

DEPARTMENT OF BASIC MEDICAL SCIENCES

Prof. Wayne McLaughlin, BSc *Waterloo*, PhD *UWI*
– Head of Department

WORK OF THE DEPARTMENT

During the academic year, the department made progress in implementing some of the strategic initiatives in its 2007-2012 Strategic Plan and also some of the recommendations from the five-year review for the Basic Medical Sciences. The major achievements included:



- The review of the BB Med Sci programme
- Increased student intake in the BB Med Sci and Physical Therapy programmes
- The strengthening of academic supervision and overall programme quality in research training at the MPhil and PhD levels, including weekly departmental graduate seminars
- Increased throughput of MPhil and PhD students
- The introduction of taught master's programmes in Forensic Science, Applied Pharmacology and Physical Therapy
- The introduction of a Diabetes Education Curriculum for Health Care Professionals
- The improvement of the IT infrastructure in the Physiology Lecture theatre and the Pre-Clinical Lecture Theatre for teaching
- The acquisition of teaching and research equipment
- The appointment of new academic staff

- The development of core research centres to support specific research areas e.g. genomics, pharmacology and toxicology
- Investment in world-class research and teaching infrastructure
- Stimulate translational research and commercialisation

In 2011/12 three hundred and twenty-seven (327) students were registered in the MBBS/DDS programmes, 47 in the BB Med Sci programme and 70 in the Physical Therapy programme. Two hundred and eighty-eight (288) students were enrolled in the introductory Biochemistry course. Job shadowing was introduced for final year students in the BB Med Sci programme. Students visited Roche Pharmaceuticals, CARIMED, The Ministry of Health – Pharmaceutical Division, the Fair Trading Commission, IPCA Pharmaceuticals, Lascelles, Health 2000, and the National Health Fund.

Students' assessment of teaching was good as the academic staff continues to be highly rated by students. Members of the academic staff and their postgraduate students participated in several international conferences and were also successful in attracting research funds of approximately US\$265,060. The research output per academic staff declined, approximately 1.0 original paper published per staff in peer-reviewed journals.

Professor Helen Asemota completed her secondment at Shaw University, USA where she served as the Principal Investigator for the “Shaw in Jamaica MoN Prostate Cancer Research Project”. Dr. Michelle Hamilton continued her secondment to the Ministry of Health. Several new academic staff members were appointed. These include Dr. Pierre Louboutin, Senior Lecturer in Anatomy, Dr. Rustam Aminov, Senior Lecturer in Microbiology, Dr. Mohammad Ali, Lecturer in Molecular Biology and Dr. Jacqueline Corness, Senior Lecturer in Physiology.

The department hosted several workshops during the last academic year. The Departments of Basic Medical Sciences and Surgery jointly hosted the *2nd Anti-doping in Sports* workshop; The Section of Physical Therapy hosted a workshop on *Injury Prevent at Work*. Some of the participants were from

Grace Kennedy, Guardian Life, The Shipping Association of Jamaica and Pharmacology Section hosted a *Drug Clinical Trial* workshop.

The Department of Basic Medical Sciences in continuing to build its core forensic and bio-analytical research and service facilities received approval to establish an independent commercial Forensic Toxicology Unit under the name “CARIBBEAN TOXICOLOGY” [CARITOX]. CARITOX will provide forensic toxicology and consultancy services to the legal profession involved in both civil and criminal cases as well as clinical and non-clinical toxicology analytical services. CARITOX along with CARIGEN will provide a wide range of forensic services to clients and support teaching at the graduate and undergraduate levels in forensic science and research within the University.

The Department over this past year mourned the loss of Professor Emeritus Manley West. A Pharmacology Post graduate Prize was named in his honour. Professor West will be remembered for his work on *Cannabis sativa* and the development of two drugs, Cannasol® used to treat glaucoma and Asmasol® used to treat asthma, coughs and colds. It also reduces vomiting and nausea in patients with cancer and AIDS.

The department continued to make preparations to relocate to the New BMS Complex (The Faculty of Medical Sciences Teaching and Research Complex).

STAFF AWARDS AND PROMOTIONS

Miss Garsha McCalla received the prize for Best Oral Presentation and Mrs. Annice Webber-Waugh received the prize for Best Poster at the Faculty of Medical Sciences 20th Annual Research Conference. Stacey Stephenson received the American Society for Microbiology (ASM) prize for best poster, ASM Annual Meeting.

