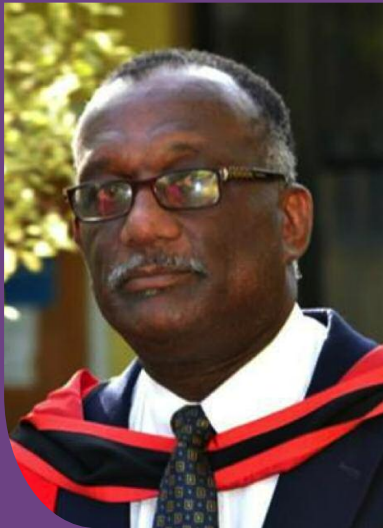


FACULTY OF MEDICAL SCIENCES

Mona

Year ending July 31, 2013



PROFESSOR HORACE FLETCHER

MB, BS, (O&G), FRCOG, FACOG

Dean

– *Dean's Overview* –

For the review period, academic year 2012/2013, the Faculty of Medical Sciences (FMS) maintained its objectives by continuing to deliver quality education and services, despite the challenges encountered. Furthermore, the Faculty continued its drive to maintain/increase enrollment and expand its clinical sites.

The FMS gained significant successes over the past year in relation to the expansion of teaching to external clinical sites which now includes the May Pen Hospital (for both MBBS and DM programmes). The BSc Nursing and BBMedSci programmes underwent successful curriculum reviews, with similar steps to be taken for the MBBS, BSc Physical Therapy, and BSc Diagnostic Imaging (Radiography) programmes.

Following the full accreditation of the MBBS programme at Mona in May 2012, the Faculty is preparing for the accreditation of the UWI School of Nursing by the Nursing Council of Jamaica. The Caribbean Accreditation Authority for Medicine and other Health Professions (CAAM-HP) is also expected to accredit the programme. The Doctor of Dentistry (DDS) programme has made numerous submissions to the CAAM-HP subsequent to a site visit which was facilitated in March 2013. Full accreditation of the programme is partially dependent upon the arrival of several specialized equipment. ISO accreditation for the Diagnostic Laboratories in the Departments of Microbiology and Pathology is still on-going. The initiative received substantial support

during the year from the Centers for Disease Control and Prevention (CDC) through the Strengthening of Laboratory Management Towards Accreditation Program (SLMTA) which provided training for staff.

The Faculty of Medical Sciences Teaching and Research Complex (FMS TRC) was completed in September 2012, and has since been fully occupied by several sections in the Department of Basic Medical Sciences, with the exception of the Anatomy Section. The Office of the Dean was also relocated to the Complex in January 2013. The Faculty continued to upgrade its existing facilities to ensure that it would meet the demands of its programmes and services. Plans are in place to refurbish the old Dean's Office on the grounds of the University Hospital of the West Indies to provide space for the Dental Poly Clinic and the Mona Institute of Medical Sciences (MIMS).

STUDENT ENROLLMENT AND ACCESS

Table 1 below shows a comparison of undergraduate enrolment for the academic year 2012/2013 with the previous year.

Table 1: Student Enrolment in the Faculty of Medical Sciences, 2012/2013

Programme	Majors and Minors	No. of Students 2012/2013	No. of Students 2011/2012
BBMedSci	Anatomy	13	8
	Biochemistry	–	–
	Pharmacology	69	59
	Physiology	7	9
	Year1 Students	68	46
	Subtotal	157	122

Table 1 continues

Table 1: Student Enrolment in the Faculty of Medical Sciences, 2012/2013 (*cont'd*)

Programme	Majors and Minors	No. of Students 2012/2013	No. of Students 2011/2012
BSc	Nursing (Post RN) Online Delivery	207	223
	Nursing (Generic)	860	839
	Physical Therapy	198	161
	Diagnostic Imaging	84	86
	Subtotal	1,349	1,309
DDS	Doctor of Dental Surgeon	44	37
MBBS	Bachelor of Medicine & Surgery	1,620	1,207
	Total	3,170	2,675

