

# Student Research News e-bulletin

September 23, 2022

<http://www.med.ubc.ca/srn>

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## Funding Opportunities & Awards

### Funding Reminders:

Deadline	Award
10-Oct-22	SMSNA Scholars in Sexuality Research Grants
15-Nov-22	CHS Summer Studentships in Inherited Bleeding Disorders Research
ASAP	3M National Student Fellowship

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### Events

#### Upcoming Events:

24-Sep-22 1:00— 3:00pm (Hybrid: Kenny room 4001 or Zoom)

#### Coming home to Psychology Colloquium: Thinking about thinking: The neural basis of internal attention

What goes on in the brain when our minds drift off to another time and place? Internal attention is a fundamental human experience in which attention is focused internally on thought processes such as decision making, memory recall and future planning. Often referred to as mind wandering, this phenomenon takes up to half of our waking hours and has been linked to both positive and negative outcomes. Despite its prevalence and impact on our daily life, we know very little about the neurophysiological basis of internal attention. In this talk, I will first highlight the disruptive nature of internal attention on our processing of the external environment. Based on evidence from patients with brain damage in selected brain regions, I will then discuss the causal role of those regions in supporting internal attention. Finally, I will present work that uses recordings from inside the brains of neurosurgical patients to reveal insights into the neural mechanisms of internal attention. Understanding how the brain supports this fundamental phenomenon is not only important for revealing the neurobiology of wandering minds in healthy individuals but also has implications for psychiatric conditions (such as attention-deficit/hyperactivity disorder) and neurological disorders (such as Alzheimer's disease) characterized by the dysregulation of internal attention.

1-2-Oct-22 All Day (Coast Coal Harbour Hotel) from \$200 for students

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## Federation of Medical Women of Canada's "Evolving with Confidence" AGM & Educational Conference

AT THE END OF CONFERENCE, PARTICIPANTS WILL BE ABLE TO:

- Develop and enhance leadership skills for women in medicine;
- Gain leadership lessons and tips directly from recognized women leaders in medicine;
- Learn about important developments in women's health and where gaps still currently exist;
- Develop professional and social networks between physicians; and,
- Foster mentoring between physicians and residents/medical students

### **5-Oct-22 10:00— 11:15am (Virtual) \$10 for students**

#### **Mind the gap: Hormonal contraception and brain health**

Do hormonal contraceptives influence brain health in women+?

Hormonal contraceptives (HC) are used by 850M girls, women and people with uteri—all reflected in the term women+—, and 16% of people (5-49y) in Canada. In addition to being contraceptives, HCs are prescribed off-label to treat many other conditions. Few studies have examined effects of these hormones on the brain, however recent work suggests they can increase risk for mood disorders during adolescence and alter brain activation patterns. Yet, how HC use may influence long-term brain health is not known.

Understanding brain health, especially through an equity lens, is critical. Women+ experience different brain health symptoms as a result of their unique experience of stress, which is impacted by age, gender, and race/ethnicity. Stress outcomes affect disease risk, which is also influenced by HCs. Collaborations between academics and research users is vital to understand the unique ways that women+'s lives impact their brain health. This conference will explore how HCs influence women+'s brain health by bringing together researchers, clinicians, community partners, trainees, and policymakers to exchange knowledge and identify new research priorities that fill knowledge gaps and address patient experiences.

In this virtual conference series, we will be hosting bi-weekly events including two keynote talks, four symposia, trainee mentor sessions, guest workshops and a roundtable discussion where attendees will co-create create a blueprint for future research on hormonal contraceptives. You are invited to join all of these gatherings, or pick and choose which ones you want to attend.

This virtual conference series will dig into unique aspects of hormonal contraceptives and the examined effects of these hormones on the brain. It will engage researchers, clinicians, community partners, trainees, and policymakers to share research and develop strategies to spotlight the need for consideration of female-specific factors to improve women+'s brain health. The overall objective of this conference is to bring attention to the brain health issues that women+ face and encourage the medical, scientific and commercial communities to address them.

