

Student Research News e-bulletin

March 26, 2021

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

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- UBC Medical Journal Blog call for submissions

Funding Opportunities & Awards

New Funding Opportunities:

[Child Neurology Foundation \(CNF\) Neurodevelopmental Disabilities \(NDD\) Summer Research Scholarship](#)

Deadline: 12-Apr-21

Amount: \$3,500

Each year, the CNF offers one summer clinical research scholarship for a first- or second-year U.S. or Canadian medical student who has an interest in training as a child neurologist. The award is made for clinical research focused in the field of neurodevelopmental disabilities in children to be conducted under the direction of a child neurology/NDD subspecialist during summer break. The selected applicant will receive a \$3,500 scholarship to support his or her research project. See link above for more details on how to apply.

[Rural Global Health Partnership Initiative](#)

Deadline: 30-Apr-21

Amount: up to \$10,000

The Rural Global Health Partnership Initiative (RGHPI) offers grants to support partnerships between rural BC physicians or medical trainees committed to rural service, and underserved communities in BC, Canada, and internationally. BC medical trainees (resident or medical student) with a demonstrated interest in rural medicine and global health are eligible to apply. Projects must demonstrate a commitment to ethical partnership and aligned goals among all participants. Applicants may apply for grant categories up to \$5,000 and \$10,000. This support can be applied towards project implementation, licensing fees, travel and living expenses. See link above for more details on how to apply.

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Events

Upcoming Events:

27-Mar-21 9:30am-12:30pm (Virtual) Free

[TEDx Bear Creek Park](#)

Rarely has the entire human race been plucked from its familiar rhythms and routines and dropped into a place that none of us has ever been before. And yet, that's what the global pandemic has done. We're enduring a season of loss, uncertainty, and discord, but what's beyond? Much has been taken away, yes, but what will now take its place? What can we do differently to seize the opportunities this passing moment presents? Join us at TEDxBearCreekPark as 12 transformative ideas are danced before you. Let them stretch your perspective and unveil new shapes and movements. It's time for us to shift our thinking and rebuild our world. TEDxBearCreekPark in 2020 was an unparalleled success. Now, we're gearing up to do it again – bigger, better and differently. TEDxBearCreekPark 2021 will be conducted as a livestream event featuring 12 speakers plus Energizers and Entertainers, jam-packed within 3 fast-moving hours. Go to link above to claim your complimentary ticket.

31-Mar-21 12:00-1:30pm (Virtual)

[2021 UBC Three-Minute Thesis Virtual Final](#)

An 80,000-word thesis would take nine hours to present. Our graduate students only have three minutes. Join us on March 31, from 12:00-1:30 p.m., for the 2021 Three-Minute Thesis virtual final and hear from UBC's top ten graduate students on their inspiring research. From the discovery of novel antimicrobial fabrics that could help reduce the rate of infections in hospitals, to the exploration of new modes of active travel in Vancouver, like the human-electric hybrid vehicles that have become so popular in recent years, our ten finalists span Faculties and research fields. Hear from Sarah Morris on how using advanced MRI to track myelin loss after spinal cord injury can help predict which patients will regain function and which will have a permanent disability, and learn how Tebogo Leepile's research hopes to inform, and guide targeted and culturally-appropriate health and nutrition policies for the San People, in rural Botswana. This event is open to all members of the public. Please [RSVP](#) to attend as an audience member.

31-Mar-21 10:00am-12:15pm (Virtual)

[Statistical Considerations When Planning a Research Project](#)

This is a general introduction to the important role statistics play in the planning stage of a research project. We will discuss the best practices for carrying out the crucial steps in the research process: specifying the scientific question, defining the study population, designing a study to collect and analyse the data, making appropriate conclusions based on the analysis results. We will focus on statistical aspects of each of these steps and discuss through examples possible issues that arise in various study designs, including the effects of confounding and the need for sample size and power calculations. Register [online](#).

