

DEPARTMENT OF PATHOLOGY

Carlos Escoffery, BSc, MBBS, DM UWI – Head of Department

WORK OF THE DEPARTMENT

The academic year, August 1, 2008 to July 31, 2009, saw the continuation of our income generation process that began in the last year. This has met with mixed results in that while we have managed to supplement our budget significantly with the collection of fees for our out-patient tests performed for the University Hospital of the West Indies (UHWI), we have not yet managed to recoup any of our in-patient costs. It is anticipated that the current formal commercialization/cost-recovery system being established by the UWI will finally make us solvent and allow us to be able to fund and focus on meaningful academic enterprises.



We are still faced with many challenges, including:

- (a) Administrative/Management deficiencies – we are badly in need of holistic administrative reformation, which would include a revamping and upgrading of staffing in our Central (Administrative) Office, as well as the appointment of a Laboratory Manager, a Quality Assurance Manager, and an Information Technology (IT) Manager.
- (b) Improvement of our IT systems – the acquisition of a state-of-the-art Laboratory Information System is of paramount importance and is an immediate necessity.
- (c) Office/Storage/Work Space – we have outgrown our current physical plant and are badly in need of office space, especially for the academic staff and postgraduate students, as well as storage space for records and supplies. Several areas are

dilapidated and need urgent refurbishing, the most crucial being the Autopsy Room.

Laboratories and Autopsy Service

Our laboratory and autopsy services continued to provide invaluable support to the care of the in- and out-patients of the UHWI, as well as to patients from other medical facilities and institutions, both national and regional.

A total of 522,405 tests were performed by the Chemical Pathology Laboratory and 150,041 by the Haematology Laboratory. The Cytology Laboratory processed 4,931 pap smears and 689 non-gynaecological specimens. The Histopathology Laboratory accessioned and processed 8,797 surgical cases which generated 43,585 routine H&E stained slides and 741 special (histochemical) stains. Thirty-four frozen sections were performed. We processed special biopsies as follows: 39 liver, 96 renal, 7 muscle, 72 bone marrow and 19 smears (from tissue lesions). In addition, we performed 144 immunohistochemical (IHC) lymphoma panels, 233 IHC non-lymphoma requests and 483 cases had breast receptor (IHC) stains performed. A total of 236 autopsies were performed (Coroner's cases, 94; non-Coroner's cases including babies, 142).

Our equipment inventory was increased by the acquisition of: an Autopsy Room (organ) refrigerator, a Citadel 2000 Tissue Processor, a Histocentre paraffin tissue embedder and a Thermo Linistain Random Access Stainer.

TEACHING

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. We still faced tremendous challenges trying to accommodate and teach the large clerkship groups, and anxiously await the refurbishing of both our

Seminar Room and Autopsy Room, which have now become inadequate for our teaching requirements.

The Museum has deteriorated badly and needs revitalizing. We plan to seek funding to enable us to relocate the Museum to rooms in the Rippel Building that were previously occupied by the Department of Surgery, Radiology, Anaesthetics and Intensive Care, and to try to establish a modern facility with multimedia and interactive functions. Despite all the odds, however, our lecturers performed their assigned tasks admirably and were consistently rewarded with high assessment scores by the students, averaging over 4.0 for the Department as a whole.

The DM programme had 4 registered graduate students, 3 in Anatomical Pathology (1 in Part I and 2 in Part II) and 1 in Haematology (Part I). One resident was successful in the DM Pathology Part I Examination in Anatomical Pathology in the May/June 2009. Dr Nadia Williams continued as the Director of the Residency Programme in Anatomical Pathology (DM Path Graduate Programme) and Departmental Representative on the FMS Committee for Graduate studies.

Staff & Research

Despite our financial woes, the chronic distraction of the commercialization process and our technological and other limitations, the academic staff continued to maintain an active academic presence and showed significant improvement in publications over the previous year. We produced 29 scientific articles and 8 abstracts in peer-reviewed journals, and in addition, some 25 papers were presented at various local and regional conferences.

