Thesis Defense Seminars

**CHEM** MSc Final Seminar “The formation of supported lipid bilayers on nanoparticles as tools to further explore plasmonic properties” by Shauna Schectel (Supervisor: Belinda Heyne) on **Thursday, December 9, 2021, 9:00-10:00am**. Please contact supervisor for zoom details.

**GEOS** MSc Final Seminar “Evaluating the Effectiveness of Bioretention Systems for Managed Aquifer Recharge in Cold Climates” By Glenn Hall (Supervisor: Edwin Cey) on **Thursday, December 9, 2021, at 9:00am**. Please contact the Geoscience Department for zoom details (geoscience@ucalgary.ca)

**BISI** PhD Final Seminar “The invasion process of the European strain of Echinococcus multilocularis in Western Canada” by Maria Santa (Supervisor: Marco Musiani & Kathreen E Ruckstuhl) on **Friday, December 10, 2021, at 8:30am**. Please contact supervisors directly for zoom details.

**PHAS** MSc Final Seminar “Study of the Broadband X-ray Lightcurves of Hercules X-1/HZ Hercules” by Yuyang Wang (Supervisor: Denis Alan Leahy) on **Tuesday, December 14, 2021, at 10:00am**. Please contact the Physics and Astronomy Department for zoom details (phasoffice@ucalgary.ca)

**CHEM** PhD Final Seminar “Exploring Sulfur Recovery in a Eutectic Mixture of Biphenyl and Diphenyl Ether” by Rohen Prinsloo (Supervisor: Robert Marriott) on **Tuesday, December 21, 2021, from 2:00-3:00pm**. Please contact the Chemistry Department for zoom details (chem.info@ucalgary.ca)

Seminars

**MTST** Mathematical and Computational Finance Laboratory (MCFL) presents “Stochastic Optimal Control Problems in Limit Order Books for General Compound Hawkes Process” by Ana Karen Roldan Contreras (University of Calgary) on **Tuesday, December 7, 2021, at 12:00pm**. Please contact the Mathematics and Statistics Department for zoom details (mathadmin@ucalgary.ca)

**CHEM** Visiting Speaker Series: “Catalysts on Santa’s List: Are They Naughty or Nice?” by Professor Fran Kerton (Department of Chemistry, Memorial University) On **Friday December 8, 2021, at 1:00pm**. Please contact the Chemistry Department for zoom details (chem.info@ucalgary.ca)

**SSE** Schulich Research Talks “Spatially-explicit Mobile Solutions for Healthcare Applications” by Dr. Sayeh Bayat (Department of Geomatics) and “Modelling weather and climate with laws of randomness” by Dr. Simon Papalexiou (Department of Civil Engineering) on **Friday, December 8, 2021, at 12pm**. Please contact Schulich School of Engineering for details (schulichresearch@ucalgary.ca).
**GEOS** G.O.L.D. meeting “Submarine basalt carbonation as a gigaton-per-year-scale climate solution” by Dr. Ben Tutolo (UofC) on **Wednesday, December 8, 2021, at 12pm**. Please contact the Geoscience Department for zoom details (geoscience@ucalgary.ca)

**MTST** CalgaryR presents “Introduction to Shiny App in R” by David Aponte, PhD candidate in medical science at the University of Calgary. Shiny is an R framework for interacting with data through a web app. On **Wednesday, December 8, 2021, at 5:30pm**. RSVP at [https://www.meetup.com/calgaryr/events/282151176/](https://www.meetup.com/calgaryr/events/282151176/)

**CHEM** UCalgary NSERC CREATE ME2 Team presents Electrochemical Conversion of CO2 to Green Fuels and Products Workshop on **Thursday, December 9, 2021, from 8:30AM to 3:30PM**. For details, itinerary or to register for this free online workshop please click [here](https://www.meetup.com/calgaryr/events/282151176/).

**CHEM** Centre for Molecular Simulation presents “Computational Study of Novel 2D Materials: A Case Study of Novel CdX (X=S, Se, Te)Monolayers For Water Splitting Application” by Prof. Mosayeb Naseri (Department of Physics, Kermanshah Branch Islamic Azad University, Iran) on **Thursday, December 9, 2021, at 1pm**. Please contact the Chemistry Department for zoom details (chem.info@ucalgary.ca)

**Opportunities**

**NSERC Idea to Innovation (I2I) grants** seek to accelerate the pre-competitive development of promising technology originating from the university and college sector and promote its transfer to a new or established Canadian company. Please visit NSERC’s site for full I2I program information for the coming year. There are four intake points throughout the year. **For the January* intake, please review our funding calendar entry for the internal submission process, requirements, and deadlines.**

*NOTE: As this January I2I competition directly follows the holiday break, we strongly encourage researchers to initiate the RMS approval process in December and to contact RSO and Innovate Calgary early in their planning and development of their application.

