**Professor Helen Asemota,** BSc, *Univ. of Benin, Nigeria*, MSc, *Ahmadu Bello University, Nigeria*, PhD, *Univ. of Benin/Frankfurt*, Germany
**Director**

## WORK OF THE CENTRE

The Biotechnology Centre started the 2013–2014 academic year with the appointment of Professor Helen Asemota as the new Director following Dr. Marcia Roye's three years as Acting Director, upon the retirement of the Founding Director, Professor M. Ahmad, in 2010. Professor Asemota who has led the Yam research group of the Biotechnology Centre from the early 1990s was appointed on secondment from the Department of Basic Medical Sciences. She is Professor of Biochemistry & Molecular Biology, a long standing academic staff of the University and an occasional International Consultant for Biotechnology with the United Nations FAO emergency services. The Centre holds monthly staff meeting to plan, discuss and review its activities.

During the year in question, research activities continued rigorously at the Centre, especially in the area of agro-based studies involving medicinal

plants, yams, moringa, forestry preservation, molecular virology, as well as study of begomoviruses and other viruses associated with citrus, potato, cucurbits and other crops. Biomedical research included investigations of the glycemic indices of Jamaican foods, including root and tuber crops, and commonly eaten snacks, in collaboration with the Scientific Research Council and the Basic Medical Sciences Department, and analyses of mechanism of action of supplements or secondary metabolites in animal model of diseases. Drug Abuse research was also pursued in collaboration with experts from the Psychiatry and Community Health Department, and Maryland, USA

The Centre's academic staff members were all involved in teaching undergraduate courses within the Department of Basic Medical Sciences, the FST and the Department of Life Sciences, as well as in the training and supervision of postgraduate students conducting research at the Centre. They were also involved in various outreach programmes, participating in public lectures and seminars, and in university meetings and activities such as the Western Jamaica Campus Open Day (January 13 and 14, 2014) and the Annual Research Day (February 19 to 21, 2014).

## OUTREACH SERVICES

The Centre is assisting the Access and Benefit Sharing (ABS) initiative in the Caribbean for eventual ratification of the Nagoya Protocol. Dr. Mitchell has been designated as the UWI representative and serves the team as the Scientific Advisor. Established in 2006, the ABS Capacity Development Initiative is a multi-donor collaboration that aims to support African, Caribbean and Pacific countries in developing and implementing the 'Nagoya Protocol on Access to Genetic Resources and the Fair and Equitable Sharing of Benefits Arising from their Utilization to the Convention on Biological Diversity'. The Initiative is governed by three Regional Steering Committees, composed of governmental ABS experts from the region, donors and stakeholder representatives.

## VISITORS TO THE CENTRE

The Centre received various UWI and local visitors during the year, from colleagues at both Mona and the St. Augustine Campus, the public and from the Caribbean Maritime Institute. Foreign visitors to the Centre included: a) Professor Moji Adeyeye, Head of the School of Pharmacy of the Roosevelt University, Illinois, USA, to discuss research collaboration. The collaboration set up resulted in the visit of a UWI postgraduate student of Professor Asemota, Sasha-Gay Wright to the laboratories of the School of Pharmacy at Roosevelt for a semester; b) Dr. Mathew Baker from Oxford University (now at the Chang Cardiac Research Institute in Australia) also visited to discuss nanotechnology collaboration possibilities; c) Dr. Kendra Merchant, Assistant Professor of Biology, at the Albany State University, GA, USA, an old student of the UWI.

## NEW INITIATIVES

- The Centre created a proposal for Products Pre-commercialization (Pilot) Analysis Project, which received approval. The objectives include pilot study for the commercialization of the developed Biotech Value-added Products as well as the modified yam starch for pharmaceutical applications, as exhibited at the UWI 2014 Research Day by Prof. Asemota's research team. The pre-commercialization project invited the appointment of Dr. Alexia Harvey as a Research Fellow for the Project, effective August 1, 2014
- The Centre developed a "Way Forward Document" that was presented to the Faculty Board on Thursday May 8, 2014 by the Director. It includes plans to, among other things, effect: enhancement of agricultural research to support agro-based economic boost; transformation of biotech education to promote preparedness for insurgent bioeconomy; enhancement of community outreach through incubator programmes & bioservices; commercialization of existing sellable outputs through effective pre-commercialization studies; introduction of cultural biotechnology to highlight indigenous bio-based technologies; and

transformation through marketplace biotechnology to a Centre of Excellence in the tropical world for 'Plants propagation, pathology and value-added products development'. The Biotechnology Centre's Way Forward document was submitted to the Dean of the Faculty of Science and Technology in June 2014.

- In December 2013, the Biotechnology Centre Seminar Series was initiated, commencing with a presentation entitled "The Nagoya Protocol for Access and Benefit Sharing: Implications for Research and Development" by Dr. Sylvia Mitchell on December 16, 2013. The second seminar titled "Virus discovery, detection, diagnosis and characterization using small RNA deep sequencing" was by Dr. Marcia Roye on May 15, 2014. This was followed by a presentation by a visitor to the Biotechnology Centre, Dr. Matthew Baker of the Victor Chang Cardiac Research Institute in Australia, titled "Harnessing the Bionanotechnology Inside the 'salmonella speedboat': The artificial synthesis of the bacterial flagellar motor" on May 27, 2014. Dr. Baker's visit also gave support to the drafting of a bionanotechnology course. Dr. Kendra Merchant of the Albany State University, USA, a former UWI student of Prof. Asemota, was the fifth presenter in the Biotechnology Centre Seminar Series. Her seminar entitled "The use of Dietary Phytochemicals in the Treatment of Prostate Cancer" was on July 17, 2014. Electronic copies of the presentations are available at the Centre for interested persons. The Biotechnology Seminar Series was planned to include biotech business development presentations.
- Within the year, the Centre began a Biotech Incubation Programme with the help of the Mona Office for Research and Innovation (MORI) in collaboration with the UWI Business Initiative. The first intern of the Incubation Project is Mr. Jordan Freeman, a Biotechnology Student of the University, training to develop a biotech business within the sweet industry. He is supervised by Professor Asemota and Mr. Colin Webster of the UWI Business Initiative.
- The Centre participates in the Bureau of Standards 'Enterprise Jamaica' Initiative which is aimed at raising the standard of entrepreneurship in Jamaica. The Virtual Incubation Programme of this project will target

start-up businesses in a bid to steer them through the difficult early stages. The Biotechnology Centre will provide knowledge and advice for the Incubation programme's bio-technical dimensions. Mr. Jordan Freeman and Ms. Danielle De LaHaye were both enrolled by Dr. Sylvia Mitchell for participation in the "Enterprise Jamaica" Initiative.

## THE 2014 DENBIGH SHOW EXHIBITIONS

The Centre participated in the 2014 Denbigh Agricultural Show. A number of medicinal plants (John Charles, Pimento, Lemon Grass etc.) and tissue culture plants (yams, pineapples, ginger, turmeric, sarsaparilla etc) were displayed. Moringa was specially featured at this event. A few products were available for taste, such as Moringa bars, yam spreads and juice. Moringa seeds, leaves, flowers, pods and plants were also displayed and literature provided to highlight the medicinal potency of the plant. Several Biotech Centre value-added products were displayed, the cheesy yam spread was chosen for television coverage. Other Biotech Products displayed included neem tea, John Charles and fever grass tea. Dr. Sylvia Mitchell coordinated the Denbigh Show on behalf of the Centre, facilitated by some postgraduate students of Professor Asemota – Racquel Wright, Kenroy Wallace and undergraduate research student Nikashae Scott (of both Professor Asemota & Dr. Mitchell), who are all co-inventors of products. The Biotechnology Centre-Denbigh Team partook in two promotional activities, a feature of the Moringa products on CVM on July 28th, and the feature on the yam spreads on 'Smile Jamaica', TVJ, on July 30th http://www.televisionjamaica.com/Programmes/SmileJamaica.aspx/Videos/36652). A lot of interest was received over the three days of the Denbigh Show for all of the Centre's products displayed. Notable scenes at the display included the Principal of UWI Mona, Professor Archibald McDonald and the Minister of Education, Ronald Thwaites, tasting the yam spreads and Moringa bars.

## COLLABORATION

The Centre is collaborating with multiple Departments and Institutes of the University of the West Indies as well as with some Governmental



Back to Table of Contents

Agencies, private sectors, and foreign institutions. To mention a few, there is a new collaboration with NEPA on conservation of extreme species. There is ongoing collaboration with the Natural Products Institute to test for citrus greening (HLB disease) on some fifteen samples of four varieties of citrus plants and another with the Scientific Research Council on glycemic indices of Jamaican commonly eaten foods. A table of glycemic indices of commonly eaten foods has been prepared for use in health management efforts. With the Department of Life Sciences, the Centre is screening varieties of citrus plants for pathogens including psorosis, tatterleaf, and citrus tristeza virus, both mild and severe, among others. The Centre is also involved in a pimento project with the Life Sciences Department through Prof. Noureddine Benkeblia and has a leading from the Agro Investment Corporation. The research aims to develop biomarkers for male and female pimento plants using molecular techniques in order to know in advance which trees will bear fruits. The Project is supervised by both Professor Asemota and Prof. Bankeblia and includes Dr. Melaine Randle, the Centre's Senior Laboratory Technologist, in collaboration with Mr. Frederick Boyd of the Life Sciences Department. The Centre is in ongoing collaboration with the Basic Medical Sciences Department, the Chemical Pathology Section, the Sickle Cell Unit and the Department of Chemistry. The Centre is also collaborating with the Ministry of Education in their current bid to transform education, in aspects that pertain to Biotechnology.

## PAPERS PRESENTED AT CONFERENCES

- Mitchell S.A. (2014). "Innovative ways to successfully initiate tropical plant species including ginger (Zingiber officinale), turmeric (Curcuma longa), sarsaparilla and chainy root (Smilax spp), and yam (Dioscorea spp)". World Forum on Biology, Joint Meeting of the Society for In Vitro Biology and the Society for Cryobiology, Savannah, Georgia, USA, May 31–June 4th, 2014. Abstract P-31, In Vitro Cellular and Development Biology, Abstract Edition 50: S10.
- Picking D and Mitchell S.A. (2014). "The contemporary use of medicinal plants in Jamaica and in vitro assessment of potential



Back to Table of Contents

herb-drug interactions and chemopreventative properties of select plants". 25th Mona Symposium on Natural Products and Medicinal Chemistry, January 6–9, UWI, Mona Campus.

