

Student Research News e-bulletin

April 5, 2013

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[BC Clinical Genomics Travel Awards](#) – ongoing

For additional funding opportunities visit: http://med.ubc.ca/research/md_undergrad/

Upcoming Events

[The 2nd Annual Norman Bethune Symposium](#)

Date: April 17, 2013 (all day)

Location: Simon Fraser University Harbour Centre (555 West Hastings St., Vancouver, BC)

Dr. (Henry) Norman Bethune (1890---1939) was a Canadian physician who in the 1930s spearheaded the implementation of the first practical mobile blood collection and distribution system and promoted universal access to health care. This symposium is held in his honour and will be informative and entertaining, with participation of a full range of scientists and clinicians at all levels of training.

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[People and places: A health geography approach to preventing cancer](#)

Date: April 17, 2013; 1:00-2:00 pm

Location: Room 143, UBC School of Population and Public Health (2206 East Mall)

The Cancer Prevention Centre is proud to present *People and places: A health geography approach to preventing cancer* with Dr. Trevor Dummer, PhD. Dr. Dummer is a candidate for the Cancer Prevention Centre's faculty position. He is an Associate Professor in the Department of Pediatrics at Dalhousie University and Research Director of the Atlantic PATH Project, part of the national Canadian Partnership for Tomorrow cancer cohort study. He is a health geographer whose research includes the relationship between obesity and the built environment and cancer and environmental exposures. He leads projects on cancer prevention through community knowledge translation.

[Providence Health Care Public Forums: Let's Talk About: Arthritis](#)

Date: April 17, 2013; 7:00 - 9:00 pm

Location: St. Paul's Hospital – Lecture Theatre , Level 1, Providence Bldg

The Department of Medicine and the St. Paul's Hospital Foundation are pleased to present a series of public lectures to be held at St. Paul's Hospital on the third Wednesday of each month. These forums are open to the public and the registration is free.

Dr. Kam Shojania, Clinical Professor; Heads Divisions of Rheumatology, Providence Health Care & UBC

Intended for patients (and their family members), who have been affected by arthritis, those who are at risk and those who just want to know more about this devastating disease. The presentations will focus on the major risk factors for arthritis, how to reduce this risk and how to help patients feel better and live more functional and healthier lives. The presentations will also highlight the latest in treatment and the ongoing research at St. Paul's Hospital.

For more information and to register email your name and contact information to ownyourhealth@providencehealth.bc.ca or call 604-806-8495.

[Café Scientifique Victoria – Rewiring Cancer: Using the Drivers of Cancer to Kill it](#)

Date: April 23, 2013; 6:30 pm

Location: Strathcona Hotel, Maple room, Victoria (919 Douglas Street); **19+**

Sometimes science at a university happens in a way that is isolated from the general public. Café Scientifique is an informal seminar series hosted by the U Vic Centre for Biomedical Research that provides insight into health-related issues and general science topics of popular interest to the general public. These seminars are opportunities for the public to meet local researchers and discuss some of the most interesting and sometimes contentious research currently underway in Canada.

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Speaker: [Dr. Perry Howard](#); Associate Professor, joint appointment in Biochemistry/Microbiology and Biology departments, U Victoria; Member of the Centre for Drug Research and Development, UBC.

As seats are limited, please contact cfbr@uvic.ca or 250-472-4067 for RSVP or for more information.

[The 9th D. Harold Copp Lecture: On Being the Right Cell Size](#)

Date: May 7, 2013, 4:00pm

Location: LSC 1, UBC Life Sciences Institute (2350 Health Sciences Mall, Vancouver)

Speaker: [Marc W. Kirschner](#), PhD; Professor and Founding Chair, Department of Systems Biology, Harvard Medical School, Boston, MA

The study of cell growth has been limited primarily by the lack of accurate enough means of measuring the growth of cells as they traverse the cell cycle. There are several theoretical models of growth that have been impossible to evaluate because the methods for measuring growth have been too inaccurate to distinguish among them. To approach these questions we have developed two new analytical techniques of exquisite sensitivity. The new measurements obtained via these techniques suggest that there is a sizing mechanism in mammalian cells that reduces variation in the cell cycle by affecting growth rate and size dependence of growth rate. Such a mechanism is liked to be tuned and respond differently in different cell types and under different conditions.

[2013 Wall Exchange – Bugs 'R Us: The Role of Microbes in Health, Disease and Society](#)

Date: May 21, 2013 7:30pm (Doors open at 6:30)

Location: Vogue Theatre, 918 Granville Street, Vancouver

The Peter Wall Institute for Advanced Studies presents the Spring 2013 Wall Exchange. **Dr. B. Brett Finlay**, Peter Wall Institute Distinguished Professor, will speak on Bugs 'R Us: The Role of Microbes in Health, Disease and Society. Come early to hear the Oscar Hicks Jazz Sextet!

Tickets may be ordered through the Vogue Theatre <http://voguetheatre.com/detail.php?id=434> This FREE public event is suitable for all ages.