STAFF DEVELOPMENT

Dr. Jacqueline Corness completed a **MA in Education**, from the University of Hertfordshire, UK. **Dr. C. R. Nwokocha** acquired expertise in patch clamp electrophysiological techniques and analysis of

cell membrane currents of smooth muscle cells of small arteries of rodents as well as techniques involved in single cell isolation from resistance arteries (of rats), pipette preparation, whole-cell and isolated patch recording configurations and data analysis. The training was carried out with The Smooth Muscle Research Group, Department of Physiology & Pharmacology and Hotchkiss Brain Institute and Libin Cardiovascular Institute, Faculty of Medicine at the University of Calgary. Dr. Arkene Levy through collaborative research with NOVA South Eastern University – Rumbaugh Goodwin Institute for Cancer Research, standardized western blot protocols for the detection of FAK expression in ovarian cancer samples from Jamaican women. Miss Garsha McCalla, Dr. C. Gordon, Dr. S. Martin, Mrs. Audrey Jacobs and Ms. S. Williams successfully completed the Postgraduate Certificate in University Teaching and Learning Programme at UWI. Mr. Everton Thomas received training at Michigan State University, Michigan, USA in Interactive Organ System Pharmacology (IOSP). Dr. Lisa Lindo was appointed as a Non-Professorial Representative to Academic Board for 2012/2013 Academic year.

PAPERS PRESENTED

- Lindo, J.F., Brown, P.D., Vickers, I.E., Brown, M.G., Jackson, S.T. and Fuller, E.L. (2012). Coinfections of dengue, leptospirosis and malaria in Jamaica. 57th Annual Caribbean Health Research Council (CHRC)/Caribbean Public Health Agency (CARPHA) Scientific Conference, Cayman Islands, April 19-21, 2012.
- Brown, P.D. (2012). Rat attack: Leptospirosis and other zoonosis. Medical Association of Jamaica Annual Symposium; Kingston, June 8, 2012.
- Stephenson, S. and Brown, P.D. (2012). *qnr* prevalence and associated class I integrons among *qnr*-positive fluoroquinolone-resistant *Escherichia coli* in Jamaica. 15th International Congress on Infectious Diseases, Bangkok, Thailand. June 13-16, 2012. (Abstract)

- Beckford, T., Golden, K., Irving, R and Poudevigne, M. (2012). “Metabolic and Psychological Adaptations in Jamaican Athletes”. 59th Annual Meeting and 3rd World Congress on Exercise in Medicine of the American College of Sports Medicine. Moscone west convention Center. San Francisco California. May 29 – June 2, 2012

Faculty of Medical Sciences 20th Annual Research Conference, Kingston, Jamaica, November 9-11, 2011.

- Stephenson, S. and Brown, P.D. (2011). Transferability of *qnr* and the prevalence of associated class I integrons among *qnr*-positive fluoroquinolone-resistant *E.coli*.
- McCalla, G., Brown, P., Gardner, M.T. and Parshad, O. (2011). The anti-diabetic properties of neem (*Azadirachta indica*) leaf extract on streptozotocin-induced diabetic rats. *West Indian Med. J.* 60 (Suppl. 4): 32 (Abstract).
- Christie, S., Levy, A.S. (2011). Effect of Petiveria Alliaceae extracts on fasting blood glucose levels in normoglycemic sprague-dawley rats. *West Indian Medical Journal.* 60 (Suppl 1): 48.
- Christie, S., Levy A.S. (2012). Investigation of hypoglycemic activity of four extracts of Petiveria alliacea (Guinea hen weed) in normoglycemic experimental rat models *FASEB J*, March 29, 2012 26:1124.6. Experimental Biology, April 21-25, 2012. San Diego Convention Centre, USA
- Lewis, A., Levy, A.S. (2012). Investigation of the anti-inflammatory activities of *Cassia alata* extract in complete Freund's adjuvant arthritis in rats. *West Indies Medical Journal.* 59 (4): 35.
- Lewis, A., Levy, A.S. (2012). Anti-inflammatory activities of *Cassia alata* Leaf extract in Complete Freund's Adjuvant Arthritis in Rats. *West Indian Medical Journal.* 60 (6): 615.