STUDENT ACHIEVEMENTS

Undergraduate Programme 2012/2013

MBBS:

- Dean's List: 65 students
- Honour Society: 8 students
- Outstanding Grauduands: 2 students

Nursing:

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

Physical Therapy:

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

BBMedSci

- Dean's List: 8 students
- Honour Society: 3 students
- Outstanding Graduates: 2 students

Diagnostic Imaging

- Dean's List: 10 students
- Honour Society: 4 students
- Outstanding Graduates: 2 students

The Faculty graduated Undergraduate students in the Academic year 2012/2013:

MBBS223

BSc Nursing (generic)	100
BSc Nursing (Post RN)	51
BSc Physical Therapy	42
BBMedSci	44
BSc Diagnostic Imaging (Radiography)	28

MBBS Examination Results

The MBBS Examination for academic year 2012/2013:

	Pass	Honours	Distinction	Fail/FA
Medicine (MDSC553)	150	1	–	9
Surgery (MDSC555)	140	4	–	15
Obstetrics & Gynaecology (MDSC554)	141	10	3	5

Prizes/Medals

The following students were awarded prizes in the final MBBS examinations for Academic Year 2012/2013:

Medals

Obstetrics and Gynaecology Subject Medal	–	Terri-Anne Russell
Pathology/Microbiology Medal	–	Shelly-Ann Houston

Prizes/Bursaries

Professor Owen Morgan Prize in Medicine and Therapeutics	–	Monique Thompson
Allenbury Prize in Medicine	–	Monique Thompson
The Dr. John Hall Book Prize	–	Monique Thompson
Aubrey McFarlane Prize	–	Terri-Anne Russell
Medical Association of Jamaican Insurance Fund Prize in Obstetrics and Gynaecology	–	Terri-Anne Russell
Professor Lois Grant Book Prize	–	Lescent Harris

Professor S. Brooks Memorial Prize	–	Shelly-Ann Houston
Astley Karl Banbury Prize in Medicine	–	Monique Thompson
General Surgery Prize	–	Winston Butler III Courtney Litchmore Monique Thompson

Prizes Awarded to BSc Physical Therapy Students, 2012/2013

Overall clinical prize	–	Marita Marshall
Medical Science 1 prize	–	Lynval Lewis
Medical Science 2 prize	–	Shellina Skyrme
Medical Science 3 prize	–	Shaniel Walters
Rehabilitation 1 prize	–	Saundria Codling
Rehabilitation 2 prize	–	Andrea Crawford
Rehabilitation 3 prize	–	Andrea Crawford
Anatomy	–	Lynval Lewis

STAFF PROMOTIONS

Drs. Michael McFarlane, Russell Pierre, Wendel Abel and Rose-Marie Wright-Pascoe were elevated to the rank of Professor. Professor Horace Fletcher was asked to act as Interim Dean during the period.

Drs. Georgiona Gordon-Strachan, Shaun Wynter and Mark Newnham were promoted to the level of Senior Lecturer.

RESEARCH

Research output in the Faculty remained at 1.5 refereed papers per capita for full-time staff. In order to combat this anaemic rate, a Deputy Dean (Research), Professor John Lindo, was appointed to focus on the

development of research including clinical trials. This was in addition to the two full-time statisticians/epidemiologists employed to the Office of the Dean who are dedicated to assisting with study design, proposal writing for grants, statistical analysis and writing publications. The work of the UWI/UHWI/FMS Ethics Committee continued to be supported and encouraged, and has seen exponential growth in the submission of research proposals for review. The FMS/TMRI Research Fellowship programme is still being funded by the FMS and has been of benefit to a number of academic staff. As part of the mandate of the Deputy Dean, a total of three distinguished lectures were organized during the period. An aggressive drive was initiated to have abstracts converted to publishable

