Science Research and Innovation Newsletter – February 14, 2022

Graduate Seminars

CHEM 603 Seminar: “Visible-Light Triggered HAT from Ir catalysts to olefins and other HAT acceptors.” by Zack Dubrawski (Supervisor: Warren Piers) on Tuesday, February 15 at 12:30 pm. Please contact the Chemistry Department for zoom details (chem.info@ucalgary.ca)

Seminars

MTST Mathematical and Computational Finance Laboratory (MCFL)- Lunch at the Lab series: “Mastering Vectorization to Backtest Trading Strategies” by Lucas Lalor (Department of Mathematics & Statistics, UofC) on Please contact the Mathematics and Statistics Department for zoom details (mathadmin@ucalgary.ca)

CHEM IUPAC Global Women’s Breakfast: “Puzzling the Pieces: A Primer to Equity, Diversity and Inclusion in Science and Research” By Jaya Dixit (EDI Advisor, University of Calgary) on Wednesday, February 16 from 9:00 to10:00am. Please contact the Chemistry Department for zoom details (chem.info@ucalgary.ca)

PHAS Prairie Universities Physics Seminar Series: “The Light and Fuzzy Side of Dark Matter” by Dr. Evan McDonough (Department of Physics, University of Winnipeg) on Thursday, February 17 at 2:00pm. Please contact the Physics and Astronomy Department for zoom details (phasoffice@ucalgary.ca)

BISI Ecology and Evolution Biology Seminar: “Bear-salmon-human systems of Coastal First Nations Territories” by Dr. Chris Darimont (Department of Geography, University of Victoria) on Friday, February 18 at 12:00pm. Please contact the Biological Sciences Department for zoom details (biosci@ucalgary.ca)

PHAS Seventh Annual PHAS Symposium is being held on Tuesday, February 22nd. The Keynote Speaker is Dr. Ania Harlick (Department of Physics, University of Toronto) who will be presenting on designing small-scale science education research projects and implementing them in the classroom. For more information on the Symposium or to register for this talk or other events during the symposium please click here.

FoS Second Early Career Researchers Workshop on Contracts and Partnerships will be held on Wednesday, March 2, 2022, from 11:00am to 12:30pm. This workshop will help develop an understanding of the relationship maintenance practices for keeping your partnerships strong. The session will also explore the variety of agreement terms available for use in papering partnerships and the benefits and protections they can offer. This workshop will be hosted by Christopher Chow (Manager- Agreements, Legal & Intellectual Property, Research Services) and Kirstyn Dillon (Contract Specialist, Legal & Intellectual Property, Research Services). Interested faculty members
who are not a Early Career Researcher are also welcomed to attend. If interested, please rsvp to Chadwick Dawes (cdawes@ucalgary.ca) by Thursday, February 24th.

Opportunities

Call for Nominations for 2022-2023 Gallagher Fellowship
This fellowship is funded by the Jack Gallagher Foundation to permit world class scholars to visit and interact with our researchers over a 1–3-month time period in 2022-2023. Although not required, this is an ideal opportunity for colleagues on sabbatical leave from their institutions abroad to spend some time at UCalgary. Please see attached PDF for further information. Contact: Dr. Ben Tutolo (GEOS) Deadline: March 15, 2022

Reminder: Call for Nominations for Science Advisory Committee on Pest Control Projects
On January 27, 2022 the Minister of Health announced a call for nominations for a new science advisory committee on pest control products. Interested scientific experts are encouraged to self-nominate. The committee will provide scientific and technical advice to the Executive Director of the Pest Management Regulatory Agency. Deadline to apply is March 11. Apply here.

Reminder: From Lab 2 Fulfillment (FL2F) workshop
This purpose-driven workshop is for female faculty to help transform their research and discoveries into products and companies. The workshop was created by Dr. Yadid-Pecht (Department of Electrical and Computer Engineering) to guide women in STEM and Medicine towards commercialization. For more information on this workshop please check out their website http://www.fl2f.ca/. They are willing to accommodate up to two female faculty members from Science this year. If you would like more information or are interested in attending, please Contact: Dr. Orly Yadid-Pecht (orly.yadid-pecht@ucalgary.ca).

Opportunities – Awards

If you are planning on submitting a nomination for yourself or someone else, and would like support in developing the nomination package, please contact Danielle Demiantschuk as early as possible.