- Mitchell S.A. (2013). "Value chains in Jamaica, from natural biodiversity to high-value products, and associate challenges in achieving benefits from these endeavours". The 2nd Workshiop of the Access and Benefit Sharing (ABS) Capacity Development Initiative, November 25–29, Kingston, Jamaica.
- Roye, M.E. (2013). Applications of high throughput sequencing: Viral diagnosis and characterization. Therapeutics and Functional Genomics, Society for Scientific Advance Second Annual Conference, Mona Visitors Lodge, UWI, Mona, Kingston, November 22, 2013.
- Ross-Davis, A, Graça, R, Alfenas A, Peever T, Hanna J, Uchida J, Hauff R, Kadooka C, Kim M, Cannon P, Namba S, Minato N, Simento S, Perez C, Rayamajhi M, Morán M, Lodge D, Arguedas M, Medel-Ortiz, R, López-Ramirez M, Tennant P, Glen M, Klopfenstein N. (2013). "Tracking the distribution of the pandemic Puccinia psidii genotypes". Annual meeting of the American Phytopathological Association Austin, Texas, August 10–12.
- Roye, M.E. (2013). First Love (Geminivirus research in Jamaica), no love at all (HIV drug resistance in adults and children in Jamaica). CARISCINCE Conference and Annual General Meeting. Runaway Bay, St Ann Jamaica. (Plenary lecture), November 14–16.

## PUBLICATIONS

### Refereed Journals

- Dilworth LL, Brown KJ, Wright RJ, Oliver MS and Asemota HN "An assessment of bioactive compounds and antioxidants in some tropical legumes, seeds, fruits and spices". *Journal of Research in Biology* 3,7 (2014): 1182–1194.
- Dewayne E. Stennett, Frederick Oladeinde, Andrew O. Wheatley,

Lowell L. Dilworth, Christine Hohmann, Joseph Bryant and Helen N. Asemota. "Evaluation of the effects of bitter yam tuber supplementation on serum parameters used to assess hepatotoxicity and nephrotoxicity in transgenic mice". *Journal of Bioscience and Biotechnology* 3,2 (2014): 133–139.

- Curtello, S., Vaillant, A. A. J., Asemota, H., Smikle, M. P., & Akpaka, P. E. "Salmonella Yeerongpilly in a Chinese Owl (Columba livia domestica) in Jamaica". *British Microbiology Research Jour*nal 4, 2 (2014) 167–172.
- Curtello, S., Vaillant, A. A. J., Asemota, H., Smikle, M. P., & Akpaka, P. E. "A DNA vaccine versus attenuated vaccine to protect against Salmonella infection in chickens". *British Journal of Medicine and Medical Research* 4, 3 (2014) 828–842.
- Curtello, S., Vaillant, A. A. J., Asemota, H., Akpaka, P. E., & Smikle, M. P. "Prevalence of Salmonella organisms in poultry and poultry environments in Jamaica". *British Microbiology Research Journal* 3, 4 (2013) 461–469.
- Asemota, H., Curtello, S., Vaillant, A. A. J., Mohammed, W., & Vuma, S. Purification of Avian IgY with Trichloroacetic Acid (TCA). *J Chromatograph Separat Techniq*, 4,205 (2013) 2.
- Curtello, S., Vaillant, A. A. J., Asemota, H., Akpaka, P. E., & Smikle, M. P. (2013). The Effectiveness of Antibiotics in the Prevention of Salmonella Typhimurium in Growing Chickens. American Journal of Experimental Agriculture 3, 4 (2013) 849–856.
- Dewayne Stennett, Frederick Oladeinde, Andrew Wheatley, Lowell Dilworth, Joseph Bryant, Helen Asemota. "Modulation of the antioxidant status of the hearts and brains of genetically modified hypercholesterolemic mice overproducing HDL cholesterol following acute bitter yam supplementation". *Oxidants and Antioxidants in Medical Science* 2, 1(2013):11–19.
- Green, C. O., Wheatley, A.O., McGrowder, D.A., Dilworth, L.L. and Asemota, H.N. "Citrus peel polymethoxylated flavones extract

modulates liver and heart function parameters in diet induced hypercholesterolemic rats". *Food and Chemical Toxicology* 51 (2013) 306–309.

- Dewayne Stennett, Frederick Oladeinde, Andrew Wheatley, Joseph Bryant, Lowell Dilworth and Helen Asemota. (2013). Effects of Dioscorea polygonoides (Jamaican Bitter Yam) supplementation in normocholesterolemic and genetically modified hypercholesterolemic mice species. *Journal of Food Biochemistry* (Available online at http://authorservices.wiley.com/bauthor/onlineLibraryTPS.asp?DOI=10.1111/jfbc.12022&ArticleID=1104068).
- Stewart, C., Kon, T., Rojas, M., Graham, A., Darren, D., Gilbertson, R., Roye, M. (2014). The molecular characterization of a Sida infecting begomovirus from Jamaica. Archives of Virology 15 (2014):375-378. (Online version published 2013 Archives of Virology. Volume 158(8) http://www.ncbi.nlm.nih.gov/pubmed/23933798).
- Roberts M, Minott DA, Pinnock S, Tennant PF, Jackson JC. "Physicochemical and biochemical characterization of transgenic papaya modified for protection against Papaya ringspot virus". *Journal of the Science of Food and Agriculture.* 94 (2014): 1034–1038.

**Books**

- Coates-Beckford, PL and Tennant PF. *Plant Disease: The Jamaican Experience*. University of the West Indies Press, Kingston, Jamaica, 2013. 628 pp.

**Non-Refereed Journal**

- Mitchell, S.A. "Jamaican ethnomedicine and pharmacognosy: Do you have the right plant and in enough quantity for research? And to support new industries?" *The Chemist.* 1, 2 (2014): 19–23.

**GRANTS/INCOME GENERATION**

- Grand Challenges Canada Grant No. 0389-01 for performance of

research entitled "A Simple Yeast-Based Blood Screening Assay" was approved by the University of Toronto reference number: 495700-Subgrant 1, 2013–2015, (CAD$33,900). Dr. Marcia Roye will represent the Centre in the execution of this international project.

- The Caribbean Herbal Business Association (CBHA) awarded the sum of Five thousand US Dollars (US$5000.00) to the Biotechnology Centre on July 14, 2014. The sum is a one-time grant towards CHBA Project #001/14 which was developed to create a portal through which Caribbean Herbal Businesses can exhibit their products, post business-relevant information, and allow the herbal businesses in the Caribbean to interact with the scientific, regulatory and business world. The project is also mandated to create a platform for advancing the research and development of ethnobotanical and herbal products along the value chain. The project duration is six months, and work is expected to start in September 2014 specifically on the incorporation of CHBA as a non-for-profit legal company, revamping the CHBA website, and the production of a historical CHBA e-book 2002–2010. The CHBA-Jamaica Chapter, a local company, as well as the Mona Institute for Research and Innovation will be helping us with the execution of this project.

## AWARDS

- The Yam Biotechnology research group, led by Professor Helen Asemota, received the FMS 'Most Outstanding Research Award' for the 2014 Research Day awards, for 7 high impact Journal Publications during the 2012–13 academic year. It was noted that their research resulted in the first USA patent approved for UWI.
- The Biotechnology PhD Thesis titled "Chemical modification of yam (Dioscorea sp.) starches and their potential use in pharmaceutical formulations" by Dr. Alexia Harvey was selected by the Campus Committee for Graduate Studies and Research as the "most outstanding thesis" for the 2012/13 academic year. Alexia Harvey, a postgraduate student of Professor Helen Asemota et al., received the award on Thursday, March 13, 2014 at the Mona Visitors' Lodge.

- Biotechnology PhD student, Ms. Racquel Wright, supervised by Asemota et al., received an NIH (National Institute of Health) Research Fellowship to facilitate her studies on Moringa antioxidants and their possible use in reducing oxidative stress in Sickle Cell anaemia.

## PUBLIC SERVICE

**Professor Helen Asemota**

– Ordained Reverend – Holiness Christian Church of Jamaica, and a Pastor at the Rose Town Kingston Branch.

– Chairman and Co-Founder of the Imade Asemota Foundation for Sickle Cell Research and Patients' Welfare (IAF), North Carolina, USA.

– Curriculum Reviewer, Ministry of Education. Jamaica.

**Dr. Sylvia Mitchell**

– Member, Caribbean Access and Benefit Sharing (ABS) Development Initiative Steering Committee

– Member, Society for In vitro Biology – Education Chair, and Co-Editor of In vitro Report

– Member, Management Board, College of Agriculture and Science Education (CASE)

– Member, Standards Council, Standards and Technical Sub-Committee, National Quality Awards, and Chair of the Board of Examiners, Bureau of Standards of Jamaica (BJS)

– Member, Hope Garden's Education and Research Sub-Committee, NPF

# THE HUGH WYNTER FERTILITY MANAGEMENT UNIT

**Professor Joseph Frederick**, OJ, CD, MBBS, DM (O&G), FRCOG, FACOG
**Head of Department**

## OVERVIEW

The Hugh Wynter Fertility Management Unit (HWFMU) having completed its major expansion was officially re-opened by the Prime Minister of Jamaica, The Most Honourable Mrs. Portia Simpson Miller on November 22, 2013. The UWI Vice Chancellor, Professor E. Nigel Harris and the Minister of Health the Hon. Fenton Ferguson underscored the importance of the expansion for teaching, research and service delivery beyond the borders of the UWI and Jamaica.

With the physical expansion completed the Unit is focusing its efforts on implementing the other aspects of the strategic plan to increase the clinical services, training activities and research projects. The demand for new and additional skills to support the clinical service and telemedicine is being addressed through recruitment, on the job and external training.

Several new initiatives were undertaken by the Unit. The first telemedicine broadcast was made from the new lecture theatre in which the Single Virtual University Space (SVUS) was launched by the UWI Vice Chancellor Professor E. Nigel Harris. The broadcast was done in collaboration with Caribbean Knowledge and Learning Network (CKLN) using the region's only dedicated research and education network, C@ribNET to medical students and faculty at the Open Campus sites in Trinidad and Tobago and Barbados through Jamaica Research and Education Network (JREN).

