

# Student Research News e-bulletin

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Student Research News contact information:

[www.med.ubc.ca/srn](http://www.med.ubc.ca/srn)

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## Funding Opportunities and Awards

### [NIH Medical Student Research Program in Diabetes](#)

**Deadline: Jan 26, 2015 (extended from Jan 12<sup>th</sup>)**

The Medical Student Research Program in Diabetes is sponsored by the National Institutes of Health through the NIDDK and allows **medical students who are US citizens or permanent residents** to conduct research under the direction of an established scientist in the areas of diabetes, hormone action, physiology, islet cell biology or obesity at an institution with one of the [NIDDK-funded Research Centers](#) during the summer between the first and second year or second and third year of medical school. The Program helps students gain an improved understanding of career opportunities in biomedical research and a comprehensive understanding of diabetes, its clinical manifestations and its unsolved problems. Prior research experience is not required. Visit the website

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### [UBC Faculty of Medicine – 2015 FoM Summer Student Research Program](#)

**Deadline: Feb 13, 2015; 4pm**

The Faculty of Medicine Summer Student Research Program (FoM SSRP) is a competition open to **non-MD undergraduate students and first and second year MD students registered at UBC**. It provides funding for a summer research project supervised by a member of the Faculty of Medicine (FoM). Funding of up to \$3200 is

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provided in the form of a student stipend; supervisors are responsible for all other expenses. Applications are submitted by student-supervisor teams.

For contact information, forms, and program procedures, please see the [FoM SSRP website](#).

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### [UBC Faculty of Pharmaceutical Sciences Summer Student Research Program](#)

**Deadline: Feb 13, 2015**

The Faculty of Pharmaceutical Sciences provides opportunities for **undergraduate students** to participate in research conducted within the Faculty of Pharmaceutical Sciences over the summer months. The program is open to students in good standing at a Canadian university in a related bachelor's degree program, for example, pharmacy, basic sciences, applied sciences, health sciences, materials science, engineering, statistics, economics, medicine, nursing and more. For program details and application materials please visit the website (hyperlinked above).

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### [The ASH Hematology Opportunities for the Next-Generation of Research Scientists Award \(HONORS\)](#)

**Deadline: Feb 20, 2015**

The American Society for Hematology (ASH) Hematology Opportunities for the Next-Generation of Research Scientists Award is intended **for medical students and residents** (residents are defined as trainees who have not yet entered a hematology-related training program) in the United States, Canada, or Mexico with an interest in hematology research. The award will provide the recipient with a \$5,000 stipend to conduct either a short hematological research project for a minimum of three months, or a long hematological research project between three and 12 months. The stipend will be distributed in instalments, the last of which is dependent upon the receipt of the final report submitted by the recipient. All recipients will also receive \$1,000 each year for two years to support attendance at the ASH Annual Meeting.

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### [Canadian Blood Services \(CBS\) Summer Internship Program](#)

**Deadline: Feb 27, 2015**

The aim of the Canadian Blood Services (CBS) Summer Internship Program (SIP) is to attract and support **undergraduate students** who are currently enrolled in Canada's post-secondary institutions to contribute to, and experience from, working on projects within any division of Canadian Blood Services. This program is offered to students from any field relevant to the business of Canadian Blood Services. Applicants are encouraged to read the guidelines, application and other documents to familiarize themselves with the application process.

To facilitate the "matching" of potential students and supervisors for the SIP an updated contact list for all locations is available on the website (hyperlinked above). Applicants may email/phone the contact person for the location at which they are interested in working. The contact person will then try to match up the applicant's expertise with a supervisor/position in their location.

\*Note that the list of scientific staff provided online may be of interest to students seeking a research supervisor in this area of research for other opportunities as well.

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### [CRA Summer Studentship Programs \(2 programs\)](#)

**Deadline: Feb 27, 2015**

There is a high demand for new rheumatologists in Canada. The Summer Studentship programs are an excellent way for medical students to garner experience and interest in our important subspecialty.

The CRA has an ongoing clinical Summer Studentship (sponsored by Abbott) designed for **medical students** registered in a Canadian University Medical School. This experiential program selected students to work with a rheumatologist who is a member of the CRA.