Abstract: The microbiota (also known as normal flora) of the human body is comprised of thousands of species of microbes. In fact, the number of microbes in and on our body outnumbers human cells by a factor of 10, and one gram of human feces contains more bacteria than all humans in the world. Only recently have we begun to appreciate the role of these organisms in health, impacting on diarrhea, obesity, various bowel diseases, type I diabetes, asthma, and even brain development. In developed countries, we have gone to great lengths to minimize our exposure to microbes, both pathogenic and harmless. The Hygiene Hypothesis suggests that perhaps we have gone too far, as hominids have evolved in a sea of microbes, and actually need exposure to microbes early in life to develop normally.

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This talk will explore exciting new research on the role of the microbiota in health, mechanisms used by microbes to cause disease, and new approaches to counter infections, including potentially using the microbiota to prevent other diseases.

Event Reminders

[Clinical Research Ethics Board Office Drop-In Sessions](#) – Every 2nd & 4th Monday of the month

CONFERENCE: [Global Trends and Issues in Clinical Research](#) – Registration Deadline: Monday, April 15, 2013; EVENT: April 23, 2013

CONFERENCE: [Canadian Conference on Medical Education](#) – April 20-23, 2012

For additional event listing visit: http://med.ubc.ca/research/md_undergrad/events/

Ongoing Seminar Series

Please follow this [link](#) for a list of ongoing events and seminar series that may be of interest to MD undergraduate students.

[MD/PhD Building Bridges Seminar Series](#)

Date: May 6, 2013, 6:00 – 7:00 pm

Location: Medical Student Alumni Centre, 12th Avenue & Heather Street, Vancouver, BC;

Videoconference: Victoria: MSB 107, Kelowna: KGH 237.

This well established seminar series is aimed at illustrating the relationship that exists between clinical practice and medical research. The meetings offer a casual and relaxed atmosphere to profile individuals who have successfully combined both clinical and research aspects into their medical careers. In addition to talking about their active research, the invited speakers also talk about their experiences, discuss their training background, share their advice for prospective clinician-scientists, and offer their opinions on career development options for clinician-scientists. All faculty, clinical investigator trainees and students in the Faculty of Medicine are invited.

Speaker: **Dr. Evelyn Stewart**, Associate Professor, Division of Clinical & Behavioural Neurosciences, Department of Psychiatry, UBC; Senior Clinician Scientist, Child & Family Research Institute

Dr. Evelyn Stewart is the Founding Director of the Pediatric Obsessive-Compulsive Disorder Clinic and Research Program at B.C. Children and Women's Health Centre. She is a clinical, genetic and neuroscience researcher, as well as a child and adult psychiatrist. Her research focuses on genomic, phenotypic, and treatment aspects of childhood-onset neuropsychiatric disorders, such as obsessive-compulsive disorder (OCD). Dr. Stewart has authored over 50 original papers, reviews and chapters on genetic, clinical, and treatment aspects of OCD, Tourette's Disorder, and related illnesses. She sits on the Scientific Advisory Board of the International OCD Foundation, on the Medical Advisory Board of

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the Tourette Syndrome Association and is Co-director of the International OCD Foundation Genetics Collaborative. Dr. Stewart will share her story on how she was able to build a successful career and balance the demands of clinical work and research.

Additional Research and Scholarship Opportunities & Resources

Volunteer Research Assistant – CIPHER study (Dr. Peter von Dadelszen)

CIPHER – the Collaborative Integrated Pregnancy High-dependency Estimate of Risk study.

Principal Investigator: Dr Peter von Dadelszen; study co-coordinator: Dr. Helen Ryan

The aim of our study is to develop and evaluate a prediction tool for maternal morbidity or mortality for pregnant or recently delivered women in ICU. This study is multidisciplinary and international: it involves multiple medical disciplines, and multiple sites within Canada and in 10 countries worldwide with different levels of health care. The study involves a retrospective review of cases of critically ill pregnant and post-partum (up to 42 days) women who were admitted to ICU for >24 hours over a twelve year period (2000-2012) to identify variables that will be used in the development of a new clinical prediction model that will be applicable to any cause of maternal morbidity or mortality for obstetric patients in the ICU.

We are looking for students (medical or pre-medical) interested in working on our study, which would involve data entry into the online database for the study. This encompasses the patient's medical history, indication for transfer to ICU, lab results & investigations in ICU, as well as collecting maternal and perinatal outcomes. In Vancouver, we are going to be collecting data in both BC Women's hospital and Royal Columbian Hospital. This is due to start in May. We are hoping to have the data collection completed by the end of the summer.

Interested students are asked to contact the study coordinator, Dr. Helen Ryan:

Dr. Helen Ryan MBBChBAO MRCPI

Clinical Research Fellow

Department of Obstetrics & Gynaecology; Division of Maternal Fetal Medicine

Ph: +1-604-875-2345 ext 7933; helen.ryan@cw.bc.ca

Reminders

[U21 UNMDG Student Poster Competition](#) – Deadline: May 31, 2013; 5:00 pm PST

[Vancouver Coastal Health Research Institute \(VCHRI\) Researcher Directory](#)

[New CFRI Trainee website](#)

[This changed my practice \(online resource\)](#)

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Remember additional research and scholarship information and resources are available on the FoM Research Office Website: http://med.ubc.ca/research/md_undergrad/
