**Thesis Defense Seminars**

**CPSC** MSc Final Seminar: “Annotation of Vascular Plant Structures using Haptic Assistance” by Philmo Gu (Supervisor: Dr. Przemyslaw Prusinkiewicz) on **Wednesday, June 29 at 3:00pm**. Please contact the Computer Science Department for zoom details (cpsc@ucalgary.ca)

**GEOS** PhD Final Seminar: “An alkaliphilic cyanobacterial consortium for air-capture and conversion of carbon dioxide” by Maryam Ataeian (Supervisor: Dr. Marc Strous) on **Thursday, June 30 at 9:00am**. Location: ES 136 or contact the Geoscience Department for zoom details (geoscience@ucalgary.ca)

**MTST** PhD Final Seminar: “Derivatives Pricing with Fractional Discrete-time Models” by Sarath Kumar Jayaraman (Supervisor: Dr. Alexandru Badescu) on **Thursday, June 30 at 9:30am**. Location: Hybrid - MS337 or contact the Mathematics and Statistics Department for zoom details (mathadmin@ucalgary.ca)

**CPSC** MSc Final Seminar: “The Category of Kirchhoff Relations” by Amolak Kalra (Supervisor: Dr. Robin Cockett) on **Monday, July 4 at 2:00pm**. Please contact the Computer Science Department for zoom details (cpsc@ucalgary.ca)

**BISI** MSc Final Seminar: “You Should Look a Gifted Mammal in the Mouth: Using Dental Morphology to Understand the Evolution of Mammalian Dentition” by Austin Ashbaugh (Supervisor: Dr. Jessica Madeleine Theodor) on **Friday, July 15 at 10:00am**. Location: BI 249 or contact the Biological Sciences Department for zoom details (biosci@ucalgary.ca)

**BISI** MSc Final Seminar: “Mutations of succinyl-CoA synthetase to study the swinging of the phosphohistidine loop” by Rishika Puri (Supervisor: Dr. Marie Fraser) on **Tuesday, July 19 at 9:00am**. Location: BI 211

**Seminars**

**FoS** Science Dialogues: **Q&A with Trevor Poffenroth, Interim Chief Information Officer and the UCalgary IT leadership team on Tuesday, June 28, 12:00-12:45pm in ST 148**. The first session of increasing Science’s engagement with other groups across campus! All faculty and staff are welcome to attend this open dialogue Q&A session. Please see attached pdf for further details.

**FoS** ECR Workshop: **Teaching Dossiers for Early Career Researchers on Tuesday June 28 from 1:00-2:30pm via Zoom**. Facilitators: Drs. Wendy Benoit and Marcus Samuel. Preparing a teaching dossier is a significant, but deeply rewarding process that is also necessary for tenure, promotion, or teaching award applications. This workshop will discuss the fundamentals, provide resources, and share experiences. This workshop is open to all Science faculty members, PhD students, and PostDocs (please email cdawes@ucalgary.ca for zoom info).

**Opportunities**

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

**Seeking Arctic Researchers - Opportunity to meet with Premier of the Yukon Government**
If you are an Arctic researcher and would like opportunity to meet with the Premier of the Yukon Government the week of July 25, please contact Rhian Gunn to indicate your interest.
Banff International Research Station for Mathematical Innovation and Discovery (BIRS): Call for Proposals

In 2024, BIRS will again be hosting a 48-week scientific program at its station in Banff and at least 15 workshops at its affiliated station, Casa Matemática Oaxaca (CMO) in Mexico. In addition, 10 workshops are anticipated at the Institute for Advanced Study in Mathematics (IASM) in Hangzhou, China and 5 will be held at BIRS’s new centre at the Institute of Mathematics of the University of Granada (IMAG) in Spain. The deadline for proposal submission is Wednesday, September 14, 2022. Please visit BIRS webpage for more information.