Table 2: Publications per Department

Department	Publications 2011/2012	Publications 2012/2013	Conference Presentations 2011/2012	Conference Presentations 2012/2013
UWI School of Nursing	6	11	15	41
Basic Medical Sciences	37	51	15	18
Community Health & Psychiatry	35	40	23	68
Medicine	19	19	34	25
Obstetrics & Gynaecology	24	12	1	6
Child & Adolescent Health	20	23	45	191
Pathology	27	17	20	20
Microbiology	3	14	6	29
Surgery, Radiology, Anaesthesia & Intensive Care	44	28	85	65
TMRU/Sickle Cell Unit	56	41	41	54
Total	271	256	285	345

papers. The Faculty also introduced mandatory research projects in most Masters programme as a way of encouraging students to develop an appetite for research.

RESEARCH AWARDS

At the Principal's Annual Awards Ceremony held in February 2013, the follow papers were awarded "Best Research Publications".

- Asha Badaloo, Jean W Hsu, Carolyn Taylor-Bryan, Curtis Green, Marvin Reid, Terrence Forrester and Farook Jahoor. "Dietary cysteine is used more efficiently by children with severe acute malnutrition with edema compared with those without", *American Journal of Clinical Nutrition*. 2012 January; 95(1):84–90.
- Maria Jackson, Susan P. Walker, Candace M. Simpson-Smith, Carole M. Lindsay, Garrett Smith, Norma McFarlane Anderson, Franklyn Bennett, Kathleen C.M. Coard, William D. Aiken, Trevor Tulloch, Tomlin J. Paul, Robert L. Wan. "Associations of whole-blood fatty acids and dietary intakes with prostate cancer in Jamaica". *Cancer Causes Control* (2012); 23:23–33.
- Loxly R. Christie, John A. Harriott, Vernon E. Dacosta, Shaun H. Wynter, Denise M. Everett, Rochelle A. Foster. "Intrauterine insemination in Jamaica as a low-cost subfertility treatment in low-resource region". *International Journal of Gynaecology and Obstetrics*. 2011 Mar; 112(3):208–10. Epub 2011 January 17.
- Gabrielle I. Andrade and Paul D. Brown. "A comparative analysis of the attachment of *Leptospira interrogans* and *L. borgpetersenii* to mammalian cells" *FEMS Immunology Medical Microbiology* (2012); 65:105–115.

The most "Outstanding Researchers" were:

- **Professor Terrence Forrester** of the Tropical Medicine Research Institute.

Professor Forrester is former Director of the Tropical Medicine Research Institute. His research accomplishments for the period under review included nine papers in high impact peer-reviewed journals, and attracted J\$13.2M.

- **Professor Maureen Samms-Vaughan** of the Department of Child and Adolescent Health

Professor Samms-Vaughan is Professor of Developmental Paediatrics in the Department of Obstetrics. During the period under review, while she only published four papers, she attracted J\$19.4m in research funds. Her research has been focused on the emerging discipline of Autism and the associated risk factors, which is of international and local importance.

The selection in the category “**The Project attracting the Most Research Funds**”

Professor Bain and the CHART/RCU Team, which attracted J\$213,891,761.89 during the period under review.

The CHART Regional Coordinating Unit led by Professor Brendan Bain has been guiding the provision of training in HIV and AIDS prevention, care and treatment across the Caribbean since 2003. Until March 2012, the RCU team was sub-contracted by the International Training and Education Center for Health (I-TECH), University of Washington at Seattle as part of the regional response to the HIV epidemic. Funding was provided by USAID, CDC and the Health Resources and Services Administration (HRSA) as part of the contribution of the US President’s Emergency Plan for AIDS Relief (PEPFAR) to the Caribbean. The Coordinating Unit also received support from the Global Fund to fight AIDS, Tuberculosis and Malaria via regional grants to the Caribbean Community (CARICOM) Secretariat.