Two other broadcasts were made, one in January 2014 when HWFMU joined the Forty Eighth (48th) Special Meeting of the Council for Trade and Economic Development (COTED) Information and Communication Technologies Meeting held in Grenada and presented on its telemedicine facilities and its role in enhancing teaching and learning in the Caribbean. The other was in June 2014 when CKLN convened a Symposium on Dengue Fever Management in the Caribbean for clinicians and researchers in the Caribbean and Latin America. It is anticipated that the cross border use of the facilities will expand significantly in the coming year.

To increase the Unit's public profile a monthly one hour radio programme was developed and hosted on Nationwide News Network in June 2004 to share information on the sexual and reproductive health issues and services and programme activities.

The Unit completed and launched the book entitled *Sexual and Reproductive Health in Jamaica* in which several authors addressed its medical, ethico-legal and social perspectives. It catalogues information that is useful for a wide cross section namely, policymakers, service providers, teachers and students.

The Unit will continue to work on settling in while pursuing new programmes and collaborations and revising its operating protocols to achieve greater efficiency and effectiveness in meeting its goals.

## CLINICAL SERVICES

**Table 1**. Surgeries and procedures performed in the Clinic

| Procedures | Number |
|---|---|
| Oral Contraceptives | 487 |
| Depoprovera injection | 1,909 |
| Jadelle implant | 22 |
| IUCD | 101 |
| Tubal Ligation | 15 |
| Vasectomy | 3 |
| Diagnostic Laparoscopy | 46 |
| Diagnostic Hysteroscopy | 183 |
| Cyst aspiration | 5 |
| Operative laparoscopy | 118 |
| Operative hysteroscopy | 30 |
| Myomectomy | 9 |
| Hysterectomy | 7 |

This report shows an increase in all endoscopic surgery during the last year.

There is a significant decrease in most Family Planning Methods.

Implants are unavailable since August 2013.

Tubal Ligation decreased because of the change from local Anesthetic to general which attracted an increase in cost.



Back to Table of Contents

**Table 2.** Assisted Reproductive Technology

| Procedures | Number |
|---|---|
| Couples Registered | 133 |
| Egg Recoveries (IVF/ICSI) | 113 |
| Embryo Transfers | 103 |
| Pregnancies | 29 |
| Egg Sharers/ Egg Donor Recoveries | 12 |
| Egg Sharers Embryo Transfers | 11 |
| Egg Sharer Pregnancies | 5 |
| Recipient Cycles | 11 |
| Recipient Embryo Transfers | 10 |
| Recipient Pregnancies | 2 |
| Patients with Embryos Cryopreserved | 29 |
| Frozen Embryo Transfers | 18 |
| Semen Analysis Performed | 235 |
| Intrauterine Inseminations | 28 |

## TRAINING

The Training department contributes to the development of the skills and competencies of a wide cross-section of professionals throughout the English–speaking Caribbean by means of targeted training interventions. The present focus of the department is on conducting the Masters in Counselling Programme by a blend of Face-to-Face teaching and Computer-Mediated Instruction.

The following courses were offered from September 2013 to December 2013:

- COUN 6110: Person-Centred Counselling
- COUN 6113 Professional Issues Part 1
- COUN 6207 Practicum 1, COUN 6300 Practicum 5 and COUN 6302 Practicum 6.
- COUN 6113 Professional Issues Part 1: Ethical and Legal Issues Re-Sit
- COUN 6208 Vocational Counselling Re-Sit
- COUN6301 Research Project

The following courses were offered from January 2014 to May 2014:

- COUN 6106: Quantitative Research Methods
- COUN 6111: Existential Counselling for Individuals
- COUN 6115: Practicum 2
- COUN 6110: Person-Centred Counselling Re-Sit
- COUN 6113: Professional Issues Part 1: Ethical and Legal Issues Re-Sit.
- COUN6301: Research Project

The following courses were offered for Summer School July 2014:

- COUN 6112: Personal Growth Groups
- COUN 6208: Vocational Counselling
- Sexuality Workshop (one day only)

## GRADUATION

Five (5) students will be awarded the M.Sc. Counselling Degree as follows:

**Table 3** Graduates for 2014

| Site | Number |
|---|---|
| Belize | 1 |
| Mona | 1 |
| Trinidad | 3 |

## MAJOR CONFERENCES/SEMINARS

- Dr. Vernon DaCosta attended the American Association of Gynaecologic Laparoscopists (AAGL) Conference in Washington D.C. November 2013
- Dr. Shaun Wynter attended the American Society of Reproductive Medicine (ASRM) Conference in Boston, October 2013

## PUBLICATIONS

**Frederick S,** Frederick J, Fletcher H, Reid M, Hardie M, Gardner W. "A trial comparing the use of rectal misoprostol plus perivascular vasopressin with perivascular vasopressin alone to decrease myometrial bleeding at the time of abdominal myomectomy."Fertil Steril. 2013 Oct;100(4):1044-9. doi: 10.1016/j.fertnstert.2013.06.022. Epub 2013 Jul 19.

**Frederick J**, Hamilton P, Meade J. "*Sexual and Reproductive Health In Jamaica: Medical. Ethico-legal and Social Perspectives"* Pelican Publishers Limited 2013.

## PUBLIC SERVICE

**Frederick, Joseph, Professor**

– Board Member, British Virgin Islands Healthcare Services Authority

– Member, Caribbean Initiatives of Planning Committee of Planned Parenthood

– Member, Pacesetters Toast Masters Club

**Hamilton, Pansy**

- Board Member, The Mico University College
- Board Member, Caribbean HIV/AIDS Alliance
- President, Jamaica Association of Health Service Executives
- Executive Member, YWCA Jamaica
- Member, Churches Emancipation Committee for the Annual Emancipation Lecture

**Jackson, Elaine**

- Director and Executive Producer, UIWAIS House of Worship Ministry
- Member, Board for August Town Primary School
- Member, Jamaica Association of Composers, Authors and Publishers (JACAP)
- Member, Jamaica Association of Health Service Executives

**Meade, Joan**

- Leo Advisor, Lions Club of St. Andrew Central

**Williams, Lillith**

- Member, The International Association for Counselling

**McKenzie, Claudette**

- Member, Jamaica Association of Health Service Executives

**Carroll, Kamali**

- Member, Jamaica Association of Health Service Executives

**Forbes-Blake, Veronica**

- Member, Jamaica Association of Administrative Professionals

**Ingram, Neila**

- Board Member, Jamaica Council of Churches

**Gill, Ileen**

- Member, Jamaica Association of Administrative Professionals

# THE NATURAL PRODUCTS INSTITUTE

**Dr. Rupika Delgoda** (D.Phil. (*Oxon*), B.Sc. (Hons.))
**Executive Director**

## WORK OF THE INSTITUTE

The Natural Products Institute (NPI), which operates as a collaborative, multidisciplinary research institute in the Faculty of Science and Technology, has as its mission, the development of natural products. Towards that end, the NPI strives to enhance the compilation of biological, chemical, toxicological profiles of natural products, thereby increasing their effective value and safe use, in multiple applications. The year 2013–2014 saw the achievement of a significant milestone, as a decade long effort came into fruition, in the launch of a dedicated cytotoxicity, anti-cancer screening laboratory. The facility which was opened by the Minister of Health, the Honourable Fenton Ferguson, at a public ceremony, is aimed at investigating cancer treatment and preventive value of Jamaican (and eventually Caribbean) natural products, from various sources including terrestrial, marine and microorganisms.

NPI celebrated as Dr. Trevor Yee and Dr. Simone Badal received national and international recognition for their work, being awarded the Musgrave Bronze Medal for natural product research and Elsevier early career woman scientist in Chemical sciences for the Caribbean and Latin America, respectively. Ms. JeAnn Murray (M.Phil. candidate) received the American Foundation for the University of the West Indies scholarship. Members of NPI also received recognition at the Principal's research day awards as well as at the Faculty awards day, under several categories, which are detailed in the awards section below.

NPI members and friends gathered together to bid farewell to Dr. Yee, our former Head who plans for retirement in the coming year. While NPI had two temporary posts approved for this year, it looks forward to the recruitment of more permanent members (with the support from the Principal of UWI, Mona), which will allow significant growth and output.

The year has also seen the formalization of multiple, internal procedures and protocols, and also the launch of a monthly journal club and seminar series, which have been successful with full participation by staff and graduate student members. During the year, NPI has also hosted the Biotech R&D Institute to carry out their scientific studies.

## PAPERS PRESENTED

### Key note presentations:

- **Delgoda R,** "Research: the platform for participation in global development", Northern Caribbean University, Science Symposium, 11th March, 2014, Mandeville, Jamaica.

### Oral and poster presentations

- **Francis S**, "Plant & Marine based extracts inhibition of Mosquito CYPs", delivered at Liverpool school of medicine, Liverpool, U.K., August 2013 (oral presentation).

- **Badal S**, Hunang G, Vedantam P, Francis S, Davis W, Brantley E, Tzeng J, Jacobs H and Delgoda R, "Potential anti-cancer and chemopreventive properties of Jamaican natural products". Presented at the 3rd Cell Biochemistry and Biophysics (CBB) conference held in Toronto, Canada. September 16th–17th 2013 (oral presentation)
- Badal S, Hunang G, Vedantam P, Francis S, Davis W, Brantley E, Tzeng J, Jacobs H and **Delgoda R**, "Glaucarubulone glucopyranoside, a natural quassinoid inhibits procarcinogen bioactivating CYP enzymes *in vitro* and displays potent impact on breast cancer cell proliferation", International Society for the Study of Xenobiotics (ISSX), held in Toronto, Canada, 29th September–4th of October 2013 (poster presentation).
- **Delgoda R**, "Use of drug metabolising enzymes as therapeutic targets", Society for Scientific Advancement", 2nd annual meeting, Mona, Jamaica, 22nd November, 2013 (oral presentation).
- **Badal S,** Delgoda R, "Screening Jamaican natural products for anticancer and chemopreventive properties", CARISCIENCE meeting and AGM: November 14–16, 2013, Ocho Rios, Jamaica (oral presentation).
- **Picking, D.**, Mitchell, S., Delgoda, R."The Contemporary Use of Medicinal Plants in Jamaica & *In-Vitro* Assessment of Potential Herb-Drug Interactions & Chemopreventive Properties of Select Plants", 25th Mona Symposium, Natural Products & Medicinal Chemistry. Department of Chemistry, UWI, Mona, Jamaica, January 2014 (oral presentation).
- **Picking, D**. "Balancing the Risks & Benefits of the Use of Herbs, Vitamins & Foods for good Health."Caribbean College of Family Physicians Scientific Workshop. Kingston, May 2014 (oral presentation).
- **Badal S** and Delgoda R "*In vitro* testing: using cancer cell lines to aid drug development." 2014 University of Technology Health Professionals conference at the New Kingston Conference Centre. June 20th 2014 (oral presentation).

