Thesis Defense Seminars

**CHEM** MSc Final Seminar: “Metal Oxide-Mediated Transformations of Small Molecules for Chemical Synthesis and Energy Storage” by Santiago Jimenez-Villegas (Co-Supervisor: Dr. Samira Siahrostami and Dr. Simon Trudel) on **Tuesday, November 1 at 1:00pm** in ST 147.

**CPSC** MSc Final Seminar: “Anti-Freeze: High-Quality Adaptive Live Streaming with Real-time Transcoder” by Asif Mehmuda (Supervisor: Dr. Mea Wang) on **Monday, November 7 at 10:00am** on Zoom. Please contact the Computer Science Department for zoom details (cpsc@ucalgary.ca).

**CPSC** MSc Final Seminar: “Transcoding and Quality Enhancement for Real-time 360° Video Streaming” by Sonali Keshava Murthy Naik (Supervisor: Dr. Mea Wang) on **Monday, November 7 at 11:00am** on Zoom. Please contact the Computer Science Department for zoom details (cpsc@ucalgary.ca).

**BISI** PhD Final Seminar: “Biochemical and cellular studies of isoprenoid metabolism in lettuce” by Connor Hodgins (Supervisor: Dr. Dae-Kyun Ro) on **Tuesday, November 8 at 12:00pm** on Zoom. Please contact the Biological Sciences Department for zoom details (biosci@ucalgary.ca).

**BISI** MSc Final Seminar: “From genomic data to metabolism of an uncultured thermophilic bacterium S2R-29 and a hydrocarbon degrader Solimonas aquatica” by Triet Tran (Supervisor: Dr. Peter Dunfield) on **Tuesday, November 8 at 3:00pm** in BI211 and on Zoom. Please contact the Biological Sciences Department for zoom details (biosci@ucalgary.ca).

**GEOS** MSc Final Seminar: “Geochemical fingerprinting approaches to determine the origin of fluids produced from Duvernay Formation wells in west-central Alberta, Canada” by Kevin Grimeau (Supervisor: Dr. Bernhard Mayer) on **Friday, November 18 at 9:00am** in ES136.

**GEOS** MSc Final Seminar: “Bayesian estimation of nonlinear centroid moment tensors using multiple seismic data sets in the Kiskatinaw Seismic Monitoring and Mitigation Area” by Madhi Hamidbeyg (Supervisor: Dr. Jan Dettmer) on **Wednesday, November 30 at 9:00am** on Zoom. Please contact the Geoscience Department for zoom details (geoscience@ucalgary.ca).

Seminars & Events

**GEOS** GOLD (Geoscience Open Lunch Discussion) seminar “The two-stage metamorphic evolution of the southern Ubendian Belt” Richard Hieber (Department of Geoscience, University of Calgary) **Wednesday, November 2, 2022 at 12:00pm** on Zoom. Please contact the Geoscience Department for zoom details (geoscience@ucalgary.ca).

**SSE** Schulich Innovates “Control of Interfacial Instabilities using Electric Fields” Anne Benneker (Department of Chemical and Petroleum Engineering, University of Calgary) **Wednesday, November 2, 2022 at 12:00pm** in ENG112 or on Zoom Register to attend.

**NSERC-CWSE** presents online workshop series: Science for Humanity “Session 3: Story of Lise Meitner – Movie and Discussion” **Thursday, November 3**

3:00pm, Online film screening of *The Path to Nuclear Fission: The Story of Lise Meitner and Otto Hahn*

4:00pm, Panel Discussion and Q&A with the filmmaker Rosemarie Reed and Physicists Anthea J. Coster and Shohini Ghose.
Register here to participate. See attached pdf for more details

**MTST** SAGE/Biostats Seminar “A Unifying Framework for Flexible Excess Hazard Modeling with Applications in Cancer Epidemiology” Javier Rubio (Department of Statistical Science, University College London) **Friday, November 4, 2022 at 1:00pm** on Zoom. Please contact the Mathematics and Statistics Department for zoom details (mathadmin@ucalgary.ca)

**CHEM** “Green Revolution: Natural Products as continuing source of novel active biochemicals” Nicoletta Faraone (Department of Chemistry, Acadia University) **Friday, November 4, 2022 at 3:00pm** in ICT 121

**MTST** Fall 2022 Lunch at the Mathematical and Computational Finance Laboratory (MCFL) “(Affine GARCH option pricing models, stochastic interest rates, and diffusion limits” Zhouzhou Gu (Department of Mathematics and Statistics, University of Calgary) **Tuesday, November 8, 2022 at 12:00pm** in MS569.

