Thesis Defense Seminars

**GEOS** PhD Final Seminar “Bulk compositional control on the metamorphism of pelitic rocks with an emphasis on the Whetstone Lake area, Southwestern Ontario” by Jacob Forshaw (Supervisor: Dr. David Pattison) on **Thursday, November 25, 2021, at noon**. Please contact the Geoscience Department for zoom details (geoscience@ucalgary.ca).

**CPSC** PhD Final Seminar “New tangent structure on Lie algebroids and Lie groupoids” by Ben MacAdam (Supervisor: Robin Cockett) on **Thursday, November 25, 2021 at 10am**. Please contact the Computer Science Department for zoom details (cpsc@ucalgary.ca).

**CHEM** PhD Final Seminar “Stoichiometric Reduction of CO₂ via a PCarboneP Cobalt(I) Bridging Carbonate Species” by Marissa Clapson (Supervisor: Warren Piers) on **Friday, November 26, 2021, 3pm**. Please contact the Chemistry Department for zoom details (chem.info@ucalgary.ca).

**GEOS** MSc Final Seminar “Delineating the Shallow Free-phase Gas Distribution at an Abandoned Exploration Well, Crystal Geyser” by Patrick Lagasca (Supervisor: Cathy Ryan) on **Friday, December 3, 2021, at 9:00am**. Please contact the Geoscience Department for zoom details (geoscience@ucalgary.ca).

**CHEM** PhD Final Seminar “A Monoanionic, Borate-Based Pentadentate Ligand Platform for Scandium-Element Multiple Bonds” by Evan Patrick (Supervisor: Warren Piers) on **Friday, December 3, 2021, at 3pm**. Please contact the Chemistry Department for zoom details (chem.info@ucalgary.ca).

**CHEM** MSc Final Seminar “Probing the Bioinorganic Chemistry of Methylmercury in Mammalian Blood Plasma” by Tristen Bridle (Supervisor: Jurgen Gailer) on **Monday, December 6, 2021, from 12:30 to 1:30pm**. Please contact the supervisor for zoom details.

**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.

**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 Fall 2021 Lunch at the Lab:** “Swaps in Energy Markets” by Joshua McGillivray (UofC) on **Tuesday, November 23, 2021 from 12:00-1:00pm**. Please contact the Mathematics and Statistics Department for zoom details (mathadmin@ucalgary.ca).

**MTST Pacific Institute for the Mathematical Sciences- Emergent Research:** The PIMS Postdoctoral Fellow Seminar “Hurwitz Numbers via Topological Recursion” by Reiner Kramer (University of Alberta) on **Wednesday, November 24, 2021 at 10:30am**. To register click [here](#).

**SSE Schulich Research Talks** presents “Trustworthy Machine Learning for Medical Imaging Applications” by Dr. Mariana Bento (ENEL) and “Engineering Electrified Interfaces for CO₂ Conversion and Water-to-Valuable Applications” by Dr. Satish Ponnurangam (ENCH) on **Thursday, November 25th at 12:30pm**. Please contact the Faculty of Engineering for zoom details.

**MTST Colloquium Series 2021-2022** presents “The Inverse Problem of Recovering a Riemannian Metric from Area Data” by Dr. Tracey Balehowsky (UofC) on **Thursday, November 25, 2021 at 2:00pm**. Please contact the Mathematics and Statistics Department for zoom details (mathadmin@ucalgary.ca).

**Students Union Undergraduate Research Symposium:** Join your SU Service Rep Megan Raivio as they host a panel of professors from various departments to showcase their work and highlight the various research opportunities available to undergraduate students. Associate Dean, Grad and Research Dr. Cathy Ryan will be a panelist. Held via zoom on **Wednesday, November 24, 2021, 4:00 to 5:00pm**. Please click [here](#) for more details and to register.

**FoS EDI Coffee Chat** - The second Equity, Diversity and Inclusion coffee chat is on **Thursday, December 2, 2021, from 10:00 to 11:00am**. Everyone is welcome! We will discuss the attached article “How to Unlearn Racism” which discusses some thought-provoking research on systemic racism and why implicit bias training is often not enough. The article is attached as a PDF. Please contact the Faculty of Science for zoom details (scideon@ucalgary.ca).