## PUBLICATIONS

### Refereed Journal Articles

- Penicooke N, Walford K, **Badal S, Delgoda R**, Williams L, Joseph-Nathan P, Gordillo-Roman B, Gallimore W, "Antiproliferative activity and absolute configuration of zonaquinone acetate from the Jamaican alga *Stypopodium zonale*", *Phytochemistry*, 87 (2013):96–101.
- **Badal S** and **Delgoda R,** "CYP1B1: Friend OR Foe? A critical review", *OA Biochemistry*, 1(1) (2013):8–15
- **Picking D, Delgoda R,** Boulogne I and Mitchell S, "*Hyptis verticillata* Jacq: A review of its traditional uses, phytochemistry, pharmacology and toxicology", *Journal of Ethnopharmacology*, 147 (2013): 16–41.
- **Badal S** and **Delgoda R,** "Role of the modulation of CYP1A1 expression and activity in Chemoprevention: A Mini Review", *Journal of Applied Toxicology*, (2014) doi: 10.1002/jat.2968. [Epub ahead of print].
- **Francis, S** and **Delgoda, R** "Patent reivew on the development of cytochrome P450 inhibitors", *Expert Opinion on therapeutic patents,* 24(6), (2014): 1–19.
- **Badal S**, Collins-Fairclough A, Stewart C, Smith K, "Potential for naturally-derived therapeutics: The Caribbean as a Model. Insights from the Conference on Therapeutics & Functional Genomics". *Expert Opinion on Biological Therapy*, 14, (2014): 1–4,
- Lowe H, Watson C, **Badal S,** Toyang N, and Bryant J. "Unearthing the medicinal properties of Tillandsia recurvata (ball moss): A mini review". *European journal of medicinal plants*, 4 (2104): 1138–49
- Lowe H, Watson C, **Badal S**, Toyang N, and Bryant J. "Promising efficacy of the Cola acuminata plant: A mini review". *Advances in Biological chemistry*, 2 (2104): 240–45.

### Media

**Picking, D.** Television Jamaica, All Angles with Dionne Jackson-Miller. Potential for nutraceuticals in Jamaica with particular focus on *Petiveria alliacea* (Guinea Hen Weed). 14th May 2014. www.televisionjamaica.com/Programmes/AllAngles.aspx/Videos/34728

### Patents Filed

**Delgoda R, Badal S,** et al filed a US patent application (PCT/US2014/040375) May 2104, for natural compounds with cancer preventive properties.

## INCOME GENERATION

**Delgoda, R** and Lindo, L, Grant by Forest Conservation Fund (J$11.95M) was extended by one year. Project entitled, "Bioprospecting Forest Medicinal Plants for the Development of a Nutraceutical Industry: Aiding alternative livelihoods projects: Grant FCF/PP/09/01/011"

## PUBLIC SERVICE

**Simone Badal**

– Science Policy chair, Society for Scientific Advancement (SoSA)

**Rupika Delgoda**

– Co-Licencee and organizer of TEDxJamaica
– Member, International Society for Study of Xenobiotics
– Member, American Society for Pharmacognosy
– Executive committee member, Jamaica Sri-Lanka Friendship Association

**Sheena Francis**

– Member, Caribbean Diaspora for Science, Technology and Innovation (CADSTI)
– Organiser for Sagicor Visionaries Competition

**Trevor H. Yee**

– Treasurer, the International Society for the Development of Natural Products (ISDNP).

– Executive Committee, the Natural History Society of Jamaica (NHSJ).

## AWARDS

- The American Foundation for the University of the West Indies scholarship was awarded to **JeAnn Murray** (M.Phil. student), August 2013.
- Bronze Musgrave Medal for Natural Products Research, awarded by the Institute of Jamaica, October 2013: awarded **Dr. Trevor Yee.**
- Elsevier Early Career Woman Scientist in Chemical Sciences for the Caribbean and Latin America region; **Dr. Simone Badal**, Presented at the 2014 AAAS meeting in Chicago, February, 2014.
- Winner of Mona Principal's Research Award for 2013: for Research Project with the Greatest Business/Economic/Development: **Trevor H. Yee**, Ruby Lisa Alexander-Lindo,Denise Daley-Beckford, and Paul Reese.
- Winner of Mona Principal's Research Award 2013: for Best Research Paper entitled, "Antiproliferative activity and absolute configuration of zonaquinone acetate from the Jamaican alga *Stypopodium zonlae*": Penicooke N,Walford K, **Badal S**, **Delgoda R**, Williams LA, Joseph-Nathan P, Gordillo-Romn B, Gallimore W.
- Impact in the Faculty of Medical Sciences for 2013. "Novel Treatment of Hyperglycaemia and Hypertension, High Blood Sugar Levels and High Blood Pressure, in Rat Models". March 2014, Faculty of Science and Technology Awards. Winner of the award for the Research project with the greatest Business/Economic/Development Impact for 2013. **Trevor H. Yee**, Ruby Lisa Alexander-Lindo,Denise Daley-Beckford, and Paul Reese.
- Impact in the Faculty of Science and Technology, Mar. 2014,

Faculty of Science and Technology Awards; Penicooke N,Walford K, **Badal S, Delgoda R,** Williams LA, Joseph-Nathan P, Gordillo-Romn B, Gallimore W.

## STUDENT MATTERS

- David Picking, Ph.D. candidate. Successfully upgraded from M.Phil.to PhD, on 25th October 2013, and submitted his thesis in April 2014, entitled, "The Contemporary Use of Medicinal Plants in Jamaica & Assessment of Potential Herb-Drug Interactions & Chemoprotective Properties of Select Plants". (Supervised by Delgoda R and Mitchell S).
- JeAnn Murray, M.Phil. candidate submitted her thesis, entitled, "The inhibition of human Cytochrome P450 enzymes by local herbs, natural and synthetic isolates" in April 2014.

# TROPICAL MEDICINE RESEARCH INSTITUTE

**Professor Susan Walker**, BSc *Bristol*, MSc, PhD *Lond*
**Director**

## OVERVIEW OF THE DEPARTMENT

The Institute comprises of the Epidemiology Research Unit (ERU), Sickle Cell Unit (SCU) and Tropical Metabolism Research Unit (TMRU) on the Mona campus, and the Chronic Disease Research Centre (CDRC) at Cave Hill. This report covers the Mona units with the report for CDRC submitted to the Cave Hill Principal. The TMRI continues to contribute substantially to the 2012–17 Strategic Objectives of the UWI with key areas being Research and Innovation, Graduate Studies, Income source diversification and Outreach through Clinical Services.

## ACADEMIC PROGRAMMES

The Institute offers Masters and Doctoral programmes in Nutrition and Epidemiology. In the 2013–14 academic year the MSc Epidemiology was offered and the MSc Nutrition will be offered in the coming year.

Visiting faculty members from St. Georges University, The University of Manchester, Centres for Disease Control and Prevention and the University of Arizona contributed to the MSc Epidemiology and their visits allowed for the development of collaborations.

We also coordinate the nutrition module for the MBBS programme and members of staff teach on several other courses within the MBBS, as well as the MPH and DrPH programmes and supervise of DM candidates. We have active collaborations with the Faculty of Medical Sciences in research training for staff through the FMS-TMRI research fellowships which involves a two-year placement of FMS faculty in the TMRI for training in research with the objective being to conduct and publish a research project. The fellowships continue to be successful and help to strengthen research capacity and build collaborations with other departments. Our Annual Research Skills Workshops (Basic and Advanced) were delivered in July with increased attendance as a result of changes made to the timing and delivery of the lectures. Staff at the ERU also conducted a workshop on the WHO/TDR Effective Project Planning and Evaluation (EPPE).

## CLINICAL SERVICE

The Institute provides significant outreach to communities through clinical service. The Sickle Cell Unit (SCU) operates the only comprehensive facility for the care of persons with Sickle Cell Disease (SCD) in the English speaking Caribbean, as well as monthly clinics in Black River and Montego Bay. The SCU also operates neonatal screening for the South East region with discussions underway with the Ministry of Health to provide training and technical support for island-wide screening. This is coordinated by a joint working group comprising the Ministry of Health, the SCU and the Sickle Cell Trust. The objectives are to establish island wide screening and improve access to quality early childhood care for SCD patients.

During this year resources were obtained from Sagicor and the Government of Brazil for the SCU newborn screening programme to purchase essential

equipment. The Sickle Cell Unit also conducted a summer Teen Camp for children with SCD, aimed at increasing knowledge of the disease and their ability to cope with living with a chronic disease, especially at an age when they begin to assume more responsibility for self-care. The TMRU provides in-patient care for children with severe under-nutrition, and subject volunteers of various clinical trials and experimental studies, and provides nutritional consultations for hospitalized patients. The nutrition consultation service is currently being expanded to include fee paying services in areas such as body composition analysis and weight management. Staff from all three units provide specialist clinical services to the UHWI serving in several outpatient clinics such as internal medicine, hypertension, diabetes, endocrinology and pulmonology.