29-31-Mar-21 see link for dates and times (Virtual)

[UBC SciComm Week 2021](#)

A 3-day event brought to you by the Faculty of Medicine Graduate and Postdoctoral Education Office and Graduate Student Society to take your Science Communication skills to the next level. Open to Student Trainees. Seven workshops available on various topics regarding science communication. [Register Now!](#)

31-Mar-21 12:00pm-1:00pm (Virtual)

[TI Methods Speaker Series: The development of a risk of bias tool for network meta-analysis](#)

WHERE: Offered online using Zoom. *You must [register](#) in order to receive the Zoom connection details.*

TITLE: The development of a risk of bias tool for network meta-analysis

SPEAKER: Dr. Carole Lunny, Postdoctoral Research Fellow, Knowledge Synthesis Team, at Unity Health, University of Toronto, ON. **About the topic:** In this presentation, Dr. Lunny will describe tools that are currently used to assess the quality

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and risk of bias in systematic reviews with or without meta-analysis, and justify why a new risk of bias tool for NMAs is needed. She will also describe the way to choose a quality assessment tool based on rigorous methodology and describe proposed methods for the development of a risk of bias tool for NMAs. Scroll down to read the abstract for this presentation.

12-Apr-21 2:30pm (Virtual)

[Biochemistry and Molecular Biology Seminars: “Imaging single mRNA molecules to investigate the regulation of the stress response”](#)

Maria Vera Ugalde, Department of Biochemistry, McGill University. Eukaryotic cells survive to adverse conditions by adapting their gene expression programs. The rapid and specific production of the heat shock proteins (HSPs) prevents protein misfolding and functional damage. The HSP mRNAs escape general expression repression by using a unique mechanism that affords to link transcriptional activation to translation. Using a combination of molecular biology and single mRNA imaging approaches, we have identified the eukaryotic translation elongation factor eEF1A1 as a regulator of the heat stress response. We are currently exploring the mechanism of action of eEF1A and defining novel mRNA regulators. To these aims, we have developed a system (MS2) to tag and visualize mRNAs from transcription to decay live cells without perturbing their life cycle. Thus, the MS2 system is also a valuable tool to continue our studies on the rapid and synchronize degradation of hundreds of HSP mRNAs during recovery from stress. The efficient attenuation of the heat shock response is fundamental to recover cellular homeostasis. Defining the modulators of the heat shock response will provide a means to treat diseases resulting from the unbalance expression of HSPs, like age-related neurodegenerative diseases.

12-Apr-21 5:30- 6:30pm (Virtual)

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

Student presentation: Mark Trinder. Title of talk, “Genetically Informed Drug Discovery: Sepsis and Cholesteryl Ester Transfer Protein”. See link above for how to access virtual talk.

14-Apr-21 6:00pm—7:30pm (Virtual)

[Celebrate Research Public Lecture- “Mental health during COVID-19 and across the lifespan”](#)

An informative evening talk with today’s research leaders in mental health. Learn about the latest research on mental health disorders and other neurological conditions. To learn more and register for the event, sign-up [online](#).

Measure It! A Simple and Effective Way to Improve Care for People with Depression. **Dr. Raymond Lam**, Professor and BC Leadership Chair in Depression Research Associate Head, UBC Department of Psychiatry, Vancouver Coastal Health Research Institute. Personal Impacts of COVID-19 on Individuals and Families Throughout the Lifespan. **Dr. Evelyn Stewart**, Professor, UBC Department of Psychiatry, Director of Research for Child and Adolescent Psychiatry, BCCH, BC Children’s Hospital Research Institute. The Burden of Mental and Substance Use Disorders in Canada. **Dr. Daniel Vigo**, Assistant Professor, UBC Department of Psychiatry & School of Population and Public Health, Providence Health Care Research Institute.

15-Apr-21 9:00am—1:00pm (Virtual)

[Symposium in honour of Dr. Ed Conway](#)

Join us in celebrating the contributions of Dr. Ed Conway in his tenure as Director of the University of British Columbia Centre for Blood Research. Befitting Ed’s many contributions to hematology research, we have a stellar line up of speakers who will discuss their contributions to this field.