Contact: [Alisha Kadam](mailto:alisha.kadam@ucalgary.ca)

**UCalgary International: International Research Partnership Workshop Grants** are for a research/collab partnership between faculty members at two universities. The grants ($10K max) support meetings to explore, identify, and implement joint research interests and projects between April 2022 and March 2024. **Application Deadline:** January 5, 2022 at 4:30PM (with adjudication complete by mid-Feb). Details available [here](https://www.ucalgary.ca/). For assistance in applying, please contact [Heather Clitheroe](mailto:heather.clitheroe@ucalgary.ca).

**REMINDER: Mitacs Elevate & Mitacs Elevate (Thematic)** - a two-year training program for postdoctoral fellows (PDFs), where participants lead and undertake a research project with an industry partner. Open to all disciplines and all industry sectors. **Mitacs Elevate Award:** $55,000 per year and **Thematic Award:** $70,000 per year if the project addresses at least one of the key priority sectors of artificial intelligence, biomanufacturing, clean tech, or quantum science. **RSO Final Internal Deadline (Full Application):** Friday, January 14, 2022 at noon. More information in the [Funding Deadline Calendar](https://www.ucalgary.ca/). 

**Advance call for nominations: Royal Society of Canada Awards and Medals** nomination period, which will be open from **January 15 to March 31, 2022**. Please visit the [RSC Awards and Medals page](https://www.rsc.ca/) for the 2022 opportunities. If you would like to nominate yourself or someone else, contact [Danielle Demiantschuk](mailto:danielle.demiantschuk@ucalgary.ca) for support.
Advance call for nominations: Calgary Awards

The Calgary Awards, offered by the City of Calgary, celebrate and recognize outstanding achievements and contributions made by Calgarians. Last year there were four major categories which included: The Award for Accessibility; The Community Achievement Awards; The Environmental Achievement Award; The International Achievement Award. Next rounds nominations will be accepted from January 5 to February 9, 2022. Further information on these awards will be communicated in early January. Please contact Danielle Demiantschuk if you have any questions or would like assistance in preparing a nomination.

Opportunities – Health

**Banting Research Foundation Discovery Award** is a one-year grant of up to $30,000 for innovative health and biomedical research projects by ECRs within the first three years of their first academic appointment with less than $200,000 as part of their start-up package. This seed funding is to gather pilot data to enhance their competitiveness for other sources of funding. A Notice of Intent (NOI) is required by the agency and due on December 1, 2021. Since there are quotas, please advise Anna LeMarquand by December 8, 2021 if you have submitted a NOI to the agency, including the Principal Investigator’s name and department, and project title. The final internal deadline for applicants allowed to go forward is noon on January 20, 2022.

**Emerging Researcher Awards in Asthma** ($200K over 2 yrs) aims to support and enable Canadian researchers early in their independent research career (less than 84 months into their first academic appointment) to pursue basic, clinical, health services or population health research in the field of asthma. **RSO Internal Deadline:** Jan 26, 2022 at noon and the RSO contact is Stephanie Patrick.

**2022 Epilepsy Canada Early Investigator Award** is intended to provide funding ($50K for 1 yr) to allow ECRs to become competitive with more senior investigators in future (non-clinical trial) granting opportunities. Collaborative and multidisciplinary teams are idea. approach is desirable. **RSO Deadline for LOI:** Jan 5, 2022 at noon, and the RSO contact is Stephanie Patrick.

Opportunities – Social Sciences

**SSHRC Connection Grant: Webinar Dec. 8**

SSHRC will be holding an additional webinar to provide information about the Connection Grants competition on December 8, 2021, 9:00am-11:00am. Please contact Stephanie Patrick for Webinar registration info.

Did You Know?

The **Black Excellence in Science, Technology, Engineering, Mathematics & Medicine/Health (BE-STEMM 2022)** conference welcomes presentations from Black-identifying people from across disciplines. Please consider presenting your work there to a national audience! We have broad support for the conference and really hope to showcase what #BlackinSTEMM has to offer Canada across sectors and scholarly fields. Attendance is free for all CBSN members (and for all students). There will be an array of awards for presentations. Check our website for more information and click here to submit your abstracts.

*Please send any seminar notices or events or CONGRATULATIONS notes to be included in the newsletter to sci.borg@ucalgary, subject line SRIN.*