## RESEARCH AND PUBLICATIONS

We continue to review our research programmes through annual scientific meetings. The 2013 meeting was held December 10-11, and was attended by two members of our advisory group, Professor Alan Jackson (University of Southampton) and Professor Nishi Chaturvedi (University College, London). The meetings contribute to the quality of the research programmes and assist with identifying opportunities for collaboration. The main research programmes are Human Nutrition and Metabolism, Endocrinology, Genetic underpinnings of Disease Susceptibility and Severity, Sickle Cell Disease, Child Development, Chronic Non-Communicable Diseases –Surveillance, Epidemiology and Interventions, Inflammation and Wound healing. Collaboration across units and research programmes continues to be strengthened. The NIH funded USA-Caribbean Alliance for Health Disparities Research (USCAHDR) is a major collaborative project between the ERU Chronic Disease Group, CDRC at Cave Hill and the Sullivan Alliance for Health Disparities, USA.

The Caribbean Branch of the USA Cochrane Collaborating Centre (CBUSCC) which was launched in June 2013 is based at the Epidemiology Research Unit. In the current academic year a Cochrane Author Training Workshop was held with support from the US Cochrane Centre at



Back to Table of Contents

Johns Hopkins University. The CBUSCC also has a number of systematic reviews in progress in collaboration with faculty at TMRI and the wider FMS.

Staff of the Institute has obtained grant funds to support research from a variety of agencies, with significant funding from Grand Challenges Canada, NIH, the Wellcome Trust, Sagicor and the Government of Brazil. Additional training and mentorship for staff in writing grant proposals is needed as well as continued strengthening of UWI's grant administration support. Investment in this by the UWI will be critical for achievement of the Strategic Objective, Income source diversification.

## PUBLIC SERVICE

Staff members contribute leadership in numerous professional organisations and provide technical advice to the Ministries of Health and Education. Several staff members also serve on committees in national and regional institutions and international agencies. Details are listed under Public Service below.

## PAPERS PRESENTED

- Aiken W., Dillard P., Dubroy T., Goldmon M., **Younger N.**, **Francis D.**, Morrison B., **McFarlane S.**, "Prostate cancer knowledge of Jamaican men age 40 or older diagnosed with prostate cancer." Faculty of Medical Sciences, Annual Research Day, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona, November 7–8;, 2013. Oral presentation.
- **Asnani M.** "Pregnancy in Sickle Cell Disease." Invited lecture to Mandeville Regional Hospital's 13th Annual O+G Conference. Golf View Hotel, Mandeville, Jamaica. May 26, 2014.
- **Badaloo A.** "Management of severe malnutrition." International Paediatric Association pre-congress workshop on the Management of Malnutrition, August; Australia: Oral Presentation; 2013.
- **Badaloo A.** "Body Composition and Catch-up in Height after

Treatment of Malnourished Children." International Symposium on Understanding Moderate Malnutrition in Children for Effective Interventions May, 2104, Austria: Poster Presentation.

- **Badaloo A**. "Body composition assessment during rehabilitation of malnourished infants and children in a clinical setting." 20th International Congress of Nutrition, September 2013, Spain: Poster Presentation
- **Baker-Henningham H.** "Reducing inequalities and improving developmental outcomes for young children in low and middle income countries." Centre for Evidence Based Early Intervention Annual Conference, April, 2104, Bangor Wales: Oral Presentation.
- **Bhatt K.** "Body Image and Depressive Symptoms in Jamaican Adolescents with Sickle Cell Disease." Presented at the: Dying to be beautiful? Body Image, Eating Behaviours and Health In the Caribbean Conference, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona, June 28, 2014; Oral Presentation.
- **Boyne M.** "Case study in bioethics: Decision-making, consent and competency." FMS 22nd Annual Research Conference – Grey Matters in Medical Ethics workshop; UWI Mona, November 4, 2013.
- **Boyne M.** "Fat genes: the origin of obesity in the Caribbean." The 2nd dying to be beautiful? Body image, eating behaviours and health in the Caribbean, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona, June 28, 2104; Oral Presentation.
- Clare-Pascoe N., Lee M.G., Murphy T., **Ferguson T.** "Clostridium difficile associated diarrhoea (CDAD) at the University Hospital of the West Indies over a six-year period." Faculty of Medical Sciences, Annual Research Day, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona, November 7–8, 2013, Poster Presentation
- Dubroy T., Aiken W., Dillard P., Goldmon M., **Younger N., Francis D.**, Morrison B., **McFarlane S.,** Martin K., Banks B., Mapp

J."A quantitative analysis of lifestyle practices of Jamaican men 40 and older with prostate cancer: A KAP study", Faculty of Medical Sciences, Annual Research Day, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona, November 7–8, 2103; Oral Presentation

- **Francis D.** "The Impact of Scientific Research on Nutrition Care." Nutrition Week, College of Allied Health and Nursing, Northern Caribbean University, Jamaica, March 24–27, 2014.
- **Francis D.** "Evidence-based Nutrition Care in Cardiovascular Diseases." Jamaica Association of Professionals in Nutrition and Dietetics Quarterly General Meeting, Cornwall Regional Hospital, Jamaica, March 7, 2014.
- **Francis D.** "Conducting Systematic Reviews."University of the West Indies School of Nursing (UWISON) Annual Research Internship for Health Researchers, UWI Mona, June 2–27, 2014.
- **Francis D.** "Prostate Cancer in Jamaican Men, Issues and Challenges." Panel Discussion, 3rd Shaw University Health and Social Disparities Conference, Sheraton Downtown Raleigh, NC, September 18–20, 2013.
- **Francis D.** "Nutritional approach to Heart Disease: A review of the various diets." Faculty of Medical Sciences, Annual Research Day, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona, November 7–8, 2013.
- **Ferguson T.** "The Metabolic Syndrome in Jamaica and its Implications for Heart Disease." Faculty of Medical Sciences, Annual Research Day, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona, November 7–8, 2013.
- **Ferguson T**. "Prevalence of Chronic Kidney Disease among Patients with Diabetes Mellitus at UHWI." Renal Week Symposium. Nephrology and Hypertension Service, Department of Medicine, UHWI, Kingston Jamaica, March 14, 2014.

- F**erguson T.S., Tulloch-Reid M.K., Younger-Coleman N.O.**, Wright-Pascoe R.A., **Boyne M.S.**, Soyibo A.K., Wilks R.J. "Chronic Kidney Disease among Patients Attending a Specialist Diabetes Clinic in Jamaica." Faculty of Medical Sciences, Annual Research Day, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona November 7–8, 2013; Oral Presentation
- **Ferguson T.S., Younger-Coleman N.O., Tulloch-Reid M.K.,** Hambleton I.R., MacLeish M.Y., Hennis A.J., Wilks R.J., Harris E.N., Sullivan L.W., The US-Caribbean Alliance for Health Disparities Research (USCAHDR) Investigators. "Educational Health Disparities in Cardiovascular Disease Risk Factors in Jamaica: Findings from the Jamaica Health and Lifestyle Surveys." Faculty of Medical Sciences, Annual Research Day, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona, November 7–8, 2103; Oral Presentation
- Hanchard N., **Howell S.**, Forrester T., **Reid M.**, Belmont J.W., **McKenzie C.A.** "Edematous Severe Childhood Malnutrition is Associated with Wide-Spread DNA Hypomethylation." American Society of Human Genetics Annual Meeting, October, 2013; Boston: (**K. Marshall** presented paper at conference, however highlighted are the authors).
- Harris M., James K., **Ferguson T.S.**, Figueroa J.P. "Minimal improvement in management of diabetes in primary care in Jamaica, over two decades: A clinical audit." Caribbean Public Health Agency 59th Annual Scientific Meeting Renaissance Convention Centre, Aruba: May 1–3, 2104; Oral Presentation
- Ilonze A., Francis A., Hermer L., Goldmon M., Dubroy T., Aiken W., **McFarlane S., Younger-Coleman N.** "Prostate Cancer Knowledge and Quality of Life among Jamaican Men." 10th Annual National Symposium on Prostate Cancer, Clark Atlanta University, March 16–19, 2014
- Kerr K.A., Chang S.M., Walker S.P., Wright A.S., Taveras E.M., **Tulloch-Reid M.K.** "Investigating the role of sleep duration and TV

time on infant overweight/obesity: A cross sectional study of Caribbean children." Faculty of Medical Sciences, Annual Research Day, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona, November 7–8, 2013; Oral Presentation

- **McFarlane S., Tulloch-Reid M.,** Bernard O., Mathurin C., Castillo A. "Diabetes in Caribbean Youth, International Society for Paediatric and Adolescent Diabetes 39th Annual Conference, Gothenburg Sweden; October, 2103; Poster Presentation.
- **McFarlane S.** "Strategies for Building and Maintaining Successful Research Partnerships." 3rd Shaw University Health and Social Disparities Conference, Sheraton Downtown Raleigh, NC, September 18–20, 2013.
- **McFarlane S.R., Younger-Coleman N.O., Francis D.K., Wilks R.J.** "Early Life Resiliency and Cardiovascular Risk Factors in Jamaican Adolescents 15–19 years." Caribbean Public Health Agency 59th Annual Scientific Meeting Renaissance Convention Centre, May 1–3, 2104; Aruba: Oral Presentation
- **McFarlane S.** "Prostate Cancer in Jamaican Men, Issues and Challenges." Panel Discussion, 3rd Shaw University Health and Social Disparities Conference, Sheraton Downtown Raleigh, NC, September 18–20, 2013.
- **Powell C.**, Mundy-Parkes E., **Francis D.** "Students' perception of a conditional cash transfer program which provides them with subsidized school lunches in Jamaica." IUNS 20th International Congress of Nutrition. Granada, Spain, September, 2103: Poster Presentation
- Sumner A.E., Thoreson C.K., O'Connor M.Y., Ricks M., **Tulloch-Reid M.K.**, Chung S.T., Lozier J.N. "A1C Combined with Fasting Glucose Is Superior to A1C Alone in the Detection of Glucose Tolerance Status in Africans." American Diabetes Association, 74th Annual Scientific Meeting, San Francisco, CA: June 13–17, 2014; Oral Presentation
- **Tulloch-Reid M.** "Pituitary Diseases: Common disorders of the

anterior pituitary: Recognizing the symptoms and the management of these patients in the GP's office," Caribbean College of Family Physicians, Alhambra Inn, Jamaica, January 26, 2014.

