



Neuropathology Program Director Chris Dunham with Neuropathology Resident Fahad Alghamdi



Neuropathology Resident Zahra Al-Hajri

Pathology Residency Programs

MICHAEL NIMMO

Annual Events

The successful completion of residency training is an accomplishment worthy of celebration. Each May, residents, their guests and staff gather for an evening to acknowledge this milestone. The grad dinner was at the Royal Vancouver Yacht Club. Highlights of the festivities included a look ahead at the future plans of graduates as they received their training certificates.

The PMI course “Professionalism and Ethics” was held June 24th and 25th 2013. This two day workshop provided a foundation of relevant ethical principles and commonly encountered scenarios, including a review and consideration of current issues and challenges in medical professionalism.

Congratulations to our 2012/2013 Graduates



DR. ZAHRA AL-HAJRI

- UBC Neuropathology (2010 -2013)



DR. FAHAD ALGHAMDI

- UBC Anatomical Pathology (2006-2010)
- UBC Neuropathology (2010 -2013)



DR. RASHMI GOSWAMI

- Residency/ Fellowship Program Hematopathology (2012-2013)



DR. SALWA EL MATI

- UBC Hematopathology (2009-2013)



Malcolm Hayes and Anatomical Pathology Chief Resident Patrick Wong



Anatomical Pathology Program Director Diana Ionescu and AP Resident Tawny Hung



Hematopathology Resident Salwa El Malti



Malcolm Hayes and AP Chief Resident Jason Morin

Dr. Melvyn Bernstein Award

The Melvin Bernstein Award is to recognise faculty members for outstanding contributions to the residency programs.

The award is intended to recognize faculty members who are involved not just in resident academic education, but who are also involved in professional education and mentoring of residents. **Dr. Malcolm Hayes** (2011 AP) and **Dr. Michael Nimmo** (2012 GP) are the recent recipients of this teaching award.

***History of Dr. Melvyn Bernstein Award:** Dr. Melvyn Bernstein was head of Medical Biochemistry at UBC Hospital in the 1990s. He passed away at an early age from glioblastoma multiforme. This award was created in honor of his contributions to the department. Awardees are recognized for their outstanding efforts to resident academic and professional education and/or mentorship. We would like to honor awardees for outstanding contributions to not just resident academic education, but also for professional education as well as mentorship. One member from the Department of Pathology will be recognized each year.*



DR. HANS FRYKMAN

- UBC Medical Biochemistry (2009-2013)



DR. CHRISTOPHER CONKLIN

- UBC Anatomical Pathology (2008-2013)



DR. TAWNY HUNG

- UBC Anatomical Pathology (2008-2013)



DR. EHSAN DAVANI

- UBC General Pathology (2009-2013)

NEW GENOMICS COURSE FOR PATHOLOGY RESIDENTS

**TENTATIVE DATES: JAN 6-10, 2014,
(SUBJECT TO CHANGE).**

We have developed a highly integrative, practical and focused approach to genomics teaching for residents and trainees in the Department of Pathology and Laboratory Medicine to be offered as a 1 week intensive program in Jan 2014. Simple genetic tests with a limited detection threshold are gradually being replaced by multiplex, deeply interrogative assays which coincide with the recent revolutions in massively parallel sequencing and advanced molecular profiling technology. This is further propelled by simultaneous ongoing discoveries of novel cancer pathway aberrations that drive the development and clinical application of novel targeted therapeutics. More questions are being asked of the pathologist and biopsied tissues are getting smaller. This course provides the residents a review and refresher of relevant topics in genomics and epigenomics followed by a survey of available clinically significant molecular diagnostic assays as well as bioinformatic tools.

Genomic medicine and lab medicine, especially pathology, are natural and symbiotic partners in the future of patient care. In many cases, molecular diagnostic assays complement rather than supplement “glass-based” pathology. For example, correct identification of tumor cells and estimation of tumor fraction facilitates downstream analysis. In an era of personalized medicine, understanding of the genomic and epigenomic makeup of a disease lesion, *via* the appropriate application of advanced molecular tests and bioinformatic analytic tools, represents a logical progression from special stains to epitope-specific antibodies to genetic tests, for making an accurate and informative diagnosis. We will draw from the community of local experts at UBC, the Michael Smith Genome Sciences Centre, the Centre for Disease Control and the BC Cancer Agency in the fields of molecular pathology, molecular biology, microbiology, bioinformatics and genomics to offer an immersive introductory program on current state of the art and emergent technologies and their applications.