Two members of academic staff - Drs. Tracey Gibson and Donovan McGrowder – were promoted to the level of Senior Lecturer and were both granted renewal of contract on indefinite tenure.

Research Grants/Funding Received

Dr Tracey Gibson embarked on a new project, which entails the establishment of a Cytogenetics Laboratory in the Department. This will be housed in the former Labs 7 & 7A of the Rippel Building. The cost of the renovation, installation of appropriate air conditioning systems and capital equipment will be at least J\$14 million,

approximately **J\$11 million of which is being funded by the CHASE Fund**. Work has commenced and is progressing satisfactorily. This laboratory, when completed, equipped and staffed, will propel us into the 21st century and provide much needed diagnostic and research opportunities in the area of Cytogenetics.

In addition, Dr Gibson received a New Initiative Grant from UWI valued at J\$900,000 for the project “Optimization of extraction of DNA from archived formalin-fixed paraffin-embedded (FFPE) breast and lymph node tissues from surgical specimens in Jamaican patients”. She is the principal investigator, and the co-collaborators are - SE Shirley, WA McLaughlin, G Gordon-Strachan, CA Mckenzie and CT Escoffery.

Dr Donovan McGrowder also received a New Initiative Grant from UWI valued at **J\$1,437,237** for the project “Evaluation of Oxidative Stress and Antioxidant status and use of the Percentage of Free Prostate-Specific Antigen to Enhance Differentiation of Prostate Cancer from Benign Prostatic Hyperplasia in Jamaican Men”

Professor Franklyn Bennett also received a New Initiative Grant for the sum of **J\$1.481M** for the project “High Sensitivity C – Reactive Protein and its Relationship to Cardiovascular Disease Risk in Jamaican Youth”

Other staff members were actively involved in a variety of research activities, some of which included:

- **Dr K Bishop’s** research on various aspects of perinatal pathology and mortality (in collaboration with the Department of Obstetrics, Gynaecology and Child Health)
- **Dr S Chin’s** work in various aspects of oncology as well as planning and coordinating the monthly UWI/UHWI Oncology Rounds, which she initiated this year.
- **Professor K Coard’s** work on: (a) Prostate Cancer in Jamaica: the Contribution of Diet and Lifestyle, (b) Metabolic Abnormalities and Risk of Prostate Cancer in Jamaican Men, (c) Ongoing evaluation of a variety of aspects of Prostate Cancer at the University Hospital of the West Indies is in progress, (d) Retrospective studies continue on various aspects of Cardiovascular Pathology.

- **Professor G Char** and **Dr J Jaggon’s** research on various aspects of neuropathology in Jamaica.
- **Professor B Hanchard’s** work on: (a) HTLV-1: continuing collaboration with NIH/NCA, Bethesda, Maryland and collaborators in Japan, (b) Cancer Epidemiology: Compilations of 5 yearly reports of Cancer Incidence in Kingston and Saint Andrew through the Jamaica Cancer Registry.
- **Dr D Lowe’s** work on: (a) Breast receptors in breast cancer patients in Jamaica, (b) Inhibitors and other complications in haemophiliacs in Jamaica
- **Dr S Shirley & Professor C Escoffery’s** ongoing data collation and analysis on: (a) Jamaican Breast Disease Study (Protocols I & II) in collaboration with (DSRA&IC and TMRI) [Dr Shirley, Principal Investigator], (b) Medico-legal autopsy pathology, (c) Exfoliative and aspiration cytology.
- **Dr E Williams’** research on receptor status on patients with breast cancer locally and regionally.
- **Dr N Williams’** work in: (a) Gastrointestinal pathology specifically related to polyps, hereditary polyposis syndromes, hereditary non-polyposis syndromes, colorectal cancer and *Helicobacter pylori*-associated diseases, (b) Colorectal cancer in young patients <50 years (with Drs. G. Wharfe and S. Chin of Haematology and Dr J Plummer from the section of Surgery).

