

Student Research News e-bulletin

June 6, 2014

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Funding Opportunities and Awards

[ASN Foundation for Kidney Research Student Scholar Grant](#)

Deadline: Sept 5, 2014

The purpose of the ASN Foundation for Kidney Research Student Scholar Grant is to enable medical students with an interest in either basic or clinical research to spend 10 to 52 weeks engaged in continuous full-time research in a nephrology lab. The student must work with a mentor that is a current ASN member. This program is open to both Canadian and American medical students. MD-PhD students or who students who already hold another source of funding are not eligible for the program.

Funding Reminders

[Canadian Physician Health Institute: Special Projects Fund – Call for proposals](#) - June 9, 2014

[RHSRN BC Conference Travel Bursary application](#) – ongoing

[Mitacs Globalink Research Award \(Travel to conduct research\)](#) – ongoing

For additional funding opportunities visit: <http://med.ubc.ca/current-learners/research/funding/>.

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Upcoming Events

Laboratory and Workplace Safety Training

Date: varies, many courses are available as online modules

Location: varies

Just a reminder that all researchers are required to complete the [training courses](#) required for their specific project(s). UBC training is offered free to UBC faculty, staff and students. Students at the distributed campuses should contact their local health and safety office for training requirements.

UBC Point Grey: <http://riskmanagement.ubc.ca/courses>

UBC Okanagan: <http://www.ubc.ca/okanagan/hse/safety.html>

University of Victoria: https://ohs.uvic.ca/research_safety/index.php

University of Northern BC: <http://www.unbc.ca/safety/lab-safety>

Common Courses at UBC Point Grey include: [Introduction to Laboratory Safety](#), [Laboratory Chemical Safety](#), [WHMIS](#), [Laboratory Biological Safety](#) and [Radiation Safety](#). Additional course may be required for those working with specific hazards (e.g. the Bloodborne Pathogens course at University of Victoria, LASER Safety, etc.). Students should also complete any additional unit/facility required safety training or orientations and receive a site-specific safety orientation for their worksite. The safety orientation should include a basic orientation to locate safety equipment (eye wash, spill kit, fire exits etc.) as well as information on local safety policies and procedures. Your supervisor should also identify and explain hazards specific to your project before you start work.

[Non-communicable disease crisis: United Nations, WHO, and global responses](#)

Date: June 9, 2014; 9:30-10:30 am

Location: Room B104 (basement), 2206 East Mall, School of Population and Public Health, UBC or available online through Adobe Connect (see website for details).

Speaker: Dr. Nizal Sarrafzadegan, MD; Professor of internal medicine & cardiology, Isfahan University of Medical Sciences, Iran; Founding Director, Isfahan Cardiovascular Research institute.

Non-communicable diseases (NCDs), including cardiovascular diseases, diabetes, cancers, and chronic respiratory diseases, are the leading causes of death globally with 80% of deaths occurring in low- and middle-income countries. A quarter of global NCD-related deaths occur before the age of 60. However, most deaths could be prevented by evidence-based, cost-effective, and feasible interventions because the four most common NCDs are primarily caused by four modifiable behavioural risk factors: tobacco use, unhealthy diet, insufficient physical activity, and alcohol consumption. As the epidemic continues to accelerate, there is pressing need for stronger, more focused international and country responses. This presentation will provide an overview of the WHO's Global Strategy for the Prevention and

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Control of NCD's, as well as an overview of other international initiatives. For more information and to register for the event, please visit the website (hyperlinked above).

WORKSHOP: How to Write an Effective Animal Care Protocol

Date: June 10, 2014; 9:00-11:00 am

Location: UBC Office of Research Services (102-6190 Agronomy Road)

This free session is for Principal Investigators, Students, Staff and anyone else likely to fill out an animal ethics application. If you've ever wanted to learn or have a refresher on how to write a great Animal Care Protocol, here is your opportunity to learn from some of the Animal Care Committee members. You will learn about the level of detail to include, sections of the application that are commonly omitted or incomplete, and key things the Committee looks for when reviewing protocols.