- Smith, L., Gossell-Williams, M., Eldermire-Shearer, D. and Morris, C. (2011). A study of the prevalence of orthostatic hypotension and risk of fall among older patients presenting to the Community Health and Psychiatry Health Centre. *West Indian Medical Journal*, 2011 60 (Suppl 4): P-22
- Williams-Johnson, J., Gossell-Williams, M., Campbell-Grizzle, E., Sarpong, D. and Williams, E. (2011). Jamaican physician knowledge and related activities of poison management knowledge, attitudes, beliefs and practice study. *West Indian Medical Journal*, 2011, 60 (Suppl 4):P-33.
- Webber-Waugh, A., Young, L., Thaxter, K. and Gossell-Williams, M. (2011). Nutritional Supplementation decreased behavioural effects of cocaine or amphetamine addiction in an animal model. *West Indian Medical Journal*, 2011, 60 (Suppl 4):P-41.
- Lewis, A., Levy, A.S. (2012). Anti-inflammatory activities of *Cassia alata* extract in Complete Freund's Adjuvant arthritis in rats *FASEB J*, March 29, 2012 26:1124.2
- Smith, L.T. and Gossell-Williams, M. (2012). A study of the prevalence of Orthostatic Hypotension (OH) and risk of falls among older patients presenting to the Community Health and Psychiatry Health Center (CHPHC *FASEB J*, March 29, 2012 26:848.4. *The FASEB Journal*. 2012; 26:848.4.

PUBLICATIONS

Books and Monographs

- * Mills, J. (ed). Scientific Principles of Stress. University of the West Indies Press, 2012
- * Fullick, A. CSEC Human and Social Biology –The Revision Guide, Advisor Dalip Ragoobirsingh, 1st Edition, Pearson Education Limited, Edinburgh, Harlow, Essex, UK, 2011.

- * Irving, R. Olympic DNA: Birth of the fastest humans. Great House, Publishers, Jamaica, 2012.

Refereed Journal

WIMJ = West Indian Medical Journal

- * Parshad, O; Richards, A. and Asnani, M. (2011). Impact of Yoga on haemodynamic function in healthy medical students. *WIMJ*, 2011, 60(2): 148-152.
- * Nwokocha, C.R., Mounmbegna, P.P.E, Nwokocha, M.I., Owu, D.U., Onyezuligbo, O., Olu-Osifo, E.H., Okojie, E., Asuquo, E., Thaxter, K. and Ogunsalu, C. (2012). Serum lipids, proteins and electrolyte profiles in rats following total body irradiation. *WIMJ*, 2012, 61 (2): 117-121.
- * Nwokocha, C.R., Owu, D.U., McLaren, M., Murray, J., Delgoda, R., Thaxter, K., McCalla, G. and Young, L. (2012). Possible mechanisms of action of the aqueous extract of *Artocarpus altilis* (breadfruit) leaves in producing hypotension in normotensive Sprague-Dawley rats. *Pharmaceutical Biology*. 2012, 50 (9):1096-1102.
- * Nwokocha, C. R., Owu, D.U., Gordon, A., Thaxter, K., McCalla, G. and Young, L. (2012). Mechanisms of action of *Annona muricata* in reducing blood pressure in normotensive Sprague-Dawley rats. *Pharmaceutical Biology*.
- * Nwokocha, C. R., Owu, D.U., Kinlocke, K., Murray, J., Delgoda, R., Thaxter, K., McCalla, G. and Young, L. (2012). Blood pressure lowering and vasorelaxant effects of aqueous extract of *Peperomia pellucida* are mediated through endothelium-dependent pathways. *Medicinal & Aromatic Plants*. (OMICS Publishing Group). 1:105.
- * Nwokocha, C.R., Owu, D.U., Ufearo, C.S., Iwuala, M.O.E. (2012). Comparative study on the efficacy of *Allium sativum* (garlic) in reducing some heavy metal accumulation in liver of Wistar rats. *Food Chem. Toxicol.* 50; 222-226.