PAPERS PRESENTED

- **Bishop K.** “ Perinatal Pathology Report January – December 2008: Analysis of Data”, Annual Perinatal Conference: Faculty of Medical Sciences, UWI, Kingston, Jamaica, February 2009.
- Chin-See C, **Bishop K.** “Perinatal Pathology Report January – December 2008”, Annual Perinatal Conference: Faculty of Medical Sciences, UWI, Kingston, Jamaica, February 2009.

Chin S.

- “The pregnant patient with newly diagnosed cancer”, Department of Obstetrics, Gynaecology and Child Health

Perinatal Audit and Symposium, UWI, Kingston Jamaica, February 2009.

- “A review of the patterns of docetaxel use for hormone refractory prostate cancer (HRPC) at the Princess Margaret Hospital”, Poster Presentation, ASCO Genitourinary Cancers Symposium, Orlando, Florida, February 2009.
- “Management of DCIS – the multidisciplinary approach”, UHWI/UWI Oncology Rounds, Faculty of Medical Sciences, UWI, Kingston, Jamaica, January 2009.
- “Pregnancy-associated breast cancer”, Lilly Oncology Rounds, Jamaica Pegasus Hotel, Kingston, February 2009.
- “Defining the expanding role of the Internist In Prostate Cancer” and “Lung Cancer: Current and emerging strategies for screening and preventing”, Department of Medicine Summer Course Series: Faculty of Medical Sciences, UWI, Kingston, Jamaica, July 2009.

Coard KCM.

- (with Brady-West DC, **Coard KCM**, Leitch JM.) “Audit of performance of multiple choice items used in the new medical curriculum” 17th Annual Research Conference of the Faculty of Medical Sciences, UWI, Kingston, Jamaica, November 2008
- Mitchell AD, **Coard KCM**. “Xanthogranulomatous Pyelonephritis at the University Hospital of the West Indies” 17th Annual Research Conference of the Faculty of Medical Sciences, UWI, Kingston, Jamaica, November 2008.
- Aiken WD, Morrison BF, Jackson M, Tulloch T, Mayhew R, Wan R, Bennett F, **Coard K**, Tulloch – Reid MK. “The effect of body mass index on prostate-specific antigen levels in Jamaican men.” 54th Scientific Meeting of the Caribbean Health Research Council, St Lucia. April 2009.
- “Body mass index and prostate-specific antigen levels in Jamaican men.” Aiken WD, Tulloch-Reid MK, Morrison BF, Tulloch T, Mayhew, Wan R, Bennett F, **Coard K**, Jackson M. 51st Conference of the Association of Surgeons in Jamaica, Kingston, Jamaica, May 2009.

Escoffery CT

- “Pathology services in Jamaica: A historical overview” 14th Annual Symposium of the Jamaican Association of Clinical Pathologists, The Jamaica Pegasus Hotel, Kingston, Jamaica, November 2008.
- “Forensic pathology: Training and recruitment – Whom? How? How many?” 17th Annual Research Conference and Workshop on Forensic Medicine: Birth, Life, Death..., Faculty of Medical Sciences, UWI, Kingston, Jamaica, November 2008.

Hanchard B.

- “The History of Pathology at the UWI” 14th Annual Symposium of the Jamaican Association of Clinical Pathologists, the Jamaica Pegasus Hotel, Kingston, Jamaica, November 2008.
- “Surgical Pathology then and now” – The Sir Harry Annamunthodo Memorial Lecture, 51st Annual Conference, Association of Surgeons of Jamaica, Kingston, Jamaica, May 2009.

Lowe D.

