

Student Research News e-bulletin

February 28, 2014

Student Research News contact information:
Linda Herbert, Student Research Coordinator
UBC Faculty of Medicine Dean's Office
linda.herbert [at] ubc.ca

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[FoM Department of Pathology & Laboratory Medicine Summer Student Fellowship](#)

Deadline: March 14, 2014

The Summer Student Fellowship Program of the Department of Pathology and Laboratory Medicine, UBC Faculty of Medicine has been established for the purpose of providing undergraduate and medical students with either basic or clinical research experiences, or clinical experiences in laboratory medicine under supervision and mentorship of our Department's Faculty. Applications will be accepted from medical or non-medical undergraduate students enrolled in degree program at UBC at the time of application. Students will receive an award of \$3200 over 2 months. For applications instructions and guidelines please visit the website (hyperlinked above).

[CFRI Summer Student Research Program](#)

Deadline: March 15, 2014

The Child & Family Research Institute's (CFRI) Summer Student Research Program fosters research awareness and interest in the undergraduate and medical community. Approximately 17 studentships are given to top ranked MD and non-MD undergraduate students based on scholarly achievement,

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scientific merit of the proposed project, and the potential benefits applicants will gain from the experience. Students provided with a studentship work up to a maximum of 12 weeks between May and August. It is up to the applicant to contact potential supervisors. Applications will be accepted from investigators based at BC Children's Hospital, BC Women's Hospital & Health Care Centre or the Child & Family Research Institute. Applicants are advised to visit the website for assistance in finding researchers affiliated with CFRI. For applications instructions and guidelines please visit the website (hyperlinked above).

[Child Neurology Foundation Swaiman Medical Scholarship](#)

Deadline: March 26, 2014 (via mail)

The Child Neurology Foundation (CNF) announces the availability of up to ten (10) summer clinical research scholarships for first- and second-year **U.S. and Canadian medical students** who have an interest in child neurology. Awards will be made for clinical research in child neurology, to be conducted under the direction of a child neurologist during the summer break. Selected applicants receive a \$3,500 scholarship for their summer project. For applications instructions and guidelines please visit the website (hyperlinked above).

Funding Reminders

[Canadian Blood Services Summer Internship Program](#) – Feb 28, 2014

[William B. Bean Student Research Award](#) – March 1, 2014

[ASPET Zannoni Summer Undergraduate Research Fellowship \(SURF\)](#) – March 1, 2014

[Stem Cell Network Undergraduate Research Training Award](#) – March 6, 2014

[Stem Cell Network Clinical Student Research Training Award](#) – March 6, 2014

[ASN Foundation for Kidney Research Student Scholar Grant](#) – March 7, 2014

[Canadian Rheumatology Association \(CRA\) Summer Studentship Programs](#) – March 7, 2014

[Child and Family Research Institute Summer Studentship](#) – March 15, 2014

[Society for Vascular Surgery Student Research Fellowship](#) – March 17, 2014

[Canadian MPS Society's Summer Studentship Research Grants](#) – March 30, 2014

[Canadian Liver Foundation Summer Studentship](#) – March 31, 2014

[SQAN Studentship Award Competition](#) – March 31, 2014; 4:00 pm

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

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

For additional funding opportunities visit: <http://med.ubc.ca/research/students/funding/>. .

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Upcoming Events

[LSI Public Talk – Stroke: Researching Channels and Delivering Therapies](#)

Date: March 5, 2014; 6:00-8:00 pm

Location: UBC Centre for Brain Health, Lecture Theatre (below the main floor); 2215 Wesbrook Mall

****Live webcast also available from event website****

The Life Sciences Institute proudly hosts LSI Public Talks, an informal and open forum that aims to bring the latest and greatest ideas in the area of the Life Sciences to the public. This year's series will focus on Personalized Medicine and how the LSI faculty, staff and students are working to change clinical practice, improve health outcomes, and reduce health costs.

Speakers: **Dr. Brian MacVicar**: Professor & Canada Research Chair in Neuroscience; Dept. of Psychiatry, UBC Brain Research Centre. **Dr. Michael Tymianski**: Professor & Canada Research Chair in Translational Stroke Research; Head of Neurosurgery, Toronto Western Hospital. **Dr. Andrew Penn**: Director, Stroke Rapid Assessment Unit; Victoria General Hospital

For every minute delay in treating a stroke, the average patient loses 1.9 million brain cells, 13.8 billion synapses, and 12 km of axonal fibres (Saver, 2006). In spite of the devastating impact of stroke, there have been very limited recent advances in treatment. This event brings together research scientists and clinicians who are leading the way to developing new therapies for stroke.

Please visit the website ([hyperlinked above](#)) to RSVP.

[How to Write an Effective Animal Care Protocol](#)

Date: March 10, 2014 9:00-11:00am OR April 22, 2014; 10:00am-12:00pm

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.

[Neurology, Neuroethics, Neurotechnology: the new challenges](#)

Date: March 12, 2014; 12:00-1:00 pm

Location: UBC Centre for Brain Health, Lecture Theatre (below the main floor); 2215 Wesbrook Mall

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Speaker: Dr. Elena Moro, Department of Psychiatry and Neurology, Centre Hospitalier Universitaire de Grenoble.