**GEOS** Gallagher Visiting Scientist “Roles of aseismic and fluid-driven processes in crustal earthquakes – insights from induced and natural seismicity” Xiaowei Chen (Department of Geology & Geophysics, Texas A&M University) **Tuesday, November 8, 2022 at 4:00pm** in ES136.

**Opportunities**

**Genome Canada: Genomic Applications Partnership Program (GAPP) April 2023 (Round 25)**
Note: the funding deadline calendar posting for GAPP Round 25 has been updated to reflect Genome Canada’s revised deadlines
Genome Canada, in partnership with Genome Alberta (GAB), is seeking proposals for the Genomic Application Partnership Program (GAPP). The GAPP funds downstream research and development projects driven by challenges and opportunities identified by end-users such as industry, government, not-for-profits, or other receptor organizations. This is an ongoing competition and **Expressions of Interest** for Round 25 of the competition must be submitted to Genome Alberta by **December 12th, 2022**, for submission to Genome Canada in December. Interested parties are asked to contact Genome Alberta in advance of providing the EOI for submission, cc’ing ipd@ucalgary.ca to engage University of Calgary Research Services support.

**Reminder: Taylor Institute 2023 Teaching and Learning Grants** are an excellent way to gain funding support for teaching ideas you want to implement and provide avenues for collaborating with peers and students on teaching projects. Details [here](#). **Internal peer review deadline: October 31**. Application deadline: January 15, 2023.

**Reminder: Request for Faculty of Science Conference or Event Sponsorship** request form is now open. If you are hosting an event or conference and would like to request support from the Faculty of Science, please fill out the online form at [Request Conference-Event Support](#) **Deadline** for the Fall term is: **October 31, 2022**.

**Reminder: NSERC Alliance Missions: Anthropogenic Greenhouse Gas Research**
These grants will provide support ranging from $100,000 to $500,000 per year, for a duration of three years, and will encourage interdisciplinary, collaborative research projects supporting net-zero GHG emissions targets. Projects must involve at least one partner organization that can be recognized for cost sharing. Please read the [program description](#) for more details.
**Full Application internal deadline: November 3 at noon**
Reminder: Mobilizing Alberta Climate Action Grants

With support from Environment and Climate Change Canada’s Environmental Damages Fund, UCalgary’s Office of Sustainability is offering up to eight grants up to $50,000 to support projects that mobilize Albertans through climate awareness and action. Program guidelines can be found here.

**Deadline: November 4 at 5pm**

You are strongly encouraged to connect with the Office of Sustainability to discuss your project prior to submitting an application. Contact: Alana-Dawn Eirikson

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Reminder: Natural Resources Canada: Clean Fuels Fund – Establishing Biomass Supply Chains

The Establishing Biomass Supply Chains component includes three different project streams:

- Non-Indigenous Projects (Stream 1)
- Meaningful Indigenous-led Projects Stream (Stream 2)
- Majority Indigenous-led Projects Stream (Stream 3)

Each stream has separate eligibility criteria, different submission timing, different funding levels and contribution repayment requirements. Please see the program guide here, and the applicant form here.

**RSO Internal Deadline: November 18 at noon**

RSO Contact: Tempest Emery

Reminder: ERA: Clean Energy Transition Partnership is now open for applications. This is a transnational initiative. Project proposals require a project consortium consisting of at least three eligible applicants from at least three separate countries/regions participating. **RSO LOI Deadline: November 18 at noon.**

Visit the website for details.

Reminder: Earth Science for Society (ESfS) The 10th Exhibition will take place on November 27-29 at MacEwan Hall. This is a free, fun, educational, and dynamic geoscience outreach event in which students, families, youth groups, and the public are given an opportunity to explore the wonders of Earth science. Interactive, hands-on exhibits are showcased in four themed pavilions. The organizers are seeking volunteers to help out. If interested, please visit https://esfscanada.com/volunteers/.