Innovation, Science and Economic Development Canada Call for Proposals: Government of Canada - Public Works and Government Services Canada is seeking innovative solutions to leverage Quantum Technology to address operational requirements. ISED is seeking solutions in the Quantum Technology field to address the following Departmental Demands: Quantum Computing, Quantum Sensing, and Quantum Communications. The purpose of this CFP is to create a pool of pre-qualified proposals that the ISC and participating departments may select from to address their operational requirements.

- Research Services’ final internal deadline for the full application via RMS is noon on Thursday, June 30

RSO Contact: Lisa Singh

Accelerating CCS Technologies (ACT): Emissions Reduction Alberta (ERA)

Through this call ACT4 Call, ERA is seeking innovative CCUS technologies with strong potential for commercialization in Alberta. Successful projects must enable the emergence of CCUS in the energy and industrial sectors with results ranging from reduced operational costs and lowered emissions to new technology, safe storage, and the optimization of existing infrastructure. Funding is available for projects at the technology scale-up, field pilot, commercial demonstration, or commercial implementation stages.

- Research Services’ final deadline for the Application via RMS is noon on Tuesday, September 6

Contact: Lisa Singh

Supercluster Support Programs: National Research Council Canada (NRC)

Projects can involve a range of research and technical services, foundational R&D, knowledge mobilization, and pre-commercialization activities. These funded collaborative R&D programs help bring together the NRC’s national network of researchers and facilities with collaborators from industry, academia, and governments to work on game-changing scientific discoveries and technological breakthroughs.

- To initiate collaboration please contact Michael D. Blough

RSO Contact: Lisa Singh, Michael D. Blough

Challenge programs: National Research Council Canada (NRC)

Through the Challenge programs, the NRC is partnering with private and public sector, academic and other research organizations in Canada and internationally to advance transformative, high-risk, high-reward research that address Canadian priorities. Grant and contribution funding is provided through the NRC’s National Program Office for collaborators who offer complementary expertise, including academic institutions and small and medium-sized enterprises.

- To initiate collaboration please contact Michael D. Blough

RSO Contact: Lisa Singh, Michael D. Blough

NSERC DG – Internal (RSO) Info session for Early Career Researchers (ECR) July 7th 2:30 – 3:45 PM

Panelists from Engineering, Science and Medicine will discuss DG applications from the ECR perspective, with a focus on tips and tricks for success & strategies for specific application sections. Everyone (not only ECRs) is welcome! Please register HERE.

CSM Grant Development Webinar: Subject Matter Eligibility for NSERC DGs
This workshop is tailored toward researchers in the health sciences who also have a basic science research program. The Cumming School of Medicine will host this session geared at navigating subject matter eligibility for applications to NSERC Discovery Grants. We will hear from a faculty member with experience on evaluation committees about some of the key subject matter eligibility concerns, and how best to address these concerns for individuals who also have a health research program.

Date: Wednesday, July 6, 2022
Time: 11:00 AM - 12:00 PM
Register here

NSERC Research Tools & Instruments (RTI) – Internal (RSO) Information Session Registration

Date and time: Friday, July 8 from 2:00 – 3:00 PM via Zoom

RSO will be presenting on the updates to the NSERC Research Tools & Instruments (RTI) competition and the going over the internal processes before submission. We will also be joined by a successful RTI grantee who will provide tips on creating a RTI application and a faculty member with RTI selection committee experience. Presentations will be followed by a Q&A period. Please register here

If you have any questions about the session, please contact Alisha Kadam

Research Cooperation in the Canadian Francophonie Program

This program aims to encourage research collaborations between two French-speaking researchers (or teams) from different provinces or from a province and a territory, by offering mobility grants of up to $5,000 per year. The call is open until September 10th.

- Value: $5,000 per year for up to 3 years
- RSO Internal Deadline: Tuesday, September 6 at noon

RSO contact Stephanie Patrick

Reminder: NSERC Discovery Grants Information Webinar - Submission of a Notification of Intent to Apply

July 5 at 11:00am to 12:00pm MST. Links available for July 5. Please email cdawes@ucalgary.ca for link and take a look at the pre-recorded videos (2022 videos coming soon) and How to prepare a Discovery Grant Notification of Intent to Apply (NOI)!