### **5-Oct-22 12:00— 1:00pm (Hybrid; Room 1500 at St. Paul's Hospital, or Online)**

#### **WiP Seminar: Dr. Frank Scheuermeyer**

Check website for more information coming soon.

### **18-Oct-22 9:00am— 5:30pm (Hybrid; Cordula & Guënter Paetzold HEC Auditorium at Vancouver General Hospital or Online)**

#### **ICORD Trainee Symposium- 2022**

The morning will highlight the work of ICORDians, with talks from ICORD faculty Dr. Peter Cripton and Dr. Stephanie Willerth and trainee talks. Talks will be hosted from the Paetzold Auditorium, with a zoom option for those who prefer to attend virtually.

A catered lunch will be provided at the Paetzold multipurpose room. In-person attendees should select a lunch option on this registration!

In the afternoon, at the Paetzold auditorium (also broadcast on Zoom) we will hear from keynote speaker Dr. Michele Basso (The Ohio State University) and a session on the role of those with lived experience in the research process.

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We will conclude at ICORD's atrium for a poster session, prizes, and social hour!

Lunch will be provided for those attending in person. Please select the appropriate ticket option (virtual or in-person) so we can plan accordingly.

Contact Bethany Kondiles (kondiles@icord.org) or Sarah Wheeler (swheels@student.ubc.ca) with any questions or concerns.

## **19-Oct-22 12:00— 1:00pm (Hybrid; Room 1500 at St. Paul's Hospital, or Online)**

### **WiP Seminar: Dr. Annalijn Conklin: Partnering with patients on surgical PREhabilitation for better patient outcomes (PREP)**

Prehab is a promising but untapped strategy for abdominal operations to improve post-surgical outcomes and reduce costs — a top policy and research priority. The logic for 'prehab' is sufficiently compelling that expert consensus calls for a 'bundle of care' addressing multiple modifiable behavioural risk factors to provide stronger benefits to patients through synergistic effects on health, and 'prehab' is currently being piloted in Eastern Canada and Spain. This patient-oriented feasibility study co-developed a web-based prehabilitation program with six patient partners to support colorectal surgery patients in better preparing for surgery. The new patient education website covered key lifestyle modifications, their role in surgical outcomes, and relevant resources for both colorectal cancer and non-cancer patients waiting for surgery, with content drawn from expert-vetted sources, including our scientific team. We then recruited 25 patients between January and September 2021 to explore the feasibility of providing a web-based intervention of structured support as 'prehab' for patients preparing for colorectal cancer surgery in BC. Our results showed that there was high demand and good acceptability of the surgical 'prehab' programme involving online structured self-management support, but there was limited practicality for a telephone-based Health Coach as this service was never requested by patients despite reported interest. Our secondary research question of whether there is promise for success in improving overall patient wellbeing was not supported by the three-month follow-up health-related quality of life survey. The results of this study enabled the decision by the surgeons at PHC's Colorectal Clinic to permanently adopt this patient-oriented website and integrate it into clinical care.

## **22-Oct-22 8:00am – 3:00pm (Virtual)**

### **3rd Annual International Medical Student Radiology Symposium**

The University of Arizona College of Medicine–Phoenix (UACOM-P) would like to invite members of your institution to attend UACOM-P's 3rd Annual International Medical Student Radiology Symposium on Saturday, October 22nd from 8am-3pm PST. It is hosted virtually via Zoom, free to attend, and open to all medical and pre-medical students who are interested in engaging with or learning about the field of radiology. Take part in the great opportunity to listen to nationally-recognized keynote speakers, learn about Diagnostic and Interventional Radiology subspecialties, hear about the "Life of a Radiologist" in an interactive Q&A session, and have your questions answered by a panel of IR and DR residency program directors and active radiology residents!

In addition, this year's symposium will incorporate a poster session that provides students the opportunity to virtually share their research with a wide-reaching audience. Abstracts submissions are currently open (submission deadline: October 8th).

Please take a moment to check out the event flyers attached below. You may use the links below or QR code on the flyer to register for the event (pre-registration is required).

Please note the times and dates are listed in Pacific Standard Time (PST) and Eastern Standard Time (EST) but may need to be adjusted based on your location.