Reminder: UCalgary International Researcher Partnership Workshop Grant 6 grants of $10,000 each are available from UC International to support partnership workshops for researchers at two or more international institutions to identify, initiate, or advance new projects and funding opportunities. Funding supports two workshops – one at UCalgary and one at the international partner institution. Application deadline: **November 30, 2022 4:30pm**. Contact Heather Clitheroe for assistance in preparing applications. Details and application available online.

Reminder: Let’s Talk Science is recruiting volunteers to start programming in Fall 2022! Volunteers will provide science education through virtual demonstrations and take part in developing their own programming as well. The time commitment is flexible, so you are able to choose how much, or little, that you are wanting to take on. As a volunteer, you will have access to benefits and development opportunities such as UofC CCR hours,
references, interpersonal development, and many more! See attached pdf. If you are interested in learning more or signing up as a volunteer, please e-mail ucltspp@gmail.com

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.

**Simons Investigators in Mathematics, Physics, Astrophysics and Computer Science:** supports midcareer outstanding theoretical scientists. [Details here](#). **Deadline: November 3, 2022.**

**Traditional Fulbright Scholar Awards:** These awards are open to Canadian scholars in all fields, enabling them to conduct research, teach, or undertake a combination of both activities for one semester or a full academic year in the United States. [Details here](#). **Deadline: November 15, 2022.**

**Governor General’s Innovation Awards** To be competitive for these awards, nominated innovators must be 30 years or younger, truly exceptional, transformative, and positive in their impact on the quality of life in Canada. [Details here](#). **Deadline: November 18, 2022.**

**UCalgary Equity, Diversity and Inclusion Awards:** Celebrate inspiring students, faculty, postdoctoral scholars, and collaborative teams working to advance a more accessible, equitable, diverse, and inclusive university. [Details here](#). **Deadline: November 25, 2022.**

**Calgary Awards,** offered by the City of Calgary, celebrate and recognize outstanding achievements and contributions made by Calgarians. There are four main categories of awards. The next round will open on January 4th. [Details here](#). **Deadline: February 1, 2023.**

**Reminder: Taylor Institute: 2023 Teaching & Learning Grants** TL Grants are an excellent way to gain funding support for teaching ideas you want to implement and provide avenues for collaborating with peers and students on teaching projects. [Detail here](#). **Internal peer review deadline: October 31. Deadline: January 15, 2023.**

Opportunities – Health Sciences

**Alberta Innovates LevMax-Health Program Fall 2022**
The LevMax-Health Program specifically leverages high-quality, Alberta-based applications from Tri-agency competitions (NSERC, SSHRC, CIHR) with strong potential to advance Digital Health research and innovation in Alberta. This specific funding opportunity has four thematic areas for consideration: talent; research; commercialization; health system transformation.

LevMax-Health Program objectives are to: support research and innovation clients in Alberta to advance Digital Health; leverage partner relationships to advance Digital Health innovation in Alberta; and increase the number of projects using real-world data to develop Digital Health technologies.

Potential applicants must have applied to a Tri-agency competition in the period between April 1, 2022 to September 30, 2022 and met eligibility but have been deemed unsuccessful.

**RSO Internal Deadline: November 15, 2022 at noon**
RSO Contact: Katie Cupello.

Banting Research Foundation Discovery Award
The Discovery Award is a one-year grant of up to $30,000 for innovative health and biomedical research projects by outstanding new investigators at universities and research institutes in Canada, who are within the first three years of their first academic appointment and who have received less than $200,000 as part of their start-up package. The intent is to provide seed funding so that applicants can 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, 2022.

- A department head will be permitted to nominate only one potential applicant. In the case of non-departmentalized Faculties, only one nomination can go forward from the Faculty.
- The applicant must acknowledge that the plan to submit a proposal has been discussed with the respective Department Chair / Head at the time of submitting a NOI.