The recipients’ areas: Professor Brendan Bain (Director); Dr. Carol-Ann Senah (Deputy Director); Dr. Clive Anderson (Clinical Coordinator); Mrs. Natalie Mattocks-Irving (Programme Manager); Dr. Shelly Trim (Quality Improvement Coordinator); Mrs. Denise Minott (Curriculum

Development Specialist); Dr. Jacqueline Murdoch (Training Development Specialist); Ms. Valrie Cyrus (Finance & Contracts Officer); Mr. Mitchell Williams (Finance & Administrative Assistant); Mrs. Sherie Cox (Programme Assistant); Ms. Aliya Leslie (Administrative Assistant).

The final category was “**The Research Project with the Greatest Business/Economic/Development Impact**”.

This award was also given to **Professor Bain and CHART/RCU Team** based on the work being undertaken in relation to HIV/AIDS. The main thrusts of the project in the CHART/RCU Team are capacity building and service to the health community as indicated above.

RESEARCH GRANTS

Despite the challenges, the Faculty, through its many initiatives, continues to attract research grants from internal and external sources. The Faculty received numerous research grants in excess of J\$36,985,370.65, US\$3,434,587.32, £7,200.00, and CHF\$8,571 across several departments for varying types of research activities, some of which are geared at informing policy decisions and bringing awareness to health-related issues. Details on the number of grants received appear in the individual departmental reports. The level and quality of work produced by the FMS over the period have been hailed as innovative and have contributed significantly to policy development at the national and regional levels.

GRADUATE STUDIES

The following new programmes received approval during the year.

- Postgraduate Diploma in Health Management
- Clinical Fellowship Neonatology

Registered Graduate Students (2012–2013)

Programmes	Numbers 2011/2012	Numbers 2012/2013
Specially Admitted	2	–
Dip Family Medicine	22	16
DM	338	318
DPH	24	22
MPH	41	42
Taught Masters	177	297
MPhil	45	58
PhD	42	35
Total	711	788

Completed Graduates Students (2012–2013)

Programmes	Numbers 2011/2012	Numbers 2012/2013
Dip Family Medicine	4	6
DM	41	37
DPH	1	–
MPH	6	20
Taught Masters	34	85
MPhil	3	4
PhD	5	7
Clinical Fellowship	4	–
Total	98	159

INCOME GENERATION AND BUDGETARY CONSIDERATIONS

The Faculty continued to implement innovative means geared at generating income to support the processes in the Faculty. Over J\$1,000,000 was generated from extra-departmental activities during the period. The Department of Basic Medical Sciences continues to build its core forensic and bio-analytical research and service facilities. The Caribbean Toxicology (Caritox) and Caribbean Genetics (Carigen) Units operate as commercial units, and have provided forensic toxicology and consultancy services to the legal profession. The Laboratory Information System (LIS) project is still a work in progress, with some 45% of the overall project already completed.

CONCLUSION

In the year under review we continued to work on improving the physical plant and teaching facilities. However, the FMS strengthened its focus on its staff and students in improving research output in quality and quantity, the production of a rounded graduate and the expansion of research in graduate programmes. As such, the FMS remained successful in expanding the offering of quality teaching and research in its programmes and its medical, nursing and allied health professionals for the Caribbean region and beyond. Staff empowerment and engagement were crucial to this success and the Office of the Dean is appreciative of all the work conducted by our full time academics, associate lecturers and administrative staff. This highly trained cadre of persons has offered solutions to the many challenges faced with the teaching at various clinical sites. Working with our partners in the public healthcare section, we are moving to ensure that all our students are exposed to an acceptable level of patient care during their various courses. Our presence in these clinical sites offers an excellent avenue for improvement in patient care as more graduate programmes are added to the course offerings. The FMS also recognized the increasing interest being expressed by our alumni in the medical school and are encouraged at their insistence on quality graduates from their alma mater. While we continue to appreciate their

contributions to the school we also look forward to tapping into their vast global network to support research collaborations and clinical training attachments.

While the FMS continues to face many challenges not least of which is the financing of our activities, the faculty remains strong and resolute in the fulfilling of our mission. We are assured that the investment we have made in our staff, students and facilities will enable us to grow from strength to strength.