The CRA is also pleased to offer a research-based Summer Studentship (sponsored by Roche) designed to introduce medical students of Canadian citizenship, registered in a medical school, to the subspecialty of Rheumatology. The format of this program entails connecting a student with a CRA preceptor who has an available Rheumatology research project. These respective research projects must enable participating students to make a significant contribution over the course of the summer.

For further information on these two exciting CRA Summer Studentship programs please visit our website.

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### [William B. Bean Student Research Award](#)

**Deadline: Mar 1, 2015**

The American Osler Society announces the availability of an award for support of research in the broad areas of medical history and medical humanities. Currently enrolled **MD students** in approved schools of medicine in the United States or Canada (includes UBC) are eligible to apply. The successful applicant may be eligible to present a paper based on his or her findings at the annual meeting of the American Osler Society. The stipend for the coming year will be \$1,500, and up to \$750 additional may be available to support travel to the annual meeting contingent on submission of a paper acceptable to the Committee at the conclusion of the studentship. See website (hyperlinked above) for application procedures.

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### [Zannoni Summer Undergraduate Research Fellow \(SURF\) Award](#)

**Deadline: Mar 1, 2015**

American Society for Pharmacology and Experimental Therapeutics (ASPET) is pleased to offer the Zannoni Summer Undergraduate Research Fellow (SURF) Award to introduce **undergraduate students** to pharmacology research in order to heighten interest in science as a career, with an emphasis on pharmacology graduate training to increase the number of young scientists entering the research discipline of pharmacology. The Sponsor must be an ASPET Regular Member in good standing or a Retired Member who is still active in research. It is expected that the student will work on a research project for a minimum of 10 weeks. The Sponsor is expected to sponsor the SURF Fellow for student membership in ASPET at the beginning of their summer research experience. Applications from women and underrepresented minorities are particularly encouraged.

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### [Mitacs Globalink: mobility opportunities between Canada & France](#)

**Deadline: Mar 13, 2015**

Mitacs is pleased to offer student mobility opportunities between Canada and France. The Mitacs Globalink Research Awards – Sorbonne Universités and Campus France provide the opportunity for faculty members, **senior undergraduate** and graduate students at Canadian universities to participate in 12– to 24–week research projects supervised by a faculty member at a the eligible institutions.

[Globalink Research Award – Campus France](#)

[Globalink Research Award – Sorbonne Universités](#)

Funding and eligibility criteria may vary, please see the website (hyperlinked above) for details. Mitacs also offers the [Globalink Research Award](#) for research collaborations in Brazil, China, India, Mexico, Turkey, and Vietnam. Apply by **February 6, 2015**, for projects starting in summer 2015.

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### [UBC Centre for Blood Research Summer Studentship Program](#)

**Deadline: Apr 1, 2015**

Are you a student looking for summer research experience? The CBR Summer Studentship Program could be just what you are looking for! The program consists of various site tours, hands-on lab experience, relationship building through social events and a presentation of your research project to the CBR.

There are two options to apply:

1. Contact a PI or a Postdoctoral Fellow you are interested in to apply with.
2. If you can't find a PI or a PDF, apply through a general application\*:

Submit your CV and Letter of Interest by March 15, 2015 to [anna.sinova@ubc.ca](mailto:anna.sinova@ubc.ca). Letter of Interest should describe your relevant accomplishments, interests, and career goals. Maximum length for CV is 2 pages and for Letter of Interest is 1 page. \*Most summer students are hired through contacting the PIs directly. Only a small proportion get in through a general application. See the website for full application eligibility and details.

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### Funding Reminders

[BTFC Brain Tumour Research Studentship](#) – Jan 16, 2015

[American Pediatric Society & Society for Pediatric Research Student Research Program](#) – Jan 23, 2015

[Canadian Association of Gastroenterology Summer Studentships](#) – Jan 31, 2015

[Can. Foundation for Infectious Diseases – AMMI Canada Medical Student Research Award](#) – Jan 19, 2015

[Can. Foundation for Infectious Diseases Undergraduate Summer Research Awards](#) – Jan 19, 2015

[2015 Sandra Rotman Centre and Grand Challenges Canada's Summer Student Program](#) – Jan 23, 2015

[Parkinson's Disease Foundation Summer Student Fellowship](#) – Jan 26, 2015

[Charles Hollenberg Summer Studentship Program 2014](#) – Jan 27, 2015

[Cystic Fibrosis Canada Summer Studentships](#) – Feb 1, 2015

[Gerstner Sloan-Kettering Summer Undergraduate Research Program \(New York\)](#) – Feb 1, 2015

