**Science Research and Innovation Newsletter – September 13, 2022**

**Thesis Defense Seminars**

**BISI** PhD Final Seminar: “Physical and chemical alterations to the intestinal mucus barrier during Giardia spp. Infection” by Elena R. Fekete (Supervisor: Dr. Andre G. Buret) on **Thursday, September 15 at 9:00am** in BI211 and via zoom. Please contact the Biological Sciences Department for zoom details (biosci@ucalgary.ca).

**MTST** MSc Final Seminar: “Option Pricing under Rough Heston Model with Jumps” by Yazhao Jin (Supervisor: Dr. Jinniao Qiu) on **Thursday, September 15 at 10am** via zoom. Please contact the supervisor for zoom details.

**BISI** PhD Final Seminar: “A multidisciplinary study, unveiling lipophilic drug block of hERG” by Mary Kudaibergenova (Supervisor: Dr. Elmer Prennar) on **Monday, September 26 at 1:00pm** in BI211.

**Seminars & Events**

**NANS** "Interdimensional Effects in Nanostructures" by Dr. Rainer Dick (Professor, University of Saskatchewan) **Tuesday, September 13 at 1:00pm** via Zoom. Please email sci.ad.admin@ucalgary.ca for zoom info. See attached pdf for more information.

**MTST** The 42nd Alberta Statisticians Meeting will be held on **Saturday, September 17** at the University of Alberta. All statisticians, postdocs, students are welcome to join the meeting. If you are interested to participate the meeting please drop your name, email address and whether you are going to attend the conference dinner on the google sheet. Please contact the Mathematics and Statistics Department for zoom details (mathadmin@ucalgary.ca).

**MCFL** Fall 2022 Lunch at the Lab, "An unexpected stochastic dominance: Pareto distributions, catastrophes, and risk exchange" by Dr. Yuyu Chen (Professor, University of Waterloo) **Tuesday, September 20 at 12:00pm** MS 569

**Sigma Xi** is pleased to welcome Dr. Richard Ally (American Meteorological Society, Pennsylvania State University) "Finding the Good News on Climate and Energy" **Tuesday, September 20 at 12:00pm** BI 211 & via Zoom. Please contact the Mathematics and Statistics Department for zoom details (mathadmin@ucalgary.ca). See attached pdf for more information.

**Information for NSERC Discovery Grants & RTI Applicants**

Faculty of Science – NSERC DG and RTI Timelines The timelines are available [here](#). Please contact our Research Facilitator Rhian Gunn if you have any questions or concerns.

**Opportunities**

**Reminder: Banff International Research Station (BIRS)** is accepting proposals for 5-day workshops to be held in Banff during 2024. Submissions must be made [online](#) by **September 14**. Proposal guidelines are available [here](#). BIRS provides an environment for creative interaction and the exchange of ideas, knowledge, and methods within the mathematical, statistical and computing sciences, and with related disciplines and industrial sectors. BIRS provides accommodation, full board, and research facilities at no cost to the invited participants, in a setting conducive to research and collaboration. For information on all BIRS programs, please visit: [BIRS Program Descriptions](#).
Reminder: Alberta Innovates: Water Innovation Program is interested in water projects in three streams (details can be found in the program guide):

- Stream 1: Integrated Approaches to Water Management
- Stream 2: Management of Climate Change Impacts
- Stream 3: Water and Wastewater Management in Rural, Indigenous and/or Remote Communities.

Expressions of interest must be submitted via the SmartSimple online intake system by September 15 at 3pm. If you are invited to full proposal, the internal deadline is noon on January 9, 2023.

Reminder: Japan Pharma Reverse Pitch Session The Embassy of Canada to Japan will hold this special session hosting leading Japanese pharmaceutical companies as they present their current business models, licensing strategies, and research collaboration interests. This session would be suited for life sciences companies with therapeutic compounds, drug development technologies, academic researchers with novel technologies and molecules, and public organizations who are interested in gaining intelligence on Japanese pharma companies.

A B2B meeting application form will be distributed at the end of this session. The applications will be reviewed by the speaker companies to arrange B2B meetings.