- * Nwokocha, C.R., Mounmbegna, P.P.E., Nwokocha, M.I., Onyekachi, O. (2012). Effects of Total Body Irradiation on Fatty Acid and Total Lipid Content of Rats' Whole-Body. *Pakistan Journal of Pharmaceutical Sciences*. 25, (1); 169-173.
- * Nwokocha, C.R., Ufearo, C.S., Owu, D.U., Idemudo, N.C. and Ojukwu, L.C. (2012). In vivo distribution of lead in male and female rats after intraperitoneal and oral administration. *Toxicology and Industrial Health*. 28 (2); 131-135.
- * Nwokocha, C.R., Ajayi, I.O., Owu, D.U. and Ebeigbe, A.B. (2012). Experimental Malaria; the Invitro and Invivo Blood Pressure Paradox. *Cardiovascular Journal of Africa*. 23, 2: 98-102.
- * Nwokocha, C.R., Ozuola, R.I., Owu, D.U., Nwokocha, M.I. and Ugwu, A.C., (2011). Antihypertensive properties of *Allium sativum* (garlic) on normotensive and two kidney one clip hypertensive rats. *Niger J. Physiol. Sci*. 26; 213-218.
- * Nwokocha, C.R., Magdalene, I. Nwokocha, I.A., Obi. J., Udekweleze, Bukola Olatunde D.C., Owu, D.U. and Iwuala, M.O.E. (2012). Comparative analysis on the hepatoprotective effect of *Lycopersicon esculentum* (Tomato) on metal accumulation in Wistar rats. *Food Chem. Toxicol*. 50; 2070-2073.
- * Owu, D.U., Obembe, A.O., Nwokocha, C.R., Edoho, I.E., Osim, E.E. (2012). Gastric ulceration in diabetes mellitus: protective role of vitamin C. *International Scholarly Research Network (ISRN) Gastroenterology* 2012.
- * Finlayson, E. and Brown, P.D. (2011). Comparison of antibiotic resistance and virulence factors in pigmented and non-pigmented *Pseudomonas aeruginosa*. *WIMJ*, 60:24-32.
- * Andrade, G. and Brown, P.D. (2012). A comparative analysis of the attachment of *Leptospira interrogans* and *L. borgpetersenii* to mammalian cells. *FEMS Immunology and Medical Microbiology* 65:105-115.

- * Stephenson, S. and Brown, P.D. (2012). Occurrence of class I integrons among uropathogenic fluoroquinolone-resistant *Escherichia coli* isolates in Jamaica. *Acta Pathologica, Microbiologica et Immunologica Scandinavica*.
- * Smith-Marshall, J. and Golden, K.D. (2012). Characterization of Bromelain from *Morinda citrifolia* (Noni). *J. Scientific Research*. 4, 445 -456.
- * Lindsay, C. and Golden, K.D. (2012). *Morinda citrifolia*: Amino Acid and Lipid Content of the Noni Fruit at Various Stages of Maturity. *J. Scientific Research*. 4, 467-476.
- * Bailey-Shaw, Y. A., Golden, K.D., Pearson A.G.M and Porter, R.B.R. (2012). Characterization of Jamaican Agro- Industrial Wastes. Part 11, fatty acid profiling using HPLC: Precolumn derivatization with phenacyl bromide. *Journal of Chromatographic Science*.
- * Levy, A.S. and Carley, S (2012). Cytotoxic Activity of Hexane Extracts of *Psidium Guajava* L (*Myrtaceae*) and *Cassia Alata* L(*Caesalpineaceae*) in Kasumi-1 and OV2008 Cancer Cell Lines. *J Pharm Res*, April 2012;11 (2): 201.
- * Gossell-Williams M., Bennett, O., Dias, Y., Foster, K., Houston, Wright, K, Fairclough, Z. (2012). Preference of patient information leaflets over standard drug monographs by patients prescribed Hydrochlorothiazide, Nifedipine and Enalapril. *WTMJ*. 2012 61(3): 271-279
- * Gordon, C., Roopchand-Martin, S., Gregg, A. (2012). Potential of the Nintendo Wii™ as a rehabilitation tool for children with cerebral palsy in a developing country: a pilot study Nintendo Wii training for children with cerebral palsy. *Physiotherapy* 98, 238-242
- * Nelson, G.A.; Bent-Forsythe, D.A.; Roopchand-Martin, S.C. (2012). Electromyographic Activity of the Rectus Abdominis During a Traditional Crunch and the Basic Jackknife Exercise

with the Ab Lounge™ *Journal of Strength & Conditioning Research*, 26(6):1584-1588