Reminder: Ideas Fund provides financial support for undergraduate science students to engage in innovation, leadership, educational, and professional development activities that are most meaningful to them. The range of activities eligible for funding is intentionally broad, supporting professional development seminars and workshops, field experiences and science competitions across the globe. Faculty and TAs are encouraged to share this with undergraduate students. Any questions can be directed to Wendy Benoit or science.engagement@ucalgary.ca.

Please click here for more information. Deadline: July 4, 2022

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. More information as well as other opportunities can be found on the awards website.

Steacie Prize in Natural Sciences (E.W.R. Steacie Memorial Fund): The award of $10K is presented to a scientist or engineer of 40 years of age or less for outstanding scientific research carried out in Canada. It is separate from the former NSERC Steacie Fellowships. Details here. Deadline: June 30, 2022

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.
Opportunities – Postdocs and Graduate

2023 Tri-Council Doctoral Scholarship Competition- Notice of Intent (NOI) The Canada Graduate Scholarships - Doctoral (CGS D) program is a federal program of scholarships awarded by the CIHR, NSERC, and SSHRC granting agencies that supports high-calibre doctoral students in all academic disciplines. All eligible graduate students are encouraged to submit a Notice of Intent (NOI) for the Fall CGSD competitions. By submitting a NOI, students benefit from FGS (Faculty of Graduate Studies) support as outlined below, which helps them to submit their strongest application to the competition. More importantly, by submitting a CGSD application, graduate students are eligible for AGES research funding. Following recommendations from our Scholarship and Award Review Report, which was recently presented at FGSC, the number of AGES research awards available for 2023 will be significantly increased. To be in contention for these awards students must apply for CGS competitions this Fall (2022).

Citizenship: Canadian or Permanent Resident

Value: $35,000 CGS-D per year for three years

Deadline: October 1, 2022

Please note Notice of Intent (NOI) form must be submitted by July 5, 2022. Notice of Intent (NOI) form

For more information please click here.

Materials, Energy & Environmental Technology Innovation Fair: August 26, 2022

The MEET the Innovators! Innovation Fair is seeking science and engineering graduate students and postdocs who would like to showcase their technology to an audience including representatives from industry, funding agencies, investors, innovation accelerators and other entrepreneurs and researchers.

Registration deadline is July 8, 2022. See attached flyer for further details, and register here.

Reminder: Mitacs – Elevate is 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. Award: $70K minimum per year for 2 years RSO Final Internal Deadline (Full Application): Thursday, June 30 12:00 p.m. MDT Contact: rsotrainee@ucalgary.ca

Reminder: Mitacs - Accelerate puts your talent to work with a paid internship at an organization that needs your expertise. These applications can be submitted at any time, with a minimum of $10K each four months for up to 3 years. Contact: rsotrainee@ucalgary.ca

Reminder: UEX Scholarship for Advanced Studies in Geology established by UEX Corporation in honour of Colin Campbell Macdonald. The scholarship that will be awarded annually to a student with Canadian residency pursuing a post-graduate degree where the student research and future professional career goals are in mineral exploration. Deadline August 31, 2022, at noon (12:00 p.m. MDT). Contact: uex@uexcorp.com

Opportunities – Health Sciences

CIHR: Planning and Dissemination Grants – ICS

This funding opportunity will provide support to create two (2) research networks: one in the area of Skin Health, and one in Muscular Dystrophy. This new competitive call will provide support the creation and/or further development of inclusive, formal networks by encouraging national and international collaboration, methods development, and resource sharing between multidisciplinary technical and scientific experts.