- “Rectal Cancer: Neoadjuvant versus Adjuvant Therapy – which is better?”, the UHWI Tumour Board Seminar, Small Lecture Theatre, FMS, Kingston, Jamaica February, 2009.
- “Palliative chemotherapy – Is there a benefit?” the Annual Palliative Care Symposium of the Palliative Care Team, Hope Institute, Mona Visitors’ Lodge, Kingston, Jamaica, April 2009.

McGrowder D.

- Pena-Fraser Y, Gordon L, Morrison E, **McGrowder D**, Garwood D, Zamora E, Perez Sanz EC. “Changes in clinical and metabolic parameters after exercise in patients with type 2 diabetes mellitus”, 17th Annual Research Conference and Workshop on Forensic Medicine, Faculty of Medical Sciences, UWI, Kingston, Jamaica, November 2008.

- Gordon L, Morrison E, **McGrowder D**, Garwood D, Zamora E, Pena- Fraser Y, Pena Sanz E.C. Effect of exercise therapy on lipid profile and oxidative stress indicators in patients with type 2 diabetes”, 17th Annual Research Conference and Workshop on Forensic Medicine, Faculty of Medical Sciences, UWI, Kingston, Jamaica, November 2008.
- “Biochemistry Markers in Clinical Chemistry – The Way Forward”, Medical Laboratory Symposium: Jamaica Medical Technology Division, University of Technology, Kingston, Jamaica, November 2008.
- “How prepared are laboratories in Jamaica for accreditation”, International Accreditation Day Seminar: Caribbean Regional Organization and Quality (CrosQ) and Jamaica National Agency for Accreditation (JANAAC), Kingston, Jamaica, June 2009.
- Soyibo A, Barton E, **McGrowder D**. “Glomerular filtration rate estimated and calculated”, Department of Medicine Research Day, UWI, Kingston, Jamaica, June 2009.
- Luke K, Asemota H, Wheatley A, Barton E, **McGrowder D**. “Effects of nutritional supplements in the treatment of kidney dysfunction associated with cocaine abuse in animal models”, Department of Medicine Research Day. UWI, Mona, Kingston, Jamaica, June 2009.

Williams N.

- Plummer JM, Graham R, **Williams N**, Bonadie K. “Colorectal cancer in young patients”, 7th Annual Caribbean College of Surgeons Meeting, St Lucia, 2008.
- Graham RPD, Plummer JM, **Williams NP**, West KA. “Lymph Node Resection for Colorectal Cancer: Ensuring Standards, Improving Quality”, 51st Annual Clinical Conference, Association of Surgeons in Jamaica, Kingston, Jamaica, May 2009.

PUBLICATIONS

WIMJ = *West Indian Medical Journal*

Refereed (Peer-Reviewed) Journal Articles

- * Boyne MS, Woollard A, Phillips DIW, Taylor-Bryan C, **Bennett FI**, Osmond C, Royal-Thomas TY, Wilks RJ, Forrester TE. The association of hypothalamic-pituitary-adrenal axis activity and blood pressure in an Afro-Caribbean population. *Psychoneuroendocrinology* 2009; 34: 736-42. Epub 2009 Jan 19.
- * Bennett NR, Boyne MS, Cooper RS, Royal-Thomas TY, **Bennett FI**, Luke A, Wilks RJ, Forrester TE. Impact of adiponectin and ghrelin on incident glucose intolerance and on weight change. *Clinical Endocrinology* 2009; 70; 408-14.
- * Murphy AJ, **Bishop K**, Pereira C, Chilton-Macneill S, Ho M, Zielenska M, Thorner PS. A new molecular variant of desmoplastic small round cell tumor: significance of WT1 immunostaining in this entity. *Human Pathology*. 2008; 39:1763-70. Epub 2008 Aug 13.
- * **Buchner-Daley LM**, **Brady-West DC**. Chronic myeloid leukaemia at the University Hospital of the West Indies: A 17-year review. *WIMJ*. 2008; 57: 493-96.
- * **Chin SN**, Trinkaus ME, Simmons C et al, Prevalence and severity of urogenital symptoms in postmenopausal women receiving endocrine therapy for breast cancer. *Clinical Breast Cancer*. 2009; 9:108-17.
- * **Chin SN**, Pinto V, Rosen B, Oza A, Dodge J, Murphy J, Mackay H . Evaluation of an intraperitoneal chemotherapy program implemented at the Princess Margaret Hospital for patients with epithelial ovarian carcinoma. *Gynecologic Oncology*. 2009; 112: 450-4.
- * Trinkaus M, **Chin S**, Wolfman W, Simmons C, Clemons M. Should urogenital atrophy in breast cancer survivors be treated with topical estrogens? *Oncologist*. 2008;13: 222-31.
- * Riechelmann RP, Zimmermann C, **Chin S**, N Wang L, O'Carroll A, Zarinehbab S, Krzyzanowska MK. Potential drug interactions in cancer patients receiving supportive care