- * Cox, P.St. L., Williams, S.K.P. and Weaver, SR. (2011). Life after lower extremity amputation in diabetics. *WIMJ*, 60(5): 536-540.
- * Bryan, S., Alexander-Lindo, R.L., Dasgupta, T., McGrowder, D. (2011). The effect of nitric oxide inhibitors and s-nitrosothiols on hemodynamic parameters in an animal model – *Open Access Animal Physiology* 3: 1-8 (Feb., 2011).
- * Bryan, S., Alexander-Lindo, R.L., Dasgupta, T., McGrowder, D. (2011). The effects of nitric oxide inhibitors and s-nitrosothiols on glucose concentration in an animal model. *Journal of Natural Science, Biology and Medicine* 2: 80-86 (June, 2011).
- * Brown, C., McFarlane-Anderson, N., Alexander-Lindo, R.L., Bishop, K., Dasgupta, T. and McGrowder, D. (2012). 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* 2012.
- * Anderson-Jackson, L., McGrowder, D.A., Alexander-Lindo, R.L. (2012). Prostate Antigen Specific and Gleason Score in Men with Prostate Cancer at a Private Diagnostic Radiology Centre in Western Jamaica. *Asian Pacific J Cancer Prev*, 13, 1453-1456 (2012).
- * Less, L.A., Ragoobirsingh, D., Morrison, E., Boyne, M., Anderson-Johnson, P. (2011). The Jamaican Lay Facilitators Programme: A Positive Impact on Glycaemic Control. *Journal of Diabetes Management* 1(2),167-173.
- * Ragoobirsingh, D., McGrowder, D.A. (2011). A Prospective Study of Children Who were Admitted for Diabetes Mellitus at a Jamaican Hospital. *Journal of Clinical and Diagnostic Research*. 2012 June, Vol-6(5): 832-834.

- * Irving, R., Wright-Pascoe R., Mills, J., Mullings, A., Choo-Kang, E., McLaughlin, W., McGrowder, D. Mosaic pancreas or type 3 diabetes: how do we define it?
- * Irving, R., Tusie, L., Mills, J., Wright-Pascoe, R., McLaughlin, W., Agular-Salinas, C. Diabetes tipo 2 de inicio temprano en Jamaica y en México. Oportunidades derivadas de un estudio interétnias. *Revista de Investigación Clínica* 2011 63 (2): 198-209.
- * Green, C.O., Wheatley, A.O., McGrowder, D.A., Dilworth, L.L. and Asemota, H.N. (2012). Modulation of antioxidant enzymes activities and lipid peroxidation products in diet-induced hypercholesterolemic rats fed Ortanique peel PMFs extract. *J Appl Biomed.* 10(2): 91-102.
- * Green, C.O. and Asemota, H.N. (2012). Compositions and methods for treating hypercholesterolemia using Ortanique peel extract (USA Patent, # 8,268,369 B2).
- * Green, C.O., Wheatley, A.O., Hanchard, B., Gibson, T.N., McGrowder, D.A., Dilworth, L.L. and Asemota, H.N. (2011). *Histopathological alterations in organ structures of hypercholesterolemic rats fed ortanique peel polymethoxylated flavones. Basic and Applied Pathology.* 4(3): 71-77
- * Green, C.O., Wheatley, A.O., McGrowder, D.A., Dilworth, L.L. and Asemota, H.N. (2011). Hypolipidemic effects of Ortanique peel polymethoxylated flavones in rats with diet-induced hypercholesterolemia. *Journal of Food Biochemistry;* 35(5); 1555-1560

Abstracts in Peer Reviewed Journal

- * McCalla, G., Brown P., Gardner, M.T. and Parshad, O. (2011). The antidiabetic properties of Neem (*Azadirachta indica*) leaf extract on streptozotocin-induced diabetic rats. *WTMJ*, 2011, 60 (Suppl. 4):32.

- * Webber-Waugh, A., Young L., Thaxter, K. and Gossell-Williams, M. (2011). Nutritional supplementation decreased behavioural effects of cocaine or amphetamine addiction in an animal model. *WTMJ*, 2011, 60 (Suppl. 4):52.
- * Young, L.E., Webber-Waugh, A.M. and Thaxter, K.A. (2012). A nutritional supplement regime diminished addictive behavior and mean arterial pressure without affecting serum catecholamines. *Society for Neuroscience Abstracts Viewer*, 2012, 874.08
- * Ragoobirsingh, D. and Barcelo, A. (2011). Diabetes Education in Action in the Caribbean. *Diabetes Research and Clinical Practice*, vol. 94, issue 3.
- * Beckford, T., Golden, K., Irving, R., Poudevigne, M. (2012). Metabolic and psychological adaptations in Jamaican athletes. *Med Sci Sp & Exer*, 2012:44(5):2288.

INCOME GENERATION/FUNDING

Research Grants

Dr. Lauriann Young-Martin

- New Initiative Grant of \$1,488,500.00 to carry out an investigation on critical thinking in the Faculty of Medical Sciences, Mona.

Dr. Jacqueline Corness

- New Initiative Grant of \$1,500,000 to conduct research on the histological characteristics of the habenular complex and its related circuitry.

Professor Wayne McLaughlin

- J\$1,700,000 from the Coconut Industry Board for supporting Research Fellow Dr. Natala Burnett.