• Research Services’ final internal deadline for the full application is noon on Friday, July 22, 2022

RSO Contact: Lindsey Hritzuk

Lung Cancer Canada Geoffrey Ogram Memorial Research Grant supports advancement in lung cancer research programs that are anywhere in the continuum from basic, high impact discovery to translational work of direct relevance to the clinic and beyond. The goal of the GOMRG program is to provide a mechanism for
scientists to study innovations and accelerate the application of new knowledge relating to the early detection of lung cancer and the etiology of lung cancer in different demographics and populations. Applications are encouraged from, but not limited to, the areas of biomedical, clinical, health services, social, and population health research.

- Value: $25,000 for one year
- RSO Internal Deadline: Tuesday, September 27 at noon

RSO contact Stephanie Patrick

Opportunities – Social Sciences

2022 Social Sciences and Humanities Insight Grant Competition

Insight Grants support research excellence in the social sciences and humanities. Funding is available to both emerging and established scholars for research initiatives of two to five years. Applicants choose from one of two streams, depending on the amount of funding required. Both streams will be adjudicated by the same committees and will receive the same rigorous level of merit review. The deadlines and application process are identical for both; however, the targeted success rate for Stream A is higher than for Stream B. SSHRC welcomes applications involving Indigenous research, as well as those involving research-creation.

***Please note that the SSHRC deadline falls on a Saturday and therefore the application system will remain open until 6PM MT the next business day (Monday, October 3rd)

- RSO Internal Deadline: Wednesday, September 28 at noon

RSO contact Stephanie Patrick

REMINDER SSHRC Insight Grant Information Session

Monday, June 27 from 1:00PM to 2:30PM

Please join Dr. Penny Pexman, Associate Vice-President (Research) and the Research Services Office on June 27, 2022 from 1:00pm to 2:30pm for a discussion of the SSHRC Insight Grant Program in advance of the October 2022 submission deadline. We will include an overview of the program, institute success rates, application and submission instructions, as well as tips and tricks. Panelists Dr. Jennifer Adams (Science) and Dr. Tonya Callaghan (Werklund) will speak to their experiences with the IG Program. Presentation will be followed by an open discussion/Q&A period.

Everyone is welcome. To join this session, please email RSO by June 24th to register. You will receive the Zoom link and password on the 24th.

For more information about the internal process for applying to this competition, please visit the funding calendar.

Contact: Stephanie Patrick

Congratulations

Congratulations to Viola Birss (CHEM) who was honoured at the Spring Symposium of the Canadian Section of Electrochemical Society. This special symposium was held at the University of Calgary on Sunday, June 12. The symposium paid tribute to Viola’s many and varied contributions to the field of electrochemistry. For further information please click here.

Congratulations and Goodbye to J.C Saunders (Postdoctoral Fellow, MTST) who is heading to Middle Tennessee State University as a tenure track professor, and Hui Huang (Postdoctoral Fellow, MTST) who will be a university assistant at the University of Graz in Austria. Wishing you Good Luck and Safe Travels!

Congratulations to the students, staff and faculty awardees of the 2022 Faculty of Science Awards of Excellence!

- Ben Tutolo (GEOS) – Early Career Research Excellence Award
Michelle Dolgos (CHEM) – Early Career Scholarship Excellence Award
Yujun Shi (CHEM) – Established Career Research Excellence Award
Belinda Heyne (CHEM) – Established Career Scholarship Excellence Award
John Post (BISI) – Life-Time Achievement Research and/or Scholarship Excellence Award
Jennifer Cuthbertson (GEOS) – Educational Leadership Award of Excellence
Ariane Cantin (BISI) – Early Career Teaching Excellence Award
Michael Hynes (BISI) – Established Career Teaching Excellence Award
Marcus Samuel (BISI) – Established Career Innovation Excellence Award
Marc Wrubleski – Support and Research Staff Awards of Excellence – Leadership
Barb Gleeson, Chadwick Dawes, Gerri Evans, and Marni Farrant - Support and Research Staff Awards of Excellence – Client Services
Jesusa Overend-Pontoy (GEOS) – Support and Research Staff Awards of Excellence – Career Achievement
Simon Trudel (CHEM) – Safety Award of Excellence
Michelle Ives (BISI) – Jim & Josie Gray Award
Katherine Biegel (GEOS) – Jim & Josie Gray Award
Tristen Bridle (CHEM) – Don Tavares Award
Williams Miranda (BISI) – John Kendall Doctoral Thesis Award

Congratulations to Dan Shugar (GEOS) and his students Holly Basiuk and Jackson Bodtker on their work on the recovery of Nun cho ga, the best-preserved woolly mammoth ever found in North America discovered last week Yukon’s Tr’ondëk Hwëch’in Traditional Territory. For more details and pictures please see the UToday article highlighting this amazing find.