- exclusively. *Journal of Pain and Symptom Management*. 2008;35:535-43.
- * **Choo-Kang E**. Chemical composition of urinary tract stones at the University Hospital of the West Indies. *WIMJ*, 2008; 57: 427-430.
 - * Simms-Stewart D, Frederick S, Fletcher H, **Char G**, Mitchell S. Postmenopausal uterine inversion treated by Subtotal Hysterectomy. *Journal of Obstetrics and Gynaecology*. 2008; 28:116-7.
 - * Intraabdominal Lymphangioma in a 40-year-old woman and review of literature. Skeete DH-A, **Char G**, Fletcher H, Bolt CS. *WIMJ*, 2008; 57: 418-19.
 - * **Coard KCM**, Skeete DH-A. A 6-year analysis of the clinicopathological profile of prostate cancer patients at the University Hospital of the West Indies, Jamaica. *British Journal of Urology International*. 2009; 103:1482-86.
 - * Dupuis C, **Coard KCM**. A Review of Granular Cell Tumours at the University Hospital of the West Indies: 1965-2006. *WIMJ*. 2009; 58: 138-141.
 - * Aiken W, **Gibson T**, Williams S, Gaskin D. Leiomyosarcoma of the kidney. *WIMJ*, 2009; 58: 183-184
 - * Birmann BM, Breen EC, Stuver S, Cranston B, Martinez-Maza O, Falk KI, Okayama A, **Hanchard B**, Muellen N, Hisada M. Population differences in immune marker profiles associated with human T-Lymphotropic virus Type 1 infection in Japan and Jamaica. *International Journal of Cancer* 2009; 124: 614-621.
 - * Wang SS, Carreon JD, **Hanchard B**, Chanock S, Hisada M. Common genetic variants and risk for non-Hodgkin's lymphoma and adult T-cell lymphoma/leukemia in Jamaica. *International Journal of Cancer* 2009;125: 1479-82.
 - * Umeki K, Hisada M, Maloney EM., **Hanchard B**, Okayama A. Proviral Loads and Clonal Expansion of HTLV-1 Infected Cells following Vertical Transmission: A 10 year follow-up of Children in Jamaica. *Intervirolgy* 2009; 52: 115 -122.