**GEOS 2021 Tom Oliver Lecture series** “Environments for the Origin of Life on Early Earth and Elsewhere” by Dr. David C. Catling (University of Washington) on **Friday, December 3, 2021 at 3:00pm**. To Register click [here](#).

**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).

**MTST Eric Milner Scholarship Lecture presents** “Power analysis of transcriptome-wide association study: Implications for practical protocol choice” by Bowei Ding (UofC). **Thursday, December 2, 2021, 3:00pm** Please contact the Mathematics and Statistics Department for zoom details (mathadmin@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. RSVP at [https://www.meetup.com/calgaryr/events/282151176/](https://www.meetup.com/calgaryr/events/282151176/)
Opportunities

Alberta Innovates- BioFibre
The Building With BioFibre funding call is targeted at advancing emerging technologies that utilize Alberta’s plentiful forest and/or agricultural fibre, and encourage their use in green construction to support economic development of the bioindustrial sector. Research Services full application deadline December 15 at 12:00pm. Contact: Caitlin Janzen.

NSERC Collaborative Research and Training Experience (CREATE) 2022 Information Session
Prospective applicants can join an information session via Zoom on Tuesday, November 30 from 10:30 – 11:30 a.m., hosted by Dr. André Buret, Associate Vice-President (Research), with people who have experience applying for and leading funded CREATE training programs and representatives from Research Services. The session will offer an overview of the NSERC CREATE 2022 funding opportunity, and advice and tips for developing a proposal based on the experience of past applicants, NSERC reviewers and recommendations from the funder. The presentation will be followed by time for questions. Everyone is welcome. To join this session, please email ipd@ucalgary.ca to register by noon on Monday, November 29.

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. For assistance in applying, please contact Heather Clitheroe.

NSERC Alliance Missions grants provide opportunities for researchers to address challenges that have emerged as a result of the pandemic and to take advantage of new opportunities. They should (1) accelerate the translation of Canada’s world-class research results into economic opportunities, and/or (2) inform policy that could have an impact on Canada’s economy. NSERC will provide support for 100% of the eligible costs of research for a two-year period. RSO’s final internal full application is noon on Nov 25, 2021. There are lots of details on eligibility, partner requirements and a list of challenges available in the funding calendar.

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.

Calgary Awards-call for nominations: 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. Please note that this internal call is being circulated in advance of the City of Calgary’s call for nominations, which will be released in January 2022. Further information on this awards suite will be communication in early January when the City of Calgary begins to accept nominations. Please contact Danielle Demiantschuk if you have any questions or would like assistance in preparing a nomination.

2022 Equity, Diversity and Inclusion Awards - Call for Nominations: The Office of Equity, Diversity and inclusion (OEDI) has announced the institutional call for nominations to recognize the change-making efforts by UCalgary students, faculty, staff, and teams. These awards recognize and celebrate UCalgary change-makers.
who are engaged in transformative efforts to make our university community more equitable, diverse, inclusive and accessible in all areas of our teaching and learning, research and scholarship, community engagement, and living and working environments.

The call for nominations is open until Tuesday, November 30 at 11:59 p.m. MT. Nominations should be submitted by email to: equity.events@ucalgary.ca. If you would like assistance please contact Danielle Demiantschuk

Opportunities – Health

Arthritis Society’s Arthritis Social Impact Program

In this first call for Expressions of Interest (EOIs), the Arthritis Society is focused on solutions that will improve access to care for people with arthritis, including navigation of the healthcare system and solutions addressing inequities in arthritis care in Canada. This is a call for EOIs to understand what interventions are currently available and that may not yet be sustainable or used within the healthcare or social system.

RSO Deadline for EOI is December 9, 2021 at 12:00pm

For more information, please contact Stephanie Patrick

Cancer Research Society 2022 Operating Grants

CRS Operating Grants are intended to support Canadian researchers in their pursuit to advance scientific knowledge in the following three (3) areas:
1) Fundamental/basic cancer research
2) Early translational cancer research, including preclinical research cellular or animal models, biomarkers for diagnostics and prognosis and imaging
3) Research studying the environmental causes of cancer including viruses, pollutants, work environment, lifestyle and diet.