Register Here:

[https://us06web.zoom.us/webinar/register/WN\\_ffs7yCn9SHuVv8-aERp0fg](https://us06web.zoom.us/webinar/register/WN_ffs7yCn9SHuVv8-aERp0fg)

Abstract Submission Guidelines & More Info on Poster Session:

[https://docs.google.com/document/d/11uOyE17\\_IWPnyTqz6rRkt9SUxqnd3Xp1sBrzbXc1aXc/edit](https://docs.google.com/document/d/11uOyE17_IWPnyTqz6rRkt9SUxqnd3Xp1sBrzbXc1aXc/edit)

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## Ongoing Events:

Date	Time	Where	Seminar	Affiliation
<b>Mondays</b>	12:00-1:00pm	Virtual	<a href="#">Women's Health Seminar Series</a>	<a href="#">Women's Health Research Cluster</a>
<b>Wednesdays</b>	4:00-5:00pm	Biosci room 4223	<a href="#">Evening Comparative Physiology Seminar</a>	<a href="#">Department of Zoology</a>
<b>Wednesdays</b>	12:00-1:00pm	2212 Main Mall	<a href="#">Biodiversity Research Seminar Series</a>	<a href="#">Biodiversity Research Centre</a>
<b>Wednesdays</b>	8:00-8:50am	Hybrid	<a href="#">Neurology Grand Rounds Schedule</a>	<a href="#">Department of Neurology</a>
<b>Wednesdays</b>	11:00am-12:00pm	Virtual	<a href="#">BC Neuropsychiatry Program Grand Rounds</a>	<a href="#">Department of Psychiatry</a>
<b>Fridays</b>	10:00-11:00am	Beaty Museum Auditorium	<a href="#">Comparative Physiology Invited Speaker Seminar</a>	<a href="#">Department of Zoology</a>
<b>Fridays</b>	11:00am-12:00pm	Hybrid	<a href="#">Neuroscience Research Colloquium</a>	<a href="#">Djavad Mowafaghian Centre for Brain Health</a>

## Other Research Opportunities

### New Announcements:

#### [3<sup>rd</sup> Annual International Medical Student Radiology Symposium: Call for Abstracts](#)

**Abstract deadline: Oct 8<sup>th</sup>, 2022**

**Event: Oct 22<sup>nd</sup>, 2022**

The University of Arizona College of Medicine – Phoenix (UACOM-P) International Medical Student Radiology Symposium is an annual Symposium, geared towards introducing students to the field of Radiology. Last year, the Symposium had attendees representing over 74 institutions from 29 states within the US, as well as 6 international countries.

The 3rd Annual Symposium will be held virtually via Zoom on October 22nd this year. We will incorporate a poster session that provides students the opportunity to share their research with a wide-reaching audience.

The poster session of the Symposium will occur from 3-4pm EST/12-1pm PST. Each presenter will be given a Zoom room, and the opportunity to share the screen, display the poster, and interact with attendees who choose to visit the Zoom room.

All research is welcome for submission, although particular emphasis will be placed on Radiology-related research. Research that is already published, and/or has been presented at another conference, is also welcome for submission. Submissions can come in the form of an abstract or an actual previously constructed poster.

### Announcement Reminders:

#### [MD Undergraduate Student Travel Award Competition: Call for Applications \(MD 2023-2025s only\)](#)

**Application deadline: Sept 29<sup>th</sup>, 2022**

#### [Canadian Space Health Research Symposium: Call for Submissions](#)

**Travel award application deadline: Oct 1<sup>st</sup>, 2022**

**Abstract deadline: Nov 1<sup>st</sup>, 2022**

**Event: Nov 17<sup>th</sup> & 18<sup>th</sup>, 2022**

#### [The 16<sup>th</sup> Annual Earl W. Davie Symposium Travel Award: Call for Submissions](#)

**Application deadline: Oct 5<sup>th</sup>, 2022**

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Event: Nov 22<sup>nd</sup>, 2022

[Free Statistical Assistance via STAT 551: Call for Applications](#)

Application deadline: Oct 31<sup>st</sup>, 2022