The recent developments in neuroimaging, biomaterials and bioengineering have revolutionized the treatment approach to several neurological disorders. These technological advances have also allowed elucidating the pathophysiological basis of several movement disorders. In particular, deep brain stimulation (DBS) has emerged as both an effective treatment for several movement and psychiatric disorders, and a powerful tool for understanding the role of the cortico-thalamic-basal ganglia loop. However, despite the great success of DBS, the medical community, the patients and their caregivers have also started to face with new challenging ethical issues. Between them, the invasive nature and the cost of the procedure, the DBS possibility to “release” some brain mechanisms of behavioral control, difficulties in patient’s selection for surgery, and the overall psychosocial impact of DBS in patients and their caregivers, all these points need to be better recognized and managed.

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[UBC Animal Care Committee Drop-in Session Office Hours](#)

Date: March 19, 2014; 1:00-3:00pm OR March 31, 2014; 1:00-3:00pm

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

The Animal Care Committee has implemented pre-scheduled drop-in hours for those wishing to meet with a member of the Animal Care Committee. The scheduled times are designed to facilitate dialogue on matters animal-related. For example, the time could be used to discuss provisos related to a protocol, provide assistance and advice on submitting a new protocol, or provide 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](#)).

[BrainTalks - Synapses and Autism, Schizophrenia](#)

Date: March 20, 2014; 6:00 pm

Location: TBA, please RSVP to event organizers to be updated on location

Talks take place monthly at Vancouver General Hospital. The speakers begin presenting at 6 pm, and afterwards wine and cheese are complimentary in a casual setting.

Speaker: Dr. Ann Marie Craig (UBC) – Professor of Psychiatry, Canada Research Chair in Neurobiology

Research Overview: Specialized connections between nerve cells, called synapses, are the basic units of communication in the brain. We are interested in how nerve cells in the brain make synaptic

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connections and modify connections with experience. We study these questions of synapse development and synapse plasticity mainly from a cellular and molecular viewpoint. This fundamental research bears directly on psychiatric disorders. Genetic variants in multiple synaptic organizing complexes are linked to autism spectrum disorders and schizophrenia. It is our belief that the cellular molecular level studies and animal models we are developing will contribute to rational and effective therapies for these disorders

Please RSVP via the website (hyperlinked above).

[Centre for Blood Research – 2014 Norman Bethune Symposium](#)

Date: April 9, 2014

Location: SFU Segal Building (500 Granville St., Vancouver)

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.

What you can expect to achieve from this symposium: Gain new knowledge of mechanisms of action and use of IV and SC IG; acquire new insights into future therapies for hemophilia and bleeding disorders; further your knowledge about the challenges of international medicine in the field of transfusion; and learn of future means of preventing alloimmunization.

Registration fees have been waived for residents and students. For registration and program details please visit the website (hyperlinked above).

Event Reminders

CONFERENCE: [Brain Matters! Vancouver](#) – Mar. 12-14, 2014

CONFERENCE: [eHealth and Innovative Technology](#) – May 9, 2014; REG. DEADLINE March 25, 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/research/students/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](#)

Additional Research and Scholarship Opportunities & Resources

Research team seeking student partner for CLF Summer Studentship in Pediatric Liver Disease

A research team from the Division of Gastroenterology, Hepatology and Nutrition at BC Children's Hospital is seeking an MD student partner for their neonatal cholestasis study: ***Neonatal Cholestasis In British Columbia: A Quality Of Care Study***. The selected student will submit an application for studentship funding to the Canadian Liver Foundation (CLF) prior to the March 31st deadline and then if successful will continue with the team for the duration of the summership.

BACKGROUND

Neonatal cholestasis, defined as the presence of jaundice caused by an elevation in the conjugated fraction of serum bilirubin, indicates liver disease and is a potentially serious problem in early life. Although newborn cholestasis occurs infrequently, reported to affect approximately 1 in 2,500 live births, early recognition and timely intervention is often critical to a successful outcome. In 2009 we introduced a BC provincial wide laboratory policy for the assessment of jaundice in the neonate and young infant with the view to optimize the earliest identification of jaundiced infants who have rare neonatal cholestatic diseases. Specific recommendations for the laboratory assessment of bilirubin levels in the neonatal and infant period were circulated to all BC laboratory facilities including both private and hospital based testing centers. For all infants >7 days of age to one year of age at the time of bilirubin testing, laboratories throughout the province were instructed to measure and report both the total serum bilirubin and the conjugated fraction of bilirubin on all cases.

STUDY GOAL

The overall goal of this proposal is to enhance our performance of a 'quality' assessment of the provincial bilirubin policy since its implementation in 2009

STUDY AIMS

1. To assess compliance with the provincial wide bilirubin policy among all laboratories in the province of British Columbia.
2. To determine the provincial burden of cholestatic liver disease in infants aged >7 days to 1 year.
3. To assess the follow up and clinical outcomes for neonatal cholestasis among a cohort of jaundiced newborns tested for bilirubin at a pediatric tertiary care centre (BCCH).

APPLICANT

The applicant should be a student in the MD undergraduate program at UBC. We are seeking a highly organized, self-motivated and enthusiastic candidate who has superior writing skill and experience

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with Window's Excel® as well as other Office® software programs. Knowledge of data analysis and statistics is preferred.

The successful candidate will be directly mentored by the Hepatologists at BC Children's Hospital. The project provides excellent opportunity to learn many aspects of clinical research. For further information about the CLF summer studentship please go to [Summer Studentship 2014 Guidelines](#).

Interested Applicants should submit a letter and a copy of their CV to Dr. Orlee Guttman, Division of Gastroenterology, Hepatology & Nutrition, BC Children's Hospital **by March 17th** oguttman@cw.bc.ca.

Reminders

[UBC Medical Journal Call for Submissions](#) – **deadline extended until March 14, 2014**

[Free Statistical Analyses -- UBC Department of Statistics](#)

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