- **Tulloch-Reid M.** "Interpretation of Thyroid Function Tests." Caribbean Endocrine Society Workshop, Hyacinth Chen School of Nursing, Northern Caribbean University, Mandeville, Jamaica; October 27, 2013.
- **Tulloch-Reid M.** "Oral Agents in the Management of Diabetes." Caribbean Endocrine Society Workshop, Hyacinth Chen School of Nursing, Northern Caribbean University, Mandeville, Jamaica; October 27, 2013.
- **Tulloch-Reid M.K., Knight-Madden J.M.**, Samms-Vaughan M., Ashley D., McCaw-Binns A., Cruickshank J.K., Molaodi O., Harding S., **Wilks R.**J. "Early Life Social and Biological Determinants of Blood Pressure at 18–20 years old: the 1986 Jamaica Birth Cohort Study". Caribbean Public Health Agency 59th Annual Scientific Meeting Renaissance Convention Centre, May 1–3, 2104; Aruba: Oral presentation
- **Walker S., Chang S.,** Wright A., Osmond C., McGregor S. "Do early childhood experiences affect development in the next generation? The Jamaica Intergenerational Study". UWI/IDB Conference on Early Childhood Development in the Caribbean: Identifying Cost Effective Interventions, November 14, 2103; Kingston, Jamaica: Oral Presentation
- **Walker S.** "Putting child development at the heart of the health agenda." Grand Challenges Meeting, Rio de Janeiro, Brazil; October 28–30, 2013; Oral presentation
- **Walker S.** "Does iron supplementation benefit development in children under age 2?" Symposium on Iron and children: Implications for programs. International Congress of Nutrition, September 14–20, 2103; Granada, Spain: Oral Presentation
- Weeks N., Banks A., Kienka L., Dillard P., Dubroy T., Goldmon

M., **Younger N., Francis D., McFarlane S.**, Aiken W. "Health seeking behaviours of Jamaican men age 40 or older with prostate cancer." Faculty of Medical Sciences, Annual Research Day, Faculty of Medical Sciences Teaching and Research Complex, UWI Mona; November 7–8, 2013; Oral presentation

- Wilkin N., Smith S., Hermer L., Goldmon M., Dubroy T., Aiken W., **Younger-Coleman N., McFarlane S.**"Examining the Relationship between Attitudes and Health Seeking Behaviours of Jamaican Men with Prostate Cancer" Student Research Conference, Fayetteville State University, March 28–29, 2014; Poster Presentation
- **Wilks R.** "Chronic Non-Communicable Diseases (CNCDs): Alternate Paradigms for Enquiry and Intervention (Community Based Participatory Research)." Keynote Speaker: 12th William Dennis Memorial Lecture; UWI Mona, July 18, 2013.
- **Wilks R.** "Advancing the Population's Health- Shifting the Curve." "Diagnosing and Treating Communities: Planning the Nation's Health Outcomes." The University of the West Indies, Nassau, Bahamas, 7th Annual Research Conference, September 19–20, 2013.
- **Wilks R.** "Non communicable diseases. Important Gaps in the Region's Response to the CNCD Epidemic: thoughts on the way forward." Keynote Speaker: Ross University School of Medicine Research Day Symposium on Portsmouth Campus, Dominica, West Indies, January 24, 2014.
- **Wilks R.** "Dying to be Beautiful? Body Image, Eating Behaviours and Health in the Caribbean." "Facing the Childhood Obesity Challenge: getting the community involved." Keynote Speaker, Opening Ceremony. The Second Biennial International Conference: Faculty of Medical Sciences Teaching & Research Complex, UWI, Mona, June 27–29, 2014.
- Witting E., **Younger-Coleman N.,** Dillard P., Dubroy T., Goldmon M., Francis D., McFarlane S., Morrison B., Aiken W. "Correlates of Prostate Cancer Knowledge of Jamaican Men Age 40 of Older Diagnosed with Prostate Cancer" 10th Annual National Symposium

on Prostate Cancer at Clark Atlanta University, March 16–19, 2014; Poster Presentation

- **Younger-Coleman N.** "Communicating Effectively – Reporting Statistics to Non-Statisticians." The Jamaica Statistical Society – Monthly Members' Meeting, Faculty of Science and Sport Conference Room, University of Technology, Jamaica; June 6, 2014.
- **Younger-Coleman N.**, Riley C., Morrison E., **McFarlane S.** "A Culture Sensitive lay Diabetes Education Programme for adults with Type 2 Diabetes in Six Caribbean countries" World Diabetes Congress, December 2–6, 2103; Melbourne Australia: Poster Presentation

## PUBLICATIONS

### Books and Monographs

- **Asnani M.R.**, Quimby K.R., **Bennett N.R., Francis D.K.** "Interventions for patients and caregivers to improve knowledge of sickle cell disease and recognition of its related complications (Protocol)." *Cochrane Database of Systematic Reviews*, 2014; 6 DOI: 10.1002/14651858.CD011175. Available at: http://onlinelibrary.wiley.com/doi/10.1002/14651858.CD011175/abstract.
- **Badaloo A., Marshall K.** "Oxidative Stress in Childhood Severe Acute Malnutrition." In *Role of Oxidative Stress in Chronic Diseases.* Ed. By I. Dichi, J.W. Breganó, A.N.C. Simão, and R. Cecchini: CRC Press, 2014:349–372.
- **Francis D.K.**, Lazzarini P.A., **Ferguson T.S.**, Jen S.D., Cumberbatch C., Welch V. "Education of health professionals for preventing diabetic foot ulceration (Protocol). *Cochrane Database of Systematic Reviews* 2013, Issue 3. Art. No.: CD010433. DOI: 10.1002/14651858.CD010433.
- Supraha V., **Francis D.K.**, Utrobicic A., Choy E.H.S., Tenzera D., Kordic A. "Probiotics for fibromyalgia (Protocol)." *Cochrane Database*

*of Systematic Reviews* 2013, Issue 3. Art. No.: CD010451. DOI: 10.1002/14651858.CD010451.

**Refereed Journal Articles**

- Anderson M.E., **Tulloch-Reid M.K**. "She is trying her best, even though she gets on my nerves." The caregiver-child relationship in Jamaica." *Diabetes Spectrum* 26, 2(2013):131–136.
- **Asnani M.R., Bhatt K., Younger N., McFarlane S., Francis D.**, Gordon-Strachan G., **Reid M.E.** "Risky behaviours of Jamaican adolescents with sickle cell disease." *Haematology* 19, 7(2013); 373–379.
- **Asnani M., Reid M.** "Diagnostic accuracy of spot and timed measurements of albumin: creatinine ratios to determine microalbuminuria in sickle cell disease." *West Indian Medical Journal* 62, 9 (2013):808–816.
- **Asnani M., Reid M**. "Cystatin C: A useful marker of sickle glomerulopathy?" *Blood Cells, Molecules and Disease.* DOI: 10.1016/j.bcmd.2014.07.018.
- **Baker-Henningham H.** "Targeted, preventive interventions in primary school prevent mental health problems in adolescence." *Evidence Based Mental Health* 2014-101864. Published online first 30 July 2014.
- **Baker-Henningham H.** "The role of early childhood education in the prevention and promotion of child and adolescent mental health." *International Journal of Epidemiology* 43, 2(2014):407–433.
- Bhutta Z.A., Das J.K., Rizvi A., Gaffey M.F., Walker N., Horton S., Webb P., Lartey A., Black R.E. & the Nutrition Interventions Review Group, the Maternal and Child Nutrition Study Group. "Evidence-based interventions for improvement of maternal and child nutrition: what can be done and at what cost?" The Lancet, 382, 9890 (2013):452-477 (**S Walker** member Maternal and Child Nutrition Study Group).

- Black R.E., Victora C.G., **Walker S.P.**, Bhutta Z.A., Christian P., de Onis M., Ezzati M., Grantham-McGregor S., Katz J., Martorell R., Uauy R., and the Maternal and Child Nutrition Study Group. "Maternal and child undernutrition and overweight in low-income and middle-income countries." *The Lancet*, 382, 9890 (2013):427–451.
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- **Thompson D.S., Boyne M.S.**, Osmond C., **Ferguson T.S., Tulloch-Reid M.K., Wilks R.J.**, Barnett A.T., Forrester T.E. "Limitations of fasting indices in the measurement of insulin sensitivity in Afro-Caribbean adults." *BMC Research Notes* 7, 98(2014).
- **Thompson D.S., Ferguson T.S., Wilks R.J.,** Phillips D.I., Osmond C., Samms-Vaughan M., Forrester T.E., **Boyne M.S**. "Early life factors are associated with nocturnal cortisol and glucose effectiveness in Afro-Caribbean young adults." *Clinical Endocrinology* (Oxford). (2014). [Epub ahead of print].
- **Walker S.Y.**, Pierre R.B., Christie C.D.C., **Chang S.M.** "Neurocognitive function in HIV-positive children in a developing country." *International Journal of Infectious Diseases* 17, 10(2013):e862-e867.

**Non-Refereed Journal Articles**

- **Baker-Henningham H.,** López Boo F. "Intervenciones de estimulación infantiltemprana en los países en vías de desarrollo Lo quefunciona, porqué y paraquién Banco Interamericano de Desarrollo Protección Social y Salud." *NOTA TÉCNICA* # IDB-TN-540 (2013).
- Morrison E., **McFarlane M.**, Riley C., **Younger-Coleman N**. "Education to change the course of diabetes in the Caribbean." *Diabetes Voice* 59(2014):44.

**INCOME GENERATION**

1. Title: **Home Visiting Programs to Improve Early Childhood Development and Maternal Mental Health – Evidence from the Western Region Project**

   Funding Agency: Grand Challenges Canada

   Investigators: A. Brentani (University of Sao Paulo), S. Grisi, M. Simões, G. Fink, S. Chang-Lopez, C. Powell.