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Ongoing Events:

Date	Time	Where	Affiliation
Mondays	12:00pm-1:00pm	Virtual	Comparative Physiology Invited Speaker Seminar Department of Zoology
Wednesdays	4:00pm-5:00pm	Virtual	Evening Comparative Physiology Seminar Department of Zoology
Wednesdays	12:00pm-1:00pm	Virtual	Biodiversity Research Seminar Series Department of Zoology
Wednesdays	11:00am-12:00pm	Virtual	Centre for Blood Research Virtual Seminar Series Centre for Blood Research
Wednesdays	8:00am-10:00am	Virtual	Neuroscience Grand Rounds Schedule Department of Neurology
Thursdays	12:45pm-1:45pm	Virtual	Cellular & Physiological Sciences Departmental Seminars Cellular & Physiological Sciences Departmental Seminars
Fridays	3:30pm-5:00pm	Virtual	Research Seminars and Colloquia Department of Language Sciences
Fridays	11:00am-12:00pm	Virtual	Neuroscience Research Colloquium Djavad Mowafaghian Centre for Brain Health
Fridays	4:00pm-5:00pm	Virtual	BLISS: Biodiversity Legendary Internal Seminar Series Department of Zoology

Other Research Opportunities

New Announcements:

[Society for Canadian Women in Science and Technology \(SCWIST\) Symposium for Young Scientists](#)

Application deadline: April 15th, 2021

Prizes up to \$1,000

Mini-Symposium for STEM students launches this summer, under the vision and leadership of [Dr. Noeen Malik](#), Acting Director Events, SCWIST and chair of the symposium. This event is co-led by [Dr. Anju Bajaj](#) (Chapter Lead, SCWIST-Manitoba) as the symposium vice-chair. There will be 15 sessions, held on YouTube Live, every Wednesday at 12 p.m. PST from June to September. See link above for full eligibility and contest details. Prizes up to \$1,000 for first place.

Women enrolled in undergraduate, graduate and PhD STEM programs related to five categories:

- Drug discovery— Oncology & neuroscience
- Physical science — Particle physics
- Machine learning — Artificial intelligence
- Global warming — Earth & environmental science
- Bioengineering/technology — Biosensing

[Norman Bethune Symposium- Call for abstracts](#)

Submission deadline: Apr 20th, 2021 at 5pm

Are you an undergraduate student, graduate trainee, postdoctoral fellow, or research associate looking to present your research and hone your scientific communication skills? Submit your abstract (150 words max.) to be considered to present a short ORAL TALK or POSTER + VIDEO POSTER PITCH at the Symposium:

ORAL TALK: Selected participants will present a short 5-minute oral presentation with slides at the symposium.

POSTER + VIDEO POSTER PITCH: Selected participants will present a poster during the symposium's virtual poster session, and also record a short 90-second video pitch of their research. Both the pitches and posters will be shared with attendees in advance of the event.

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[Amplitude Ventures Summer Fellowship Program- Call for applications](#)

Application deadline: April 30th, 2021

- The paid, full-time, virtual fellowship will run from June through August 2021
- The ideal candidate is pursuing, or has recently completed, M.D. training, Ph.D. or a postdoc in the life sciences, has an entrepreneurial and self-starter spirit, and is considering a transition to industry
- Fellows will not bring concepts to Amplitude for exploration. Rather, the Amplitude team has already identified the kernels of potential new ventures that fellows will work on. These will often be outside of their focused area of expertise, bringing a fresh perspective to drive a creative discussion
- Beyond the experiential learning component through working with peers and the Amplitude team, fellows will engage with Amplitude's network of academic and industry KOLs (portfolio company executives, IP & regulatory experts, etc.) through seminars given over the summer
- Applications due April 30th

Announcement Reminders:

[Free \(to you\) Statistics Consulting for MD Students](#)

Application Deadline: March 26, 2021

[UBC Medical Journal Blog call for submissions](#)