Congratulations to Jennifer Love (CHEM) on being elected President of the Canadian Society for Chemistry (CSC).

Congratulations and job well done to the many faculty, staff and students involved in organizing and hosting the 105th Canadian Chemistry Conference and Exhibition themed “Diversity and Innovation in Chemistry” organized June 13-17th here in Calgary. Special Thank You to the following for a job well done:

Roland Roesler (CHEM), the Conference Chair who organized an amazing conference after a three-year hiatus due to the pandemic. The conference was a resounding success with 2,100 individual participants from 31 countries.

Alexander Harrison (CHEM), a grad student who was the Volunteer Coordinator for the whole event overseeing a team of over 90 student volunteers.

Belinda Heyne (CHEM), the Technical Program co-chair who oversaw the organization of the Symposium and in addition she focused with tremendous success on the EDI component of the conference.

Robert Marriott (CHEM), the Fundraising Chair who utilized his experience dealing with corporate partners and despite pandemic related concerns from sponsors was able to exceed fundraising targets.

Jennifer Love (CHEM) for her continuous support of the conference, which highlighted University of Calgary’s position as a prominent hub for chemical research and education.

Did you know

Funding partners can elect to include “Principal Investigator Salary Top Up” in University of Calgary projects to compensate for “above and beyond” effort they might choose to put into a project.

These “PI Fees” are effectively added to the PI’s paycheque as taxable salary “top ups”. Approval is required from the Head, the Dean, and the Provost (one of two forms) and submission of the budget information to SCM (a second form). There is not a formal policy or procedure around this, but logically PI Fees should be within reason and should not be 100% of the funds received.
Please reach out to the Associate Dean, Research if interested to discuss the process.

F2022 Special Topics Courses for Science Grad students

Below is a list of new (or relatively new) F23 graduate courses in ‘special topics’ courses and/or graduate courses that may be beneficial to, and attended by, students outside of the program in which the course is scheduled. If you are interested in enrolling in one of the below classes, please contact sci.grad@ucalgary.ca for assistance.

**GEOG 508 Watershed System Science**  An introduction to advanced concepts in hydrology and watershed analysis, including the impacts of a changing climate and human influence. Involves hands-on computer modelling and experimental labs, and a design project. This course provides students with a new technical elective designed with the intent to be a multi-disciplinary course that bridges the gap between undergraduate education and careers in water resources

*Meeting time: Tuesday and Thursday, 9:30-10:45am not including Lab times*

*Instructor: Tricia Stadnyk*

**SCIE 601 Theory and Practice of University Teaching and Learning in STEM**  Emphasizing a research-to-practice approach, this course will engage students in readings and discussions about current research, theory and methodological approaches, and pedagogical approaches in DisciplineBased [STEM] Education (DBER) research. Course readings will be varied and include scholarly, practical, and popular readings in order for students to gain nuanced understandings of the social contexts and related issues and challenges of college and university STEM education. Course materials will also emphasize critical, antiracist and decolonizing frameworks to transforming postsecondary STEM education for the belonging of diverse students and cultural-scientific worldviews. While there will be seminal readings, aspects of the course will be co-designed with students’ interests and professional needs in mind. Activities will be geared towards designing environments for equitable postsecondary STEM education, broadening ideas about assessments and evidence of student learning, SoTL research and other topics that emerge from students’ interests and experiences.

*Meeting Time: Tuesday, 12:30-3:20pm*

*Instructor: Jennifer Adams*

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.