   Period of Award: 2014–2016

   Value of Award: CAN$ 250,000

2. Title: **Integrating a parenting intervention with routine care to improve early developmental outcomes in children with sickle cell disease**

   Funding Agency: Grand Challenges Canada

   Period of Award: 2014–2016

   Investigators: J. Knight-Madden, S. Chang-Lopez, M. Asnani, L. King, S Walker

   Value of Award: CAN$178,101.00

3. Title: **Expanding access to a proven early stimulation package through a web-based package and technical support**

   Funding Agency: Grand Challenges Canada

   Period of Award: 2013–2016

Investigators: S. Walker, C. Powell, S. McGregor, S. Chang, H. Baker-Henningham, M. Rubio-Codina & J. Hamadani

Value of Award: CAD$2 million

4. Title: **Promoting young children's social & emotional competence & preventing conduct problems: Follow-up of a cluster randomised controlled trial**

   Funding Agency: The Wellcome Trust

   Investigators: H. Henningham, S. Walker

   Period of Award: May 11, 2011–October 30, 2014

   Value: GBP351, 892.00

5. Title: **Inter-Generational Impacts of Early Childhood Experience**

   Funding Agency: Inter-American Development Bank

   Investigators: S. Walker, S. Chang, S. Grantham-McGregor

   Period of Award: November 2010–June 2014

   Value: US $150,000 and J$2,502,187

6. Title: **Pilot of parenting interventions in the Caribbean**

   Funding Agency: Inter-American Development Bank

   Investigators: S. Walker, S. Chang, C. Powell, H. Baker-Henningham, S. Grantham-McGregor, F. Lopez-Boo

   Period of Award: January 2011–June 2015

   Value: US $750,000

7. Title: **National Institute on Minority Health and Health Disparities Cooperative Agreement No.1U24MD006959-01, NIH**

   Funding Agency: USA-Caribbean Alliance for Health Disparities Research (USCAHDR)

   Co-investigator: E. Nigel Harris, R. Wilks, T. Ferguson, N. Bennett, N. Younger-Coleman, D. Francis, B. Collins

Period: 2011–2016

Value: US$4,799,063

8. Summer and other self-financing programmes

   Title: **PhD/MSc Epidemiology Programme** (Tuition 2014/2015)

   Contributing Staff: M. Tulloch-Reid, R. Wilks

   Value:$ 6,120, 000.00

   Title: Basic and Advance Research Skills Workshops

   Contributing Staff: N. Younger-Coleman, S. McFarlane

   Value:$ 713,000.00

   Programme: CBUSCC Systematic Review Workshop

   Contributing Staff: Professor M. Tulloch-Reid, D. Francis, N. Bennett

   Value: $ 105,263.61

9. Title: '**Know-It Study': An educational intervention to improve disease knowledge among adolescents with sickle cell disease.**

   Funding Agency: Principal's New Initiative Grant, University of the West Indies, Mona Campus

   Principal Investigator: A. Barton-Gooden

   Co- Investigators: J. Knight-Madden, M. Asnani, M. Grindley

   Period of Award: August 2013–2014

   Value: J$ 1.5 Million

10. Title: **Integrative Global Research on Sickle Cell Disease**

    Funding Agency: Bass Connections Grant, Duke University

    Investigator: M. Asnani

    Period of Award: July 1, 2014–June 30, 2015

    Value: US$ 25,000.00

11. **Title: Beneficiaries of Sagicor-Sigma Walk/Run/Wheel 2014**

    Funding Agency: Sagicor

    Contact: J. Knight-Madden, L. King

    Period of Award: Feb 2014–June 2015

    Value: J$7,500,000

12. Title: **Mutual Sickle Cell Agreement; Brazil, Jamaica, PAHO**

    Funding Agency: Ministry of Health, Brazil through PAHO

    Principal Investigator: J. Knight-Madden

    Period of Award: 2013–2015

    Value: US$180,000.00

13. Title: **A Phase II, Multicenter, Randomized, Placebo-Controlled, Double-Blind, 12-Month Study to Assess Safety and Efficacy of SelG1 With or Without Hydroxyurea Therapy in Sickle Cell Disease Patients with Sickle Cell-Related Pain Crises. (SUSTAIN)**

    Funding Agency: Selexys Pharmaceuticals

    Investigators: Jennifer Knight-Madden, Angela Rankine-Mullings

    Period of Award: 2013–2016

    Value: USD$100,000.00 (estimated, depends on patient enrolment)

14. Title: **A cost benefit analysis of early interventions in sickle cell disease**

    Funding Agency: Principal's Awards

    Investigators: T. Logan, A. Rankine-Mullings, J. Knight-Madden

    Period of Award: 2013–2015

    Value: J$1,500,000

15. **Title: Association between renal function and risk of cardiovascular disease in homozygous sickle cell disease**

    Funding Agency: Caribbean Public Health Agency

    Investigators: A. Bowers, M. Asnani, J. Knight-Madden

    Period of Award: 2014–2016

    Value: US$ 7,809

16. Title: **Expanding Treatment for Existing Neurological Disease (EXTEND). An open label Phase II clinical trial to investigate the effects of hydroxyurea on the TCD velocities of children with sickle cell anaemia and a conditional or abnormal pre-treatment TCD velocity.**

    Funding Agency: National Institutes of Health

    Principal Investigator: R. Ware, M. Reid

    Co-Investigator: J. Knight-Madden, C. Lobo, R. Adams

    Period of Award: 2014–2016

    Value: About USD$80,000

17. Title: **A longitudinal study of respiratory morbidity in a Jamaican Birth Cohort**

    Funding Agency: University of the West Indies, Principal's awards

    Principal Investigator: K. Bailey, Department of Child and Adolescent Medicine

    Co-investigators: J. Knight-Madden, M. Asnani, M. Grindley

    Value: J$1.5m

18. Title: **Chronic Illness in Jamaican Adolescents (CIJA)**

    Funding Agency: UNICEF

    Principal Investigator: A. Harrison-Kong, Department of Child and Adolescent Medicine

Co-investigators (SCU): J. Knight-Madden, M. Asnani, M. Tulloch-Reid, R. Pierre, S.Chang-Lopez, S. Clatoday-Scarlet, C. James, M. Walker

Period of Award: June 2014–2015

Value: USD$34,950

19. Title: **Non alcoholic fatty liver disease among adult survivors of severe childhood undernutrition**

    Principal Investigator: D. Thompson

    Funding Agency: Mona Campus Research and Publications Graduate Awards

    Value: US$3,000.00

    Funding Agency: Caribbean Public Health Agency (CARPHA)

    Value: US$10,000.00

20. Title: **Prevalence of disordered eating behaviours and attitudes in Jamaican Adolescents**

    Funding Agency: Caribbean Public Health Agency (CARPHA)

    Principal Investigator: A. Harrison-Kong, Department of Child and Adolescent Medicine

    Co-investigators (SCU): S. Chang-Lopez, S. Clatoday-Scarlet, C. James, M. Williams

    Period of Award: March 2014–March 2015

    Value: USD$6,030

## PUBLIC SERVICE

**Monika Asnani**

– Caribbean Representative: Worldwide Initiative on Social Studies in Hemoglobinopathies (WiSSH) since 2011.

– Caribbean College of Family Physicians: Honorary Secretary: 2006-–present

– Co-Chair, CME Committee. 2006–present

– Member, Accreditation & Certification Committee. 2006- Present

– Scientific Committee. 4th Annual Family Medicine Conference of Caribbean College of Family Practitioners. "Obesity: A 21st Century Epidemic – Impact and Interventions". Held in Kingston, Jamaica. Februaty 9, 2014.

– Executive Committee Member: Indian Cultural Society in Jamaica: July 2011–Present.

**Asha Badaloo**

– Voluntary nutritional consultant at Prema's free medical clinic at 10 Henderson Avenue, Kingston11, 2006–present.

**Nadia Bennett**

– Honorary Consultant Internal Medicine, University Hospital of the West Indies

**Komal Bhatt**

– Participated in Media promotions (radio and television) to increase awareness of Sickle Cell Disease:

– Radio talk show on Bess FM speaking on Sickle Cell Disease (2013)

– Television series 'The Teller 'on TVJ for Sickle Cell Awareness promotion (2014).

– News Talk FM – World Sickle Cell Day (June 17, 2014)

**Michael Boyne**

– Member, Board of the Diabetes Association of Jamaica

– Member, National Health Fund Expert Panel of Physicians.

**Susan Chang-Lopez**

– Malnourished Children's Foundation Board Director

– Early Childhood Commission (ECC)

– Research and Data Management Sub-committee Member – 2009 to present

**Trevor Ferguson**

– Member, National NCD Committee (Ministry of Health, Jamaica) 2011–present

– Member of Ministry of Health (Jamaica) Hypertension Guidelines Review Committee (2013–2014)

– Member of CARPHA (Caribbean Public Health Agency) Hypertension Guidelines Review Committee (2013–2014)

– Assistant Editor, *West Indian Medical Journal* (2011–present)

– Associate Editor, Cardiovascular Epidemiology section of Frontiers in Cardiovascular Medicine (published by Frontiers in partnership with Nature Publishing Group)

– Member, Review Editorial Board Frontiers in Diabetes section of *Frontiers in Frontiers in Endocrinology* (published by Frontiers in partnership with Nature Publishing Group)

– Staff Advisor to UWI branch of the University and Colleges Apostolic Ministries

**Damian K Francis**

– Standard and Regulations Committee Chair, Jamaica Association of Professionals in Nutrition and Dietetics (2012–present)

– Member, Council for Professions Supplementary to Medicine (2013–present)

– Co-Director, Caribbean Branch of the United States Cochrane Centre (2013–present)

– Member, Cochrane Centre and Branch Directors Committee (2014)

– Member, Cochrane and Campbell Equity Methods Group (2010–present)

– Member, The WHO Collaborating Centre for Knowledge Translation and Health Technology Assessment in Health Equity (2014–present)

– Director of Community Affairs, New Harbour Village II Citizen Association, Old Harbour St Catherine

**Jennifer Knight Madden**

– Ministry of Health: A working group to implement island-wide neonatal screening for sickle cell disease

– Vice President of Caribbean Network of Researchers on Sickle Cell and Thalassemia (CAREST)

– Co-chair of Sickle Cell Disease Working Group, Sick kids Caribbean Initiative

– Development of Public Service Announcements regarding sickle cell disease

**Shelly McFarlane**

– Project Manager, International Diabetes Federation – North American and Caribbean Region