- * Hutton-Rose N, Blythe C, Ogbano C, **McGrowder D**. The prevalence of other sexually transmitted infections in confirmed HIV cases at a referral clinic in Jamaica. *Journal of the Royal Society for the Promotion of Health*. 2008; 128: 242-247.
- * Davidson S, **McGrowder D**, Keheller A, Burman J. Can Rotem predict post-operative bleeding and appropriate treatment after surgery? *Journal of Cardiothoracic and Vascular Anesthesia*. 2008; 22: 655-661.
- * Gordon L, Morrison E, **McGrowder D**, Young R, Garwood D, Pena-Fraser Y, Zamoraz E, Alexander-Lindo R, Irving R. Changes in clinical and biochemical parameters in patients with type 2 diabetes after exercise therapy. *Archives of Medical Sciences*. 2008; 4: 227-237.
- * Brown T, **McGrowder D**. Road traffic epidemic in contemporary Jamaica: Implications for governance and public policy. *Asian Social Sciences*. 2008; 4: 182-191.
- * **McGrowder D**, Williams A, Gordon L, Crawford T, Alexander-Lindo R, Irving R, Hamilton M Calcium excretion in preeclampsia and gestational hypertension. *Archives of Medical Science*. 2009; 5: 80-85.
- * **McGrowder D**, Grant K, Gordon L, Crawford T, Alexander-Lindo R, Irving R. Lipid profile and clinical characteristics of women with gestational diabetes and preeclampsia. *Journal of Medical Biochemistry*. 2009; 28: 72-81.
- * Bourne P, **McGrowder D**, Crawford T. Decomposing mortality rates and examining health status of the elderly in Jamaica. *Open Geriatric Medicine Journal* 2009; 34: 34-43.
- * Bourne P, **McGrowder D**. Rural health in Jamaica: Examining and refining the predictive factors of good health of rural residents. *Journal of Rural and Remote Health* 2009; 9:1116.http://www.rrh.org.au/publishedarticles/article_print_1116.pdf.
- * **McGrowder D**, Jackson L, Forrester R, Edie C, Crawford A, Simpson S, Crawford T. The impact of the North Coast Highway on socioeconomic status and family life of residents in Bogue Village, Jamaica. *Asian Social Science* 2009; 4: 28-37.

- * Brown T, Duncan N, **McGrowder D**, Crawford A, Gordon L, Bourne P. The implications of public utility access on gender: The case of Jamaica. *European Journal of Social Sciences*. 2009; 8: 614-625.
- * Powell M, Wheatley A, Omoruyi F, Asemota H, **Williams NP** and Tennant P. Effects of subchronic exposure to transgenic papayas (*Carica papaya L.*) on liver and kidney enzymes and lipid parameters in rats. *Journal of the Science of Food and Agriculture* 2008; 88:2638-47.
- * Graham RPD, West K, **Williams NP**. Primary epithelial tumours of the appendix: a review of cases. *World Journal of Gastroenterology*. 2009; 15: 1472-74

Refereed (Peer-Reviewed) Journal Abstracts

- * Pena-Fraser Y, Gordon L, Morrison E, **McGrowder D**, Garwood D, Zamora E, Perez Sanz EC. Changes in clinical and metabolic parameters after exercise in patients with type 2 diabetes mellitus. *WIMJ*, 2008; 57 (Suppl. 4): 28.
- * Gordon L, Morrison E, **McGrowder D**, Garwood D, Zamora E, Pena- Fraser Y, Pena Sanz E.C. Effect of exercise therapy on lipid profile and oxidative stress indicators in patients with type 2 diabetes. *WIMJ*, 2008. 57 (Suppl. 4): 28.
- * Audit of performance of multiple choice items used in the new medical curriculum. Brady-West DC, **Coard KCM**, Leitch JM. *WIMJ*. 57 (Suppl 4) 42: 2008.
- * Xanthogranulomatous pyelonephritis at the University Hospital of the West Indies Mitchell AD, **Coard KCM**. *WIMJ*. 57 (Suppl 4) 44: 2008.
- * Aiken WD, Morrison BF , Jackson M , Tulloch T , Mayhew R , Wan R , Bennett F , **Coard K** , Tulloch-Reid MK. The effect of body mass index on prostate-specific antigen levels in Jamaican men. *WIMJ*. 2009 58 (Suppl 2) 16.
- * **Chin SN**, Trinkaus ME, Simmons C et al, Prevalence and severity of urogenital symptoms in postmenopausal women receiving endocrine therapy for breast cancer. *Journal of Clinical Oncology* 26: 2008 (May 20 suppl; abstr 20551).