Amount: $60,000/year up to 2 years
RSO Deadline for LOI is December 6, 2021 at noon and for full applications is February 11, 2022 at noon.

For more information, please contact Stephanie Patrick

Graduate Students in Science

Women in STEM- Scholarship and Persons Case Scholarship:

The Ministry of Culture and Status of Women has two open scholarships: Women in STEM and Persons Case Scholarships. The Women in STEM Scholarship supports women pursuing STEM careers and working to advance gender equality in their chosen field. Detailed info can be found here: www.alberta.ca/women-in-stem-scholarship.aspx.

The Persons Case Scholarship supports students of any gender studying in SSHRC fields whose work advances gender equality or who are studying in fields where their gender is under-represented or disadvantaged. Detailed information about the Persons Case Scholarship, including the step-by-step guidelines on how to apply, can be found here: www.alberta.ca/persons-case-scholarship.aspx.

We encourage you to share the information about the Women in STEM Scholarship and Persons Case Scholarship with your network and encourage all eligible students to apply by the deadline of December 31st, 2021.

CSA Group Research Scholarship:

The purpose of the CSA Group Graduate Scholarship is to support graduate students in the pursuit of knowledge generation related to standards. Graduate students at the Masters level studying at a publicly-funded, accredited Canadian university are eligible to apply.

The thesis can be conducted in any field (e.g. engineering, social sciences, health sciences) and must include standards as a component of the research. The topic does not need to be related to an area in which CSA Group
already has standards. The research may investigate aspects of an existing standard or may explore an area for future standards development.

**Key Dates:** Deadline to Apply: March 31

**Value and Duration:** Awards are $10,000 per year; Award duration is a maximum of two years.

Eligibility: [https://www.csagroup.org/scholarship/](https://www.csagroup.org/scholarship/)

**IDRC Research Awards 2022-2023:**

This opportunity for **IDRC Research Awards 2022-2023** funding is particularly relevant to PhD students. This year IDRC will offer research awards related to these development areas or themes: **Climate-Resilient Food Systems, Democratic and Inclusive Governance, Education and Science, Ethics in Development Research, Global Health, Policy and Evaluation**, and **Sustainable Inclusive Economies**.

If your proposal is selected, you will join IDRC as a Research Award Recipient for a period of 12 months from 1 May 2022 to 30 April 2023 with a salary in Canadian dollars between CA$42,033 to CA$48,659 to undertake research on the topic you have submitted. You will receive hands-on experience in research and program management and support, grant administration, and the creation, dissemination, and use of knowledge from an international perspective.

**Deadline:** February 1, 2022

**Eligibility and for more information** click [here](https://www.csagroup.org/scholarship/)

**CS Graduate Students: Participate in a survey for your chance to win a $25 Bookstore credit:**

Help us understand barriers and solutions for accessing experiential learning opportunities across campus. Experiential learning activities involve learning-by-doing – they can include co-ops, internships, research, capstone projects, case competitions, and more. [Learn more and participate](#)

**Congratulations**

Congratulations to **Dr. Belinda Heyne (Chemistry)** on being recognized with a Peak Scholars in COVID-19 Innovation Excellence award. Check out her interview in [UToday](https://www.universitytoday.com) where she answers questions about how innovation shapes her research and teaching, and why commercialization isn’t a dirty word.

Congratulations to **Dr. Ryo Suzuki** along with grad students **Shivesh Jadon, Adnan Karim and Neil Chulponsatorn (Computer Science)** won the 2021 Snap Creative Challenge host by Snapchat which invited submissions about the Future of Co-Located Social AR (augmented reality). Check out the [UToday](https://www.universitytoday.com) article to read about their winning submission.

**Graduate Congratulations**

Congratulations to **Illya Ivanov** (Supervisor: Dr. Karoly Bezdek) in MTST on winning two scholarships. **Entangled Hypothesis Graduate Scholarship in Mathematics and Physics**, in the amount of $1,300 effective Sept. 1, 2021 and **Alberta Graduate Excellence Scholarship (AGES) - Doctoral**, in the amount of $15,000 effective Sept. 1, 2021.