– Member, University Diabetes Outreach Programme

– Member, The Obesity Society

– Member, International Society for Paediatric and Adolescent Diabetes

– Member, Ministry of Health Annual Research Conference Planning Committee

– Treasurer, Jamaica Statistical Society

– President, Kiwanis Club of Constant Spring

**Nadine Morrison-Levy**

– Executive Member of Paediatric Association of Jamaica

**Debbie Thompson**

– Jamaica Autism Support Association – Advocate/Parent Counsellor

**Marshall Tulloch-Reid**

- Consultant Physician and Endocrinologist, The University Hospital of the West Indies. Diabetes Clinic
- Member of the Jamaican Ministry of Health Expert Panel – to revise the Guidelines for the Management of Diabetes in Jamaica
- President, The Caribbean Endocrine Society
- Member, The Endocrine Society Research Affairs Core Committee (2012–present)
- Member, The WHO Collaborating Centre for Knowledge Translation and Health Technology Assessment in Health Equity
- Co-Director, The Caribbean Branch of the US Cochrane Centre
- Andrews Memorial SDA Church – Education Committee Member, Advisor to the Health Committee

**Suzanne Soares-Wynter**

- Board of Directors, Nutrition Products Limited. Ministry of Education, Youth and Culture (Government of Jamaica) School Feeding Division.
- Member, Audit Committee
- Member, Operations Committee
- Council for Professions Supplementary to Medicine, Ministry of Health (Government of Jamaica) – Registered Nutritionist
- Codex Committee on Nutrition and Foods for Special Dietary Uses (CCNFSDU) – Sub-committee on Nutrition and Foods for Special Dietary Uses – A Joint FAO/WHO Food Standards Programme of the Codex Alimantarius Commission.
- Academy of Nutrition and Dietetics – International Member
- Academy of Nutrition and Dietetics – Dietetic Practice Group (DPG) Member
- Research DPG
- Sports, Cardiovascular and Wellness Nutrition DPG

– Weight Management DPG

– Nutrition Entrepreneurs DPG

– American Overseas Dietetic Association (AODA)

**Susan Walker**

– Chair, Board of Trustees, Environmental Foundation of Jamaica Trust Fund

– Member, Advisory Committee on Health Research, Pan American Health Organization

– Member, Public Health Nutrition Advisory Committee, Caribbean Public Health Agency

– Steering Committee, Global Child Development Group

– Member, Forum on Investing in young children globally, The Institute of Medicine

**Rainford Wilks**

– Member, Board of Directors, Heart Foundation of Jamaica

– Member, Technical working group advising the Ministry of Health on the management of hypertension and diabetes mellitus

– Chairman, Gibson Relays Organizing Committee

– Member, PAHO/WHO Regional Expert Group charged with developing a population-based salt reduction strategy reduce cardiovascular disease

– Commissioner, Jamaica Anti-Doing Commission and member of the JADCO Technical Sub-committee

– Public Health Nutrition Advisory Committee (PHNAC) of the Caribbean Public Health Agency (CARPHA)

– Director, Healthy Caribbean Coalition (HCC)

# WESTERN JAMAICA CAMPUS

## Montego Bay

Year ending July 31, 2014

LUZ LONGSWORTH

BA, MBA *UWI*, MA *Queens*, DBA *Bath*

Campus Director



Back to Table of Contents

# – *Overview* –

The academic year 2013/2014 was characterised by a tremendous thrust to market the WJC aggressively among the target population in Western Jamaica. The Marketing and Communication Unit at WJC in collaboration with the Marketing and Communication Office at Mona, refined the strategy and focused on attending school and college fairs as well as accepting invitations from individual schools to present the campus' offerings to fifth and sixth formers. There was also an increased thrust by the Mona Recruitment office to highlight the WJC on their regional marketing trips. By the end of the year the effect of the marketing strategy was becoming evident as applications to WJC increased by 30% and acceptances were up by 50% over the previous year. Significantly, the campus also saw an increase in applicants from the other Caribbean countries which augurs well for the improved diversity of the campus community at WJC.

As part of the expansion strategy for UWI Mona in Western Jamaica a strategic partnership agreement with Barnett Estate Limited for the development of a new campus at Barnett Estate was signed in May 2014. It is anticipated that, along with the development of the Hartmont property as a Medical Sciences campus, the over 50 acres at Barnett Estate will see the Western Jamaica Campus expand to house over 6,000 students, with a strong focus on international students.

## WORK OF THE WESTERN JAMAICA CAMPUS

### Student Enrollment

The WJC student body was 736 registered students inclusive of students enrolled in the Mona School of Business and Management graduate programmes. (See Table 1 below).

**Table 1.** Registered Students 2013/2014 (Undergraduate and Graduate Programmes)

| Faculty | Registered Students |
|---|---|
| Humanities and Education | 91 |
| Law | 17 |
| Medical Sciences | 145 |
| Science and Technology | 6 |
| Social Sciences | 408 |
| Graduate Programmes | 69 |
| **Total** | **736** |

In addition to the formal registration figures, the WJC had approximately 70 students who were not in good financial standing and were forced to sit out the academic year.

### Graduating Class of 2014

One Hundred and Twenty Two (122) students graduated from the WJC in November 2014.

## PUBLISHED CONFERENCE PROCEEDINGS

- Anderson, R., Mansingh, G., "An intelligence based knowledge-driven decision support system for Social Protection programmes,"

SIG DSS Proceedings of the third BI Congress, ICIS 2012, Orlando Florida, December 2012.

## CONFERENCE PRESENTATIONS

- **Nicole Plummer and Steffon Campbell**, "Untold Stories: Using Oral History to Explore the Coral Gardens 'Incident', 1963" Oral History Network Conference, Talking about protest: Oral history methodology in social and political movements research , University of Warwick, September 20, 2013.
- Nicole Plummer and Steffon Campbell, "Untold Stories: Using Oral History to Explore the Coral Gardens 'Incident' as a Continuation of the Self Liberating Ethos of the Jamaican People", Rastafari Studies Conference, UWI, Mona, August 14, 2013.
- **Luz Longsworth**, "Business Competitiveness: A 21st Century Model for the Caribbean", Eastern Caribbean Central Bank, ECCU Business and Innovation Forum, Basseterre, St. Kitts and Nevis, October 22, 2013.
- **Luz Longsworth** "Distance, virtual/online learning in the Caribbean Context: The UWI Model", Annual Meeting of the International Association of University Presidents, Montego Bay, Jamaica, January 30–1, 2014.

## PUBLICATIONS

### Refereed Journal Articles

**Campbell, S.R.K.** "Thou shalt not be black: The subjugation of Negroes in the Caribbean through Christianity". *International Journal of Education and Research,* 1 (4) April (2013), 215–228.

## PUBLIC LECTURES AND OUTREACH

- In April of 2014, the WJC partnered with the School of Education in a one day Symposium entitled: "The Implementation of STEM:

Opportunities and Challenges." Over 300 students and teachers from Western Jamaica attended the forum which was also accompanied by an exhibition featuring companies such as JPS E-Store, National Water Commission, Port Authority of Jamaica among others.

- In May of 2014 the WJC, Mona School of Business, Montego Bay Chamber of Commerce and Industry and the Caribbean Maritime Institute, held a highly successful Symposium entitled "The Logistics Hub: Implications for Western Jamaica." The symposium attracted a full house for both the panel discussions and the keynote lunch speaker who was Professor Gordon Shirley, CEO and Chairman of the Port Authority of Jamaica.

Other public lectures and fora held during the year included the following:

- "The Reparations Debate in the Caribbean" by Professor Verene Shepherd
- "Peter Tosh Poet and Philosopher" by Dr Clinton Hutton
- "Sacred Science the Integral Paradigm of Ancient Egypt" by Mr. Patton Duncan
- "A Social Sciences Approach to Environmental Protection" by Professor Harold McDougall
- "Sustainable Development with Social Business" by Professor Harold McDougall
- "The Importance of the Pinnacle Debate"by Ms. Doneshia Prendergast

## FINANCIAL ASSISTANCE TO STUDENTS

The WJC collaborated with the Montego Bay City Run Committee to stage the first annual 5K/10K Run/Walk in May 2014. This was a fundraiser to provide scholarship funding for students in tertiary institutions in Western Jamaica including the UWI Mona WJC. The event was highly successful and the campus received J$1.2 million to be distributed to students for financial assistance in paying tuition fees.

## INCOME GENERATING ACTIVITIES

The WJC sought to increase its financial stability through various strategies, namely:

- Increasing the use of the physical plant to generate additional sources of revenue. The plant was used extensively by groups such as the CXC office, the Nursing Council and various private and public sector groups that hosted seminars, workshops and other ceremonies on the property. This has resulted in the generation of over $2 million in funds.
- Continued efforts in offering short courses which included the expansion of the Spanish language programme at Secrets Hotel and Spas as well as Spanish and Mandarin classes were offered during the summer to the public. This resulted in raising approximately $600,000.00 of additional revenue.

In addition to raising funds, the campus also embarked on several cost saving measures which included:

- Replacement of all incandescent light bulbs by LED or fluorescent lighting.
- Constant monitoring and replacement of leaky faucets and other bathroom fixtures
- Installation of a back-up water supply system for the campus

## PUBLIC SERVICE

In April 2014, the Director of the Campus, **Dr Luz Longsworth**, was re-elected to the Board of Directors of the Montego Bay Chamber of Commerce and Industry for a second term of office, having been first elected in May 2013.

## SUMMARY

The University of the West Indies, Mona Western Jamaica Campus continued to expand its presence in Western Jamaica and to establish a

position of leadership in the tertiary landscape. Indications are that the new student intake for the academic year 2014/15 will exceed the targeted 25 % increase as more students from Western Jamaica make the WJC their first choice for tertiary education. As the numbers grow, the challenges of space and plant management will also grow. While we await the construction of the new campus, accommodation of our growing student numbers will be a priority including both classroom and dormitory facilities. There has already been an effort to increase our teaching and administrative space through leasing of additional rooms in an adjacent building which should help to ease the pressure on the current facilities. Expanding the number and scope of programmes offered will also have to be an imperative for the remaining three years of the strategic plan, requiring close collaboration with Departments and Faculties at Mona. Finally, the constant challenge of funding for tuition fees is one that the WJC will also have to face as more students have difficulties in funding their education. In that regard, increased efforts to fund scholarships and student financial assistance programmes will be a priority for the campus.



Back to Table of Contents