Balzan Prize are awarded to scholars, artists and scientists who have distinguished themselves in their fields on an international level. Deadline: March 15, 2022. The 2022 Balzan Prizes will be awarded in “Biomaterials for nanomedicine and tissue engineering” and “Glaciation and ice-sheet dynamics”

The Global Energy Prize is awarded to the world’s leading scientists, whose discoveries and technological innovations meet global energy challenges. Details here. Deadline: March 20, 2022.

The Timothy R. Parsons Medal was established by Fisheries and Oceans Canada to recognize distinguished accomplishments in multidisciplinary facets of ocean sciences. Details here. Deadline: March 31, 2022

Bower Award and Prize for Achievement in Science The Franklin Institute seeks nominations for individuals who have made significant scientific or engineering contributions that improve the safety, sustainability, and resilience of civil infrastructure in a world faced with climate change, natural disasters, increased use due to population growth, and infrastructure that has outlived its design life. Details here. Deadline: March 31, 2022.

Royal Society of Canada Awards and Medals nominations are open from January 15 to March 31 and details are here for eight opportunities in geological, biological, mathematical, medical, environmental, chemical, and atmospheric science, and physics.
The Charles A. Whitten Medal (American Geophysical Union) is awarded to a senior scientist in recognition of outstanding achievement in research on the form and dynamics of the Earth and planets (usually in geodesy, nonlinear geophysics, planetary sciences, seismology or tectonophysics). Deadline: April 1, 2022

The Waldo E. Smith Award (American Geophysical Union) is awarded to a senior scientist in recognition of extraordinary service to Earth and space science. Successful candidates have strengthened and helped advance our scientific disciplines, as well as played unique leadership roles in scientific associations, education, legislation, research, management, philanthropy, or the public understanding of science. Deadline: April 1, 2022

The Grawemeyer Award in Education is intended to stimulate the dissemination, public scrutiny and implementation of ideas that have potential to bring about significant improvement in educational practice and advances in educational attainment. The award is designed to recognize a specific recent idea/study rather than a lifetime of accomplishment. Info here. Deadline: April 15, 2022.

Calgary’s Top 40 Under 40 features young business and community leaders who are excelling in their careers, are giving back to the community, and who, through personal and professional efforts, are raising the profile of Calgary. Details here. Deadline: April 30.

Opportunities – Health Sciences

CIHR Operating Grant: 14th JPIAMR transnational call for research projects (2022)
Declining effectiveness of existing antimicrobials together with the low and insufficient number of promising new antimicrobials in the pipeline stresses the urgency to develop new protocols and innovative approaches for effective delivery and use of the already existing antimicrobials. This call will support research into therapeutic/agricultural interventions based on the improvement of the efficacy, specificity, delivery, combinations and/or repurposing of drugs and plant protection agents to treat bacterial or fungal infections in One Health settings.
- Pre-proposal is due to JPIAMR on March 8, 2022.
- Research Services’ final internal deadline for the full application is noon on Thursday, June 30, 2022.
RSO Contact: Lindsey Hritzuk

CIHR Operating Grant: Healthy Cities Research Initiative: Data Analysis Using Existing Databases and Cohorts is a multi-Institute initiative, will help us understand which solutions will work best to achieve these outcomes – as well as how cities can put these solutions into action – in ways that will be impactful, sustainable and equitable in two areas: Healthy Cities Intervention Research General Pool and Healthy Cities Intervention Research Urban Indigenous Health Pool. Research Services’ final internal deadline for the full application is noon on Thursday, April 7, 2022. RSO Contact: Lindsey Hritzuk

CIHR Team Grant: E-Rare-6 Joint Transnational Call (2022) in partnering with the Fonds de recherche du Québec – Santé, Ataxia Canada and the European Joint Programme on Rare Diseases to develop new analytic tools and pathways to facilitate diagnosis and diagnostic monitoring of rare diseases. RSO’s final deadline for full applications is noon on Friday, June 10, 2022. RSO Contact: Lindsey Hritzuk

CIHR Team Grant: Pediatric Cancer Consortium will address knowledge gaps in pediatric cancer research RSO’s final internal deadline for the full application is noon on Thursday, April 21, 2022. RSO Contact: Lindsey Hritzuk

CIHR Catalyst Grant: CPHO’s Report 2021: Future of Public Health will support research on the population and public health priorities identified in the 2021 CPHO Annual Report, with a portion of the funding
reserved for Early Career Researchers (ECRs). RSO’s final internal deadline for the full application is **noon on Friday, April 29, 2022**. RSO Contact: Lindsey Hritzuk

