Science Research and Innovation Newsletter – February 28, 2022

Seminars

**MTST** The Mathematical and Computational Finance Laboratory-Lunch at the Lab series: “Polynomial Process and Polynomial Regression Model for French Electricity Prices” by Zuming Sun (Department of Mathematics and Statistics, UofC) on **Tuesday, March 1, 2022, at 12:00pm**. Please contact the Mathematics and Statistics Department for zoom details (mathadmin@ucalgary.ca).

**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).

**GEOS** G.O.L.D. Seminar Series: “Overview of the Carbon Management Canada (CMC) CaMI Field Research station: the need of all geoscience domains for successful Carbon Capture and Storage projects” by Dr. Marie Macquet and the CaMI FRS team (Carbon Management Canada) on **Wednesday, March 2, 2022, 12:00-1:00pm**. Please contact the Geoscience Department for zoom details (geoscience@ucalgary.ca).

**PHAS** Candidate Research Presentation- CRC Quantum Machine Learning (PHAS). Candidate: Dr. Dimitris Angelakis on **Thursday, March 3, 2022, from 10:00-11:00am**. Please contact the Physics and Astronomy Department for zoom details (phasoffice@ucalgary.ca).

**PHAS** Colloquium Speaker Series: “Creating Cultures of Inclusive Excellence in Science” by Dr. Imogen Coe (Department of Chemistry and Biology, Ryerson University) on **Thursday, March 3, 2022, at 2:00pm**. This is an in-person event in **Science Theatres 147**. Refreshments provided, and everyone is welcome!

**GEOS** Gallagher Colloquium Series: “Geological Storage of Carbon and the Role of Geophysics” by Dr. Don White (Senior Geoscientist, Geological Survey of Canada) on **Thursday, March 3, 2022, from 6:30 to 7:45pm**. For further information or to register please click [here](#).

**PHAS** Candidate Teaching Presentation- CRC Quantum Machine Learning (PHAS). Candidate: Dr. Dimitris Angelakis on **Friday, March 4, 2022, from 10:00-11:00am**. Please contact the Physics and Astronomy Department for zoom details (phasoffice@ucalgary.ca).
**BISI** Ecology and Evolution Biology Seminar: “Influence of a major climatological anomaly on permafrost ecosystem tipping points in the sporadic permafrost zone, NWT Canada” by Dr. Laura Chasmer (Department of Geography, University of Lethbridge) on **Friday, March 4, 2022, at 12:00pm**. Please contact the Biological Sciences Department for zoom details (biosci@ucalgary.ca).

**CHEM** Seminar Series: “Modelling 2D Amorphous Materials: The Curious Case of Monolayer Amorphous Carbon” by Dr. Lena Simine (Department of Chemistry, McGill University) on **Friday, March 4, 2022, at 3:00pm in ICT 121**.

**BISI** Ecology and Evolution Biology Seminar: “Known Unknowns”- Targeted analyses and evidence-based approaches to mending the “leaky pipeline” of Black scientists in Canada by Dr. Evelyn Asiedu (Postdoctoral Research Fellow, Thompson Rivers University) on **Friday, March 11 at 12:00pm**. Please contact the Biological Sciences Department for zoom details (biosci@ucalgary.ca).

**GEOS** Howard Street Robinson Lecture: “Is this the oldest known animal fossil? A novel approach to Precambrian metazoan evolution?” by Dr. Elizabeth Turner (Harquail School of Earth Sciences, Laurentian University) on **Thursday, March 17, 2022, from 3:30 to 4:30pm**. For further information or to register please click here.

**Opportunities**

**Looking to hire a student this summer?**

The Science Internship team can help you post a role on the internal University of Calgary and Faculty of Science Internship Job boards on the Elevate platform. Send an email to science.internship@ucalgary.ca with the following information and the team will support you in posting your role

1. Position title and description – admin support, research, lab work, etc.
2. Target students – undergraduate, graduate or professional graduate
3. Length of position and ideal start date
4. Hours per week (please note, in order to be eligible for undergraduate internship, positions must be at least 30hrs per week)

We recommend positions are posted for at least 2 weeks to provide ample time for students to apply. Any questions regarding the Elevate platform, job postings or the student hiring processes can be directed to science.internship@ucalgary.ca

**NFRF Special Call: 2022 Research for Postpandemic Recovery**

The goal of this Special Call is to mobilize Canadian-led research efforts in support of a more equitable, sustainable and resilient postpandemic reality. It will support a diverse portfolio of projects that **directly address one or more of the research priorities outlined in the UN Research Roadmap for the COVID-19 Recovery**. Teams must include a project lead plus a minimum of one co-PI or co-applicant. At least one expert in social, economic, or socio-economic research and/or implementation science must lead or co-lead the project, and teams are expected to include international members (with some specific exceptions).

**Notices of Intent must be submitted to Research Services in the Convergence portal by 9 am, Tuesday April 19, 2022.**

Webinar: **Tuesday, March 1, 2022** 11:00 am – 1:00 pm MST

Links to join the webinars will be made available on the competition website prior to the start of the sessions; check the website for more information. Presentations and recordings of the webinars will be available on request via Research Services at ipd@ucalgary.ca a few days following the sessions.
Update to NSERC Alliance Option 2 cost-sharing ratio
As of February 18, 2022, Alliance Option 2 has been simplified to one single cost sharing ratio of 100% from NSERC for proposals involving partners from any sector (private, public or not-for-profit). This means that the requirement for partner organizations to commit 10% of the project’s cash budget, when partners from the private sector are involved, has been removed. This would not preclude additional cash investments being made by partners from any sector to increase the scope of the project where applicable. If you have any questions, please contact alliance@nserc-crsng.gc.ca.

Reminder: 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: 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.

Nominations for the Faculty of Science Awards of Excellence are open. Please consult each individual award category and terms of reference for details about the submission process, eligibility and other requirements. Deadline is April 4, 2022.

- Faculty Awards of Excellence
- Support and Research Staff Awards of Excellence
- Leadership in Internationalization Awards of Excellence
- Safety Award of Excellence

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. Details 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

**CAAIF-Miravo Research Grant in Allergic Rhinitis or Urticaria**

The Canadian Asthma, Allergy and Immunology Foundation (CAAIF) is a charitable foundation whose mission is to invest in research leading to new and better treatments that improve the lives of Canadians living with allergy, asthma and immunologic diseases. The objective of the CAAIF-Miravo Healthcare Research Grant in Allergic Rhinitis or Urticaria is to fund a research grant focused on the area of allergic rhinitis or urticaria.

Value: $25,000 for one year

RSO Deadline for Full application: **March 28, 2022 at noon**

For more information, contact Stephanie Patrick

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**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

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**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

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**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

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**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

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**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

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**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!

**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](mailto:heather.clitheroe@ucalgary.ca). **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](mailto:heather.clitheroe@ucalgary.ca). **Deadline: March 7.**

**Did you know**

That you can provide important feedback on Canada’s List of Wildlife Species at Risk. Environment and Climate Change Canada is accepting feedback until May 10, 2022 for species under a normal consultation process and October 10, 2022, for species following an extended consultation process. Please see [link](#) to background information and list that is relevant to the prairie region.

*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.*