[American Physiological Society \(APS\) Undergraduate Summer Research Fellowships](#) – Feb 1, 2015

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[American Physiological Society Undergraduate Research Excellence Fellowships](#) – Feb 1, 2015

[SIR Foundation Student Research Grant](#) – Feb 1, 2015

[Radiological Society of North America \(RSNA\) Medical Student Grant](#) – Feb 2, 2015

[Alberta Innovates Health Solutions Summer Studentships](#) – Feb 2, 2015

[DeBaKey Summer Surgery Program](#) (Texas) – Feb 5, 2015 \*\*note application must be mailed\*\*

[Neurosurgery Research & Education Foundation MD Student Summer Research Fellowship](#) – Feb 6, 2015

[Eye Foundation of Canada Student Scholarship Program](#) – Feb 6, 2015

[American Society for Hematology Minority Medical Student Award Program](#) – March 10, 2015

[UBC Interstitial Lung Disease \(ILD\) Summer Studentship](#) – March 15, 2015

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

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

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### Upcoming Events

#### [Border Air Quality Study: Does where you live affect your health?](#)

**Date: Jan 20, 2015; 11:30-12:30**

Location: UBC Earth Sciences Building, 2207 Main Mall, Room 4127; Videoconference to UBC-O; U-Vic and UNBC (see website for details)

Speaker: Dr Michael Brauer: Faculty of Medicine, School of Population and Public Health, UBC

Cardiovascular disease is one of the main causes of death in Canada. In the same way that stopping smoking reduces your risk of getting lung cancer, moving away from traffic pollution lowers your risk of getting cardiovascular disease.

The Border Air Quality Study is a cluster of research projects that was designed to support the development of an international strategy for the Georgia Basin-Puget Sound airshed. The University of British Columbia's efforts were focused on establishing cohorts to examine the impact of air pollution on birth outcomes, the development of childhood respiratory disease and adult cardiovascular health using multiple administrative health databases linked to geospatial environmental exposure information developed by the research team. Over 40 researchers from the University of British Columbia, the University of Washington and the University of Victoria were involved in the project which was funded by Health Canada.

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#### [Brain Talks UBC – Robotics and Rehabilitation](#)

**Date: Jan 21, 2015; 6:00-8:00 pm**

Location: Paetzold Auditorium, Jim Pattison Pavilion, Vancouver General Hospital

Speakers:

[AJung Moon](#), PhD Candidate in Mechanical Engineering, Vanier Scholar, CARIS Lab ~ Robo-Ethics

[Nick Snow](#), Masters Candidate in Rehabilitation Sciences, Brain Behaviour Lab ~ Robo-Wrist Rehabilitation

[Navid Shirzad](#), PhD Candidate in Biomedical Engineering, RREACH Lab ~ Rehabilitation Robotics

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As interactive robots become substantially more accessible to the general public in the near future, one of the main concerns for designers is in implementing socially acceptable and ethical human-robot interaction for non-expert users. One approach to addressing this concern is to develop a robot that can take advantage of human moral decision making – much of which are suggested to be based on intuition and strongly connected with the emotional part of the human brain, rather than the rational part of the brain. In this talk, AJung will present the promising, yet cautionary, tales of the moral synergy robots and humans can create. Free wine and cheese reception to follow.

Please [RSVP here](#).

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### **UBC Medicine Undergraduate Research Forum – Call for Abstracts**

**Date: ABSTRACTS: Feb 1, 2015; EVENT: Feb 24, 2015; 8:30 am – 12:00 pm (registration at 8:00 am)**

Location: UBC Life Sciences Centre (2350 Health Sciences Mall, UBC); Video conference: IMP (UVic) – MSB 131; NMP (UNBC) – NHSC 9-200; SMP (UBCO) – RHS 148.

The UBC Medical Undergraduate Society, UBC Medical Journal, MD/PhD Program, and UBC Faculty of Medicine invite abstract submissions for the annual **Medicine Undergraduate Research Forum**. Undergraduate students in the MD Undergraduate Program, Doctor of Dental Medicine Program and Faculty of Medicine Summer Student Research Program (2014 participants only) are encouraged to submit an abstract for presentation. Participants will present both a poster and a lightning oral presentation (1 minute 1 slide). \*Please note that students at the distributed campuses are eligible to present their work via videoconference. See the event website (hyperlinked above) for detailed abstract submission instructions. Start working on your abstract now! This is a great opportunity to discuss your work with faculty and students, hone your presentation skills, and learn about the diversity of research within the Faculty of Medicine.