Please RSVP to Roger Chow (roger.chow@ors.ubc.ca) if you're interested as space is limited to approximately 12 attendees. For a more current list of dates, please visit the website (hyperlinked above).

UBC Animal Care Committee – Drop-in session

Date: June 25, 2014; 9:00-11:00 am

Location: UBC Office of Research Services, 102-6190 Agronomy Road

The Animal Care Committee offers regular drop-in hours for faculty, staff or students wishing to meet with a member from the Animal Care Committee. These times facilitate dialogue on animal-related matters, such as provisos related to a protocol, assistance and advice on submitting a new protocol, or information on animal procedures.

Please RSVP to Roger Chow (roger.chow@ors.ubc.ca) if you're interested as space is limited. For a more current list of dates, please visit the website (hyperlinked above).

10th D. Harold Copp Lecture: Cell Membranes: Subcompartmentalization Driven by Phase Separation

Date: June 24, 2014; 4:00-5:00 pm

Location: LSC 1, UBC Life Sciences Centre (2350 Health Sciences Mall, Vancouver); Videoconferences: UVic MSB 150/UNBC NHSC 9-200/UBCO RHS 257.

Speaker: Dr. Kai Simons - Research Group Leader and Director Emeritus, Max Planck Institute of Molecular Cell Biology and Genetics

Cell membranes have developed a tremendous complexity of lipids and proteins geared to perform the functions cells require. To coordinate these functions, the bilayer has evolved the propensity to segregate its constituents laterally. This capability is based on dynamic liquid-liquid immiscibility and

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underlies the raft concept of membrane sub-compartmentalization. Key to understanding the principles underlying liquid-liquid de-mixing in cell membranes is the mutual weak interactions between sterols, sphingolipids and raft proteins. The potential for sphingolipid-cholesterol self-assembly combines with protein specificity to dynamically regulate protein segregation within the membrane plane. This mechanism is employed in regulating endocytic or exocytic membrane transport, in transducing specific signals across the plasma membrane or to perform different biochemical reactions dependent on the proteins involved. The regulation of the two dimensional separation of lipids and proteins in membranes into dynamic liquid membrane rafts, separating from the surrounding bilayer, is dependent on the propensity for liquid phase separation. Liquid phase transitions are not confined to cell membranes and are emerging as a general principle driving cellular organisation.

Event Reminders

[8th Annual Lorne D. Sullivan Lectureship and Research Day](#) – June 17, 2014 (all day)

CONFERENCE: [Federation of Medical Women of Canada](#) – Abstracts: July 25th; Event: Sept 19-21, 2014

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

For additional event listing visit: <http://med.ubc.ca/current-learners/research/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: Monday, 16 June 2014, 6:00 – 7:00 pm

Location: Basement VC Room, UBC Medical Student Alumni Centre (2750 Heather St., Vancouver).

Videoconference: Victoria: MSB 131, Kelowna: RHS 227.

This seminar series is aimed at illustrating the relationship between clinical practice and medical research. The meetings offer a relaxed atmosphere to profile individuals who have successfully combined clinical and research aspects into their medical careers. In addition to discussing their active research, the invited speakers also discuss 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. David Scott, Clinician-scientist, Centre for Lymphoid Cancer, BC Cancer Agency

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Dr. David Scott is a recently appointed clinician-scientist at the Centre for Lymphoid Cancer, BC Cancer Agency. Dr. Scott undertook his MBChB/PhD training in Auckland, New Zealand prior to fellowship training in Hematology and Pathology. He came to Vancouver in 2010 as a research and clinical fellow in the Centre for Lymphoid Cancer. His research focus is biomarker development in lymphoid cancers and understanding treatment failure in these diseases.

Additional Research and Scholarship Opportunities & Resources

Reminders

[High Impact Publications E-Newsletter](#)

[University of Alberta Health Sciences Journal – Call for submissions](#) – Deadline: July 1, 2014

[CFRI Research Education Video Library](#)

Additional research and scholarship information and resources are available on the Student Research website: <http://med.ubc.ca/current-learners/research/>.