As the department/division head may nominate only one applicant during each annual granting cycle, departments or the Faculty (for non-departmentalized Faculties) should contact Anna LeMarquand by December 1, 2022 to advise that a NOI is going forward to the agency. The intent of this notice is to ensure that no more than one application is put forward per department/division. Research Services final internal deadline for the full application is noon on January 19, 2023.

Opportunities – Postdocs and Graduate

CIHR Summer Program in Aging (SPA) 2023 is an intensive 5-day capacity-building program with the aim of providing graduate trainees with advanced training that crosses disciplines, offers networking opportunities, and disseminates best practices in research. SPA has been held yearly across Canada since 2006 on a different strategic theme each year. The program brings together up to 40 research trainees and numerous academic mentors to participate in interactive learning sessions over the course of one week. The strategic theme for SPA 2023 will be Longer-living older adults: Multidisciplinary approaches to a growing area of research on aging.

RSO Final Internal Deadline (Full Application): Monday, November 21, 2022, at 12:00 PM
Contact: postdoc@ucalgary.ca

Canadian Water Resources Association (CWRA) has a number of Graduate scholarship opportunities available. One application per University Department is allowed, so please liaise with your Department Head prior to submitting your application. For more information visit the CWRA website. Application deadline is January 31, 2023.

Reminder: Alzheimer Society Research Program Postdoctoral Fellowships
The ASRP provides grants and awards to support Canadian studies that promise new insights into causes, prevention, diagnosis, treatment and management of Alzheimer’s disease and other dementias.

- Award: $75,000 per year for two (2) years, plus $5,000 per year research allowance
- RSO Final Internal Deadline (Full Application): Tuesday, November 1st
- Contact: postdoc@ucalgary.ca

Reminder: Canadian Society of Geophysics Foundation (CSEGF): awards annual scholarships to deserving geophysics students from universities across Canada. Scholarships are awarded based on academic performance, financial need, interest in geophysics, extra-curricular activities, leadership roles and references. Apply online Scholarship Online Application Deadline: November 1, 2022. See attached pdf
Reminder: Eyes High Postdoctoral Match-Funding Program (Fall 2022) This program will award partial salary ($25k for 2 years) support for postdocs who will be highly competitive for external awards and will help advance the University of Calgary’s strategic research and innovation plan. This funding is intended for individuals who will be new postdocs at the University of Calgary at the start of their appointment. Contact vprawards@ucalgary.ca. Deadline: November 4, 2022.

Reminder: Polar Knowledge Canada’s Northern Scientific Training Program (NSTP) supports graduate student research in the circumpolar north. Now accepting applications for the 2023-24 field season. Application deadline November 10, 2022. Visit the Arctic Institute of North America website for more information.

Congratulations!

Congratulation to Dr. Adam Runions (CPSC) on his appointment as the head of the Partner Group of the Max Planck Institute (MPI) for Plant Breeding Research (Germany) at the University of Calgary. The appointment comes with up to 5 years of funding to support collaboration with their Max Planck partner. Appointments like these are awarded to outstanding early-career researchers. This is the first time a Max Planck partner group has ever been established in Canada!

Did You Know?

UFlourish runs October 24-November 4, 2022. Support your well-being through online and in-person workshops, events and activities.

Reminder: Those of you that have a website on the people.ucalgary.ca server will have received an email from central IT this week that websites on people.ucalgary.ca will be discontinued as of October 31, 2022. This is a reminder to remove any data or documents you have before the deadline as your live website will be taken off-line after Oct. 31st.

If you need assistance with downloading your information please create a Service Ticket for IT’s Integrated Web Services Team by doing the following:

- Go to Central IT’s main page at https://ucalgary.service-now.com/it
- Click on the orange “Order something” link in the left-hand column
- Click on “Applications and software”
- Click on “Website Requests”
- Fill out form (select "Website creation/deletion")
Visit IT's FAQ page for more information. You may also email Coral Burns at burnsc@ucalgary.ca for details of web environments available to you if you require a future web presence.

**W2023 Special Topics Courses for Science Grad students**

**SCIE 507.33 Emerging Technologies and Entrepreneurial Thinking in Evolving Energy Systems** will be offered (Tu 2:00 – 4:45 pm