Sohrab Shah



Stephen Yip

The core competencies students will obtain and the course outline are listed below:

Core competencies:

- Solid understanding of the concepts of human molecular biology including the human genome, resources to navigate it, the nature and extent of human genetic variation as it applied to pathology and genetic disorders
- Available and emerging molecular assays for diagnosis
 - understanding the nature of the test, its limitations and assumptions for interpretation
 - appreciate that specific molecular variants can lead to unique histopathology, biochemical findings, and biological behaviour with direct impact on clinical management of patients
 - understand that careful evaluation of the tissue (for extraction of genetic material) and proper pathologic diagnosis are necessary prerequisites for molecular assays
- Understand qualitative differences between human genomes and prokaryotic genomes and highlight the role of genomics in the field of microbiology and infectious diseases
- Understanding the role of computation and bioinformatics in emergent assays

Syllabus, lead instructors: Dr. Stephen Yip and Dr. Sohrab Shah

Day 1: *Concepts in molecular biology*

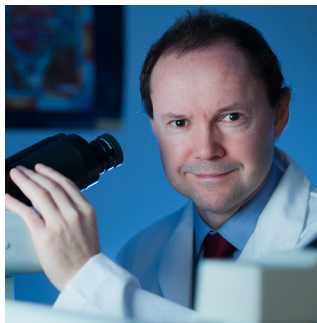
Day 2: *Diagnostic tests in 'omics'*

Day 3: *Whole genome/transcriptome approaches + systems biology*

Day 4: *Pathogen genomics*

Day 5: *Future trends near and long term*

AWARDS AND ACCOMPLISHMENTS



David Huntsman



Torsten Nielsen

Torsten Nielsen and David Huntsman receive Canadian Cancer Society Awards

Torsten Nielsen, Professor in the Department of Pathology & Laboratory Medicine and Clinician Scientist at the BC Cancer Agency, received the **2012 Young Investigator Award**. The Young Investigator Award is given to a promising young Canadian investigator judged to have made outstanding contributions to basic biomedical research and had the potential to lead to, or has led to, better understanding of cancer, improved cancer treatments, cures or new advances in cancer control.

Dr. Nielsen is an international leader in the development of new diagnostic tools and predictive clinical tests that lead to improved treatments. His research focus is in the areas of breast cancer and musculoskeletal tumours. Dr. Nielsen shared the award with Aaron Schimmer, an Associate Professor in the Departments of Medicine, Medical Biophysics, and Institute of Medical Sciences at the University of Toronto.

David Huntsman, Professor in the Department of Pathology & Laboratory Medicine and Clinician Scientist at the BC Cancer Agency, received the **2012 William E. Rawls Prize**. The William E. Rawls Prize is given to a young investigator whose work has led to important advances in cancer control within the past decade.

Dr. Huntsman is a leader in the field of genetic abnormalities. His notable contributions to the genetics of familial gastric cancers and ovarian cancer have changed the way these diseases are studied, diagnosed and managed.

The 2012 research awards were presented on June 5 by the Canadian Cancer Society at their annual research brunch.



Celebrating Excellence in the Faculty of Medicine

Six faculty members of the Department of Pathology and Laboratory Medicine have been recognized for excellence in teaching, research, administration, innovation and public service by the Faculty of Medicine, UBC. Please join us in congratulating our latest award recipients:

Dr. Malcolm Hayes: Clinical Faculty Awards for Career Excellence in Clinical Teaching

Dr. Richard Crawford: Clinical Faculty Awards for Excellence in Clinical Teaching

Dr. Jay Kizhakkedathu: Distinguished Achievement Awards for Excellence in Basic Science Research

Dr. Sohrab Shah: Distinguished Achievement Awards for Overall Excellence – Senior Faculty

Dr. Sam Aparicio: Distinguished Achievement Awards for Overall Excellence – Early Career

Dr. Michael Nimmo: UBC Killam Teaching Prize



DR. JUDY ISAAC-RENTON
RECENTLY RECEIVED THE
HIGHLY PRESTIGIOUS 2013
AMERICAN SOCIETY FOR
MICROBIOLOGY (ASM)
GEN-PROBE JOSEPH
PUBLIC HEALTH AWARD