Date: 6:00PM (MST) September 28, 2022

Tentative Program:
6:00PM Opening Remarks by Embassy of Canada to Japan

Presentation 1: Daiichi Sankyo Co., Ltd
Presentation 2: Kissei Pharmaceutical Co., Ltd.
Presentation 3: Sumitomo Pharma Co., Ltd.
Presentation 4: Asahi Kasei Pharma Corporation

Q&A Session

7:30PM Closing Remarks

If you have any questions, please feel free to contact TOKYO-ForeignDirectInvest@international.gc.ca. The Embassy of Canada to Japan via KYT will send you a ZOOM link to the webinar, approximately one week prior to the event.

Opportunities – Awards

For any award, including those listed below, 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. Other opportunities can be found on the FOS awards site, and in the RSO awards database.

Guggenheim Memorial Foundation Fellowships are intended for mid-career individuals who have demonstrated exceptional capacity for productive scholarship and exhibit great promise for their future endeavors. Details here. Deadline: September 16, 2022.

12th Annual Mitacs Awards recognize outstanding students, fellows, and professors who have demonstrated excellence and leadership during their work supported by the Mitacs Accelerate, Elevate, Business Strategy Internship, Training, or Globalink programs. Details here. Deadline: September 18, 2022 at 9:00PM MT.

CIFAR Azrieli Global Scholars Award: This award provides $100,000 in unrestricted research support and a two-year term in a CIFAR program. Scholars must hold a PhD and be within the first five years of a full-time academic appointment, with both research and teaching responsibilities. Details here. Deadline: October 25, 2022.
Reminder: Royal Society of London Fellowships: Candidates must have made ‘a substantial contribution’ to the improvement of natural knowledge, including mathematics, engineering science and medical science. Details here. Deadline: September 30, 2022.

Reminder: Stockholm Water Prize: (Stockholm International Water Institute): The Prize recognizes people and organizations who have made outstanding contributions to the sustainable use and protection of the world’s water resources, in both science and practice. Details here. Deadline: September 30, 2022

Reminder: Michelson Philanthropies & Science Prize for Immunology The Prize is intended to encourage and support young investigators from a wide range of disciplines, who apply their expertise to perform research that has a lasting impact on vaccine and immunotherapy. Details here. Deadline: October 1, 2022 at 12 PM MDT.

Reminder: PIMS Call for Proposals for 2023 Mathematical Sciences Activities Proposals for funding for any of the activities listed on the website are welcome. Deadline: October 1, 2022.

Opportunities – Health Sciences

Opportunities – Postdocs and Graduate

PIMS VXNL The PIMS Virtual Experimental Mathematics Lab (VXML), brings together faculty & postdocs with graduate and undergraduate students from across the PIMS network to work on challenging and exciting research mathematics questions. Please propose a project using the online form by Thursday, September 15. For more information visit the PIMS VXNL website.

Postdoctoral opportunity to work on a MITACS Accelerate project involving water quality monitoring and analysis in a northern BC river by collaborating with a First Nation community. Possible relocation to Prince George, BC. One-year term. If interested, contact Jianbing Li, Jianbing.Li@unbc.ca.

Canadian Society of Exploration Geophysicists (CSEG) University Scholarship applications are now open and available. Applicants must be pursuing a course of studies directed toward a career in geophysics and attending a Canadian university. Applicants must be or become a CSEG student member. The scholarships are valued at $2,000. https://cseg.ca/foundation/scholarships/foundation-scholarship-applications/
Deadline: November 1, 2022

Evolve to innovate (e2i) program is for postdocs or research associates and their PIs to translate successful research outcomes into practical solutions. Visit the e2i website or contact Jane Desrochers at Innovate Calgary Deadline: September 29, 2022

Reminder: Canadian Association of Physicists (CAP) is now accepting applications for the following student scholarships. Any questions regarding the application process should be sent to programs@cap.ca
- Allan Carswell Physics Educator Scholarship Two awards valued at up to $5,000. Deadline: October 1, 2022
- Boris P. Stoicheff Memorial Graduate Scholarship One Award valued at up to $3,000 Deadline: October 1, 2022
Did You Know

Academic Staff who are eligible for Research and Scholarship Leaves (Article 16 of the Collective Agreement) need to indicate their intent to apply and complete the application process in Academic Portfolio by October 17, 2022. If you are not sure whether you are eligible, you can email hr@ucalgary.ca to find out!

The Darwin Lecture is the longest-running lecture series at the University of Calgary. Congratulations to Jeremy Fox and BISI for a successful and wonderful 37 1/2th annual lecture and thank you to Dr. Rees Kassen for a superb lecture.

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.