

Student Research News e-bulletin

April 9, 2021

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

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Funding Opportunities & Awards

Funding Reminders:

| Deadline | Award |
|-----------|--|
| 12-Apr-21 | Child Neurology Foundation (CNF) Neurodevelopmental Disabilities (NDD) Summer Research Scholarship |
| 30-Apr-21 | Rural Global Health Partnership Initiative |

Events

Upcoming Events:

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 continuing 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.

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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 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.

22-Apr-21 12:00pm-1:00pm (Virtual)

Aging in Sexual & Gender Minority Communities: Foregrounding the Intersection

Despite growing interest in the issues and experiences of older sexual and gender minority (SGM) adults, numerous questions in this area of scholarship remain under-explored. In this talk, Dr. Kia will draw on existing literature on aging in SGM communities, together with her own empirical and theoretical contributions in this area, to conceptualize implications of this emerging work for research, policy, and practice. Dr. Kia will discuss the continued need for intersectional scholarship that both addresses relevant gaps in existing knowledge of SGM aging and promises to respond to salient equity issues in this area.

29-Apr-21 4:00-5:00pm (Virtual)

Virtual Brain Health Symposium- “Lifestyle Contributions to brain health- an overview”

The Physical Activity for Precision Health at the University of British Columbia would like to welcome you to the 2021 Virtual Brain Health Symposium! This symposium will bring together internationally renowned experts in the fields of exercise, sleep, brain injury, microbiome, physical environment, social enrichment, and cognitive training. The Brain Health Symposium will highlight and advance knowledge on the role of various lifestyle strategies for promoting cognitive and brain health, while providing opportunities for collaboration and connections between scientists, new investigators, trainees, and stakeholders. The symposium will start off with our keynote speaker, Dr. Kaarin Anstey, on Thursday, April 29th, 2021. Speaker sessions will occur every Friday afterwards, from April 30th to June 4th, 2021.

30-Apr-21 9:00-10:30am (Virtual)

Virtual Brain Health Symposium- “Lifestyle Contributions to brain health- an overview”

Microbiome and Diet. Speakers: Speaker: Dr. Brett Finlay, PhD, University of British Columbia, Dr. Kirsten Berding, RD, PhD, University College Cork, Dr. Stephen Cunnane, PhD, Université de Sherbrooke. 30-minute panel Q&A with all speakers.

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07-May-2021 3:00pm-4:00pm (Virtual)

Five Days in May: Relational Roots of Indigenous COVID Research

Five Days in May, Island Health's flagship health research event series designed to educate, inform, inspire and stimulate. Every May, we bring together researchers and students, patients and healthcare providers, decision-makers and members of the public to learn, share ideas and spark innovation. Join us for a virtual edition of Island Health's annual health research showcase, and learn about key COVID-19 research initiatives. The past year was profoundly shaped by COVID-19 with rapid mobilization of research studies and supports, new collaborations and partnerships and tremendous learning in a complex, dynamic environment. First event is on May 7th at 3pm. In this talk, we will engage in a form of visiting to share our thoughts and perspectives about the vital role relationship plays in research involving Indigenous Peoples. We will use the recent surge of Indigenous COVID research as an example of the critical role of established, meaningful relationships in facilitating rapid research opportunities. We will also describe how the absence of pre-existing relationships can lead to distrust and lack of motivation to engage in research partnerships. See [website](#) for details.

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:

International Cardiovascular Student Research Symposium- call for applications and attendance registration

Application deadline: April 21st, 2021 at 11:59pm EST

Event: May 21st, 2021 10am-5pm EST

Brown University Alpert Medical School and Yale Biological and Biomedical Science students are hosting the first established Cardiovascular Student Research Symposium (CSRS). The conference will take place **from 10am to 5pm EST on Friday, May 21st**. I would really appreciate it if you could share this with any interested students of yours to either apply to the conference or sign up for attendance.

Apply To Present: All current undergraduate and graduate (MS, MD, PhD) students engaged in cardiovascular research are welcome to [apply](#) to present their work **by Wednesday, April 21st, 11:59pm EST. The 2021 prizes are:**

- 1st place presenter will receive \$150
- 2nd place will receive \$100
- 3rd place will receive \$50

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Signup to Attend: Throughout the day, there will be three Brown University and Yale University guest speakers who are global leaders in the field: **10am EST Dr. Frank W. Sellke, 1:30pm EST Dr. Alexandra Lansky, 4pm EST Dr. Athena Poppas.** Please sign up to receive the zoom information for these three guest speaker events.

To learn more about the 2021 conference signup, coordinators, and guest speakers, please visit: cardioresearchsymposium.squarespace.com

Announcement Reminders:

Society for Canadian Women in Science and Technology (SCWIST) Symposium for Young Scientists

Application deadline: April 15th, 2021

Prizes up to \$1,000

Norman Bethune Symposium- Call for abstracts

Submission deadline: Apr 20th, 2021 at 5pm

Amplitude Ventures Summer Fellowship Program- Call for applications

Application deadline: April 30th, 2021