- * **Chin SN**, Wang L, Lau A et al, A review of the patterns of docetaxel use for hormone refractory prostate cancer (HRPC) at the Princess Margaret Hospital. *Journal of Clinical Oncology* 27: 2009 (May 20 suppl; e16161).
- * **Escoffery C**. Forensic pathology: Training and recruitment – Whom? How? How many? *WIMJ*, 2008;57: (Suppl. 4): 17-8.

Non-Refereed Journal Articles

- * Paul T J, Branday J, Crawford-Sykes A , **Williams E** , Beman D. The administrative challenge of new curricula in old Medical Schools. *The UWI Quality Education Forum* 2009; 15: 83-92.

PUBLIC SERVICE

Dr K. Bishop

- Cytopathology Consultant, Jamaica Cancer Society
- President, Jamaican Association of Clinical Pathologists

Dr D. Brady-West

- Assistant Editor, *West Indian Medical Journal*

Professor G. Char

- Cytopathology Consultant, Jamaica Cancer Society

Professor K. Coard

- Council Member, Caribbean Cardiac Society.
- Chairman, Research Grants Awards Committee of the Caribbean Cardiac Society.

Professor C. Escoffery

- Cytopathology Consultant, Jamaica Cancer Society
- Reviewer, *West Indian Medical Journal*

Dr. T. Gibson

- Cytopathology Consultant, Jamaica Cancer Society

Professor B. Hanchard

- Member of Executive Board, International Society of Retrovirology
- Member of Board of Directors, Jamaica Cancer Society
- Cytopathology Consultant, Jamaica Cancer Society

Dr. J. Jaggon

- Cytopathology Consultant, Jamaica Cancer Society
- Secretary/Treasurer, Jamaican Association of Clinical Pathologists

Dr. D. Lowe

- Executive Member, Leukemia CARE
- Voluntary physician, National Blood Transfusion Service
- Clinical Advocate, Jamaica Haemophilia Society

Dr. D. McGrowder

- Technical Editor, *Pakistan Journal of Biological Sciences*
- Member, Lupus Foundation of Jamaica
- Member of Heart Foundation of Jamaica
- Board Member, Jamaica Cancer Society
- Member, Editorial Board, *Biochemistry Insights*
- Member, Editorial Board, *Global Journal of Health Science*
- Technical Editor, *International Journal of Osteoporosis and Metabolic Disorders*
- Editor of Chemical Pathology, *International Journal of Medicine and Medical Sciences*

Professor D. Shah

- Deputy Chairman, Council, Professions Supplementary to Medicine, Ministry of Health, Jamaica
- Cytopathology Consultant, Jamaica Cancer Society

Dr. S. Shirley

- Cytopathology Consultant, Jamaica Cancer Society
- Reviewer, *West Indian Medical Journal*

Dr. J. Taylor-Houston

- Chairperson, Leukaemia CARE

Dr. E. Williams

- Cytopathology Consultant, Jamaica Cancer Society

Dr. N. Williams

- Member, International Relations Committee of the American College of Gastroenterology 2006-2009
- Cytopathology Consultant, Jamaica Cancer Society
- Executive Member, UWI Medical Alumni Association
- Member, UWI Mentorship Programme
- Member, FMS Representative “UWI60” Mona Planning Committee, 2007-2008.
- Member, ICHS Alumnae Association “Big Sister” Programme
- Member, ICHS Alumnae Association Scholarship Committee

Honours & Awards

- **Dr N Williams**, UWI/GUARDIAN LIFE Premium Teaching Awards 2008, “Recognizing Teaching Excellence”

Professor Kathleen Coard

- Mary Seacole Hall, University of the West Indies, 2009 Award for “*Most Accomplished Past Seacolite in the Field of Medicine*”.
- Jamaica Medical Foundation Award 2009, for “*Outstanding Achievement in the Field of Medicine*”.