Dr. C. R. Nwokocho

- Received the following donations of research equipment from Dr. Cole' Research Lab, University of Calgary:
 - Narishige P83Japan Patch Pipette Puller valued at US\$3000
 - Manning Warner Fine Science Tools Micromanipulator (DE3K) valued at US\$8000
 - Fine micro dissecting kits valued at US\$1000

Dr Arkene Levy

- US\$5000.00 from Nova South Eastern University for collaborative work on the 'Expression of FAK in Jamaican women with ovarian cancer and correlation with disease metastasis'.
- Campus Committee for Research and Publication and Graduate Award for Michelle Morris: "Serotonin 5-HT_{2c} receptor of the rat detrusor muscle: association with atypical antipsychotic-induced weight gain and glucose disequilibrium" US\$1,778.90.
- Pharmacology received J\$33,000 and EU\$5 to set up an award in the name of Professor Manley West from his family.

Dr. Paul Brown

- A comparative molecular analysis of the virulence determinants and antibiotic susceptibility profiles of methicillin-resistant *Staphylococcus aureus* (MRSA) in Jamaica. Campus Research and Publication Fund, UWI, Mona; PI (Awarded to Terissa Thompson) US\$2060
- Extracellular proteases and their regulation in *Leptospira* spp. Campus Research and Publication Fund, UWI, Mona; PI (Awarded to Varina Keeling) US\$2444

Prof. Dalip Ragoobirsingh

- Western Regional Health Authority, St. James Public Health Services, Montego Bay, St. James. Amount: ~ J\$40,000.00 – Partially funded project entitled "Health Workers' Communi-

cation and Patient Health Outcomes: A Focus on Persons with Diabetes in St. James”.

PUBLIC SERVICE

Professor Wayne McLaughlin

- Board Member, Coconut Industry Board
- Board Member, Seprod Limited

Dr. Lauriann Young-Martin

- Member, UWI Valedictorian Selection Committee
- Lector and Member of the Liturgical Committee, Holy Cross Roman Catholic Church
- Member, Fund-raising Committee of Holy Cross Church

Dr. C. R. Nwokocha

- Member, Organizing Committee of the FMSARC
- Member, Organizing Committee of the Principal’s Research Day

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

- Ambassador to Jamaica, American Society for Microbiology (ASM)
- Council Member, International Society for Infectious Diseases.

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

UNDERGRADUATE STUDENTS REGISTRATION

BB Med Sci.

Year 1 = 47

Year 2 = 60

Year 3 = 31

MB BS

Year 1 = 327

Year 2 = 357

Year 3 = 267

Physical Therapy

Year 1 = 63

Year 2 = 50

Year 3 = 51

FPAS (Biochemistry)

Year 1 = 288

Year 2 = 78

Year 3 = 57

FIRST CLASS HONOURS - BB MED SCI

Pharmacology

Indira Boyd, Peta-Gaye Thomas, Simone Stewart, Keisha Sewell, Nikki-Juenelle Wilson, Sheneika Bennett, Sasha-Gaye Richards, Sovia Brown, Alicia Raymond.

Physiology

Daniel Lester

POST GRADUATE STUDENTS REGISTRATION

Taught Masters

MSc Forensic Science	– 27
MSc Applied Pharmacology	– 4

Research

MPhil	– 5
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POSTGRADUATE DEGREES AWARDED

Tricishanna Henry	- MPhil Pharmacology
Lorna Calder	- MPhil Pharmacology
Miss Garsha McCalla	- MPhil Physiology
Mrs. Annice Webber-Waugh	- MPhil Physiology
Simone Badal McCreath	- PhD Biochemistry
Mrs. Shirley Budall	- PhD Biochemistry
Kathleen Lobban	- PhD Biochemistry
Donna Wynter-Adams	- PhD Pharmacology
Ms. Jacqueline Vigilance	- PhD Physiology

VISITORS TO THE DEPARTMENT

Mr. V. V. Dayanandan, Country Manager, Ipca Laboratories. Guest presentation to final year BBMedSc Pharmacology students on the Role of the Medical Representative.

Dr. Priscilla Johnson, Assistant Director for Clinical/ Administration Affair. RCMI Center of Excellence for Clinical and Translational Research. Morehouse School of Medicine. Conducted a two day Drug Clinical Trials training workshop for MSc Applied Pharmacology students.

Dr. Paula Royster, CEO and Founder, The Center for African American Genealogical Research, Inc. (CAAGRI) visited. She is a Fulbright Fellow and has interest in African Ancestry and DNA genealogy.