**Reminder: Sick Kids New Investigator Research Grant** enables ECRs to make a meaningful contribution to the fight for children’s health in the biomedical, clinical, health systems and services, population and public health sectors. Value: $100,000 per year for up to 3 years **RSO Deadline for Full application**: April 15, 2022 at noon; contact Stephanie Patrick

**Opportunities – Social Sciences**

**National Centre for Truth and Reconciliation (NCTR): Small Research Grants Fund** aims to support the current focus areas of the NCTR’s research. RSO deadline is **February 23rd at 12pm MST**. More details [here](#). RSO Contact: Nicole Ritchie.

**Opportunities – Postdocs and Graduate**

**2022 Western Canada Water Conference – Fresh Ideas Poster Competition** will be held at the WCW conference on September 15th and is targeted towards graduate students and young professionals. Abstracts accepted until **May 31**. The prize is an all-expenses paid trip the national AWWA competition at the 2023 annual conference (ACE) in Toronto, including free conference registration!

**GSA Peer Beyond Graduate Research Conference** is still open for registration to attend (the deadline for abstracts is now closed). The virtual conference will be **Feb 23 to 25**. Last year, 95 Graduate students presented from 10 Faculties and shared their research with over 200 attendees.

**Hugh C. Morris Experiential Learning Fellowship** is open to any graduate student studying in Canada working in a field related to earth, geoscience, environment, alternative energy, water, climate change, sustainability or to the social impact, social sciences or design sciences related to these areas. It is designed to provide a unique experiential travel program designed by the student. **Award:** $40,000  **Deadline:** February 15 - Details [here](#).

**EDGE Program** is a workshop at Roots of Unity Workshop (June 12-16, 2022) designed to support women, particularly women of color, who have completed 1-3 years of graduate school and are considering research in algebra, combinatorics, geometry, topology, or number theory. Details [here](#) **Deadline:** February 15

**Canada-ASEAN Scholarships and Educational Exchanges for Development (SEED)** for short-term exchange opportunities for study or research at Canadian institutions. $10,200-12,700 is available for undergraduate or graduate students from ASEAN member states (Brunei Darussalam, Cambodia, Indonesia, Laos, Malaysia, Myanmar, the Philippines, Singapore, Thailand, or Vietnam) for research or study lasting 4-6 months. Details [here](#), Contact Heather Clitheroe. **Deadline: February 20.**

**Emerging Leaders in the Americas (ELAP) Scholarships** for undergraduate and graduate students ($8.2-11K; 4 to 6 months) for short-term research or study at Canadian institutions available for students from the Caribbean, Central America, Mexico, and South America (full list of eligible countries in guidelines). Details [here](#), contact Heather Clitheroe. **Deadline: March 7.**
2022-2023 Study in Canada Scholarships provide short-term opportunities for study or research at Canadian post-secondary institutions from eligible countries in Asia, Europe, Middle East and North Africa, and Sub-Saharan Africa ($10.2 - 12.7K; 4-6 months). Details here, contact Heather Clitheroe. Deadline: March 7.

Congratulations

Congratulations to Dr. Eva Enkelmann (GEOS), Dr. Ryo Suzuki (CPSC), and Dr. Anatoliy Swishchuk (MTST) who all received an International Research Partnership Workshop Grant for 2022.

Congratulations to Dr. Jason Donev (PHAS), who has been asked to speak before the parliamentary committee on Energy and Sustainable Development about Canada's plan for the disposal and handling of spent nuclear fuel on Tuesday, February 15, 2022.

Warm congratulations to Dr. Heyddy Calderon, MSc. Geoscience alumna of the UC Central American Water Network Program (supervised by Dr. Larry Bentley) who has won the OWSD-Elsevier Foundation Award for Early Career Women Scientists in the Developing World (Latin American & the Caribbean Region).

Congratulations to Dr. Jennifer Adams (CHEM CRC Tier 2 in Creativity and Stem) whose project in Securing Black Futures was included in the City of Calgary’s Black History month celebration.

Did You Know?

Faculty with a capital 'F' refers to the Faculty of Science; faculty with a lowercase 'f' refers to a person employed on academic staff.

Science Research and Innovation Newsletter (SRIN) comes out every Monday afternoon. If you have a seminar notice, congratulations or awards for the newsletter please submit it by noon on Friday to sci.borg@ucalgary.ca to ensure it is added.