**Program:** The release of the newest issue of the UBC Medical Journal; Student lightning oral presentations (1 minute 1 slide); Student poster presentations; Keynote speaker [Dr. Adeera Levin](#) discussing incorporating research into medical training and clinical practice.

All interested UBC faculty, staff and students are invited to attend (please [register here](#)).

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### **CHÉOS and BC Centre for Improved Cardiovascular Health (ICVHealth) Special Presentation**

**Date: February 2, 2015; 1:30-3:00 pm**

Location: Hurlburt Auditorium, St. Paul's Hospital, Vancouver, BC

CHÉOS and BC Centre for Improved Cardiovascular Health (ICVHealth) present Dr. John Spertus, Director of Health Outcomes Research at Saint Luke's Mid America Heart Institute and Professor and Daniel J. Lauer Missouri Endowed Chair in Metabolism and Vascular Disease Research at University of Missouri.

Dr. Spertus' research focuses on methods for assessing patients' health outcomes, measuring healthcare quality, and the use of information technology to guide medical decision-making based on risk-prediction models so that treatment can be safer, more cost-effective, evidence-based and patient-centered. He developed the Seattle Angina Questionnaire (SAQ), and the Kansas City Cardiomyopathy Questionnaire (KCCQ), which have both been translated into over 50 languages and are emerging as the gold standards for measuring patients' symptoms, function and quality of life in coronary artery disease and heart failure. Most recently, Dr. Spertus has extended

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his translational research to illuminate the prognostic significance of genetic and other biomarkers on cardiovascular outcomes. His group was one of 4 recipients of the American Heart Association's Outcomes Research Center Awards.

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**[LSI Public Talk : Personalized Medicine: Your Life, Your Genes, Your Health and Happiness](#)**

**Date: Feb 4, 2015; 6:00-8:00 pm**

Location: Location: Alice McKay Room, Lower Level; Central Library; 350 West Georgia Street

Engage in a public dialogue about how environmental, behavioural and biological (including genetic) factors collide and interact to impact the health of British Columbians. People have control over some aspects of their health and not others.

Moderator: **Martin Dawes**, MD, PhD; Head, UBC Department of Family Practice

Speakers:

**Pieter Cullis**, PhD: What is personalized medicine?

Director, UBC Life Sciences Institute; Professor, Department of Biochemistry and Molecular Biology

**Bruce McManus**, MD, PhD: How can we harness knowledge of our molecules?

Professor, UBC Department of Pathology & Laboratory Medicine; Co-Director, Institute for Heart + Lung Health; CEO, Centre of Excellence for Prevention of Organ Failure (PROOF Centre)

**Ida Goodreau**: What does my own genome tell me?

Adjunct Professor, UBC Sauder School of Business; Director of Strategy, UBC Centre for Healthcare Management

**Teresa Liu-Ambrose**, PhD, PT: Is brain failure inevitable?

Associate Professor, UBC Department of Physical Therapy; Canada Research Chair in Physical Activity, Mobility, and Cognitive Neuroscience

**Larry Lynd**, PhD: Can we move from sick-care to health-care?

Professor, UBC Pharmaceutical Sciences; Director, UBC Collaboration for Outcomes Research and Evaluation (CORE)

Space is limited so please RSVP by visiting the website (hyperlinked above).

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**Event Reminders**

CONFERENCE: [2nd Annual BC eHITS – ABSTRACTS: Jan 26 \(extended\), 2015](#); EVENT: [May 9, 2015](#)

[Café Scientifique Victoria](#) - Why we do the dumb things we do: The neuroscience of human decision making – Jan 20, 2015

CONFERENCE: [Quality Forum 2015](#) – Feb 18-20, 2015

[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/>.

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### Additional Research and Scholarship Opportunities & Resources

#### [UBC Medical Journal – Call for abstracts](#)

The UBC Medical Journal is currently accepting submissions for our upcoming issue! The theme for this issue is **Complementary and Alternative Medicines (CAMs)**. These historic and diverse medical practices—although given little focus in our curriculum—have emerged as an important topic in healthcare due to controversies over their use. Debates and ethical quandaries arise when addressing the role of these practices in our society and the limited knowledge of patients and physicians regarding the safety and efficacy of these practices. This controversy gives rise to litigations wherein patients opt for alternative medicines over conventional options. Specifically as future health care professionals, we should be informed about the interplay of CAMs and conventional Western medicines. Examples of existing differences between these practices include: Regulation; Funding and coverage under the Canada Health Act; Necessity for and expectation of evidence-based guidelines

Modern healthcare must come to a consensus on whether to, and how best to address these differences. “Integrated care”, that is to say the incorporation of CAMs into Western medical practice, may improve patient compliance and overall patient welfare but could come at the price of undermining modern evidence-based guidelines. Exploring these issues and developing a new standard of care will help guide physicians in assessing the validity of CAMs and negotiating with patients when alternative practices conflict with the current standard of care.

We look forward to reading submissions addressing any aspect of this topic. Submissions can fall into one of the following categories: Academic Research, Reviews, Commentaries, News and Letters, Global Health, and Case and Elective Reports. **We also accept submissions that do not fall into this theme** so do not hesitate to submit your work! The submission deadline is **Friday, March 13th, 2015 (by 11:59pm)**. We encourage you to take advantage of this opportunity to publish your work in an internationally recognized academic journal. Publishing in the UBCMJ is an excellent way to make your voice heard on important healthcare topics and to gain experience navigating the submission process for medical journals. We will present the UBCMJ Distinguished Writing Award (and a \$250 honorarium) to the strongest article submitted for this issue.

Please visit <http://www.ubcmj.com/submissions.php> for more information on the submission process. If you have any questions feel to contact [managing.editor@ubcmj.com](mailto:managing.editor@ubcmj.com)

#### **Emergency Medicine Research Opportunities – Dr. David Barbic**

We (PI Dr. Barbic, Emergency Department attending at St Paul's) are looking for some help with a few different research projects early this semester. Students interested in emergency medicine, cardiology or critical care should consider these as options. At present these would be longitudinal volunteer positions from January until approximately May, with about a 4 hours/week commitment. You would be involved mostly in data collection and extraction from electronic medical records to begin with. However, we might look to expand that role to involvement with data management and analysis, future Research Ethics Board submissions and abstract/manuscript preparation.

The projects you might assist with include:

- 1) Evaluation of an Atrial fibrillation management pathway in the emergency department
- 2) Examination of Out-of-hospital cardiac arrest in Vancouver using geographic information systems to identify



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high risk neighborhoods

3) In patients presenting with ST-elevation myocardial infarction, does the provision of IV morphine impact patient mortality and outcomes?

Prior research experience is an asset but not essential. Please send an academic CV and a brief (250 words or less) letter of intent to:

David Barbic MD MSc FRCPC  
Clinical Associate Professor  
Dept of Emergency Medicine, UBC  
[drdavidbarbic.sph@gmail.com](mailto:drdavidbarbic.sph@gmail.com)

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**Health Sciences Summer School in Mexico** – Open to Undergraduate student only:

***Theme: Vulnerability, Low Budget Healthcare – U21 Health Sciences Summer School 2015***

This July, join students from leading research institutions around the world for the Universitas 21 Health Sciences Summer School at Tecnológico de Monterrey, Mexico. This year's program will focus on the issue of vulnerability, low budget healthcare, assigning students to multiprofessional teams that will each develop an intervention and present it to a group of experts in the different topics reviewed during the program. The deadline to apply is **February 12, 2015**. [More info about the program and how to apply online](#) 15 U21 Health Sciences Summer School - Open to Undergraduate student only

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**Health Sciences Global Learning Partnership in Nepal** – Open to Undergraduate and Graduate students

Join Universitas 21 this summer for this new and exciting program designed to develop a cooperative relationship and opportunity for students and academics from U21 Health Sciences Group to interact with students and academics from other universities, including an invited university in a country with UN Millennium Development Goal needs. The program consist of a 4-week global health experience for health sciences students including 1 week of university-based learning and 3 weeks of team-based community placement. The deadline to apply is **January 30, 2015**. [More info about the program and how to apply online](#).

#### **Reminders**

[MD Student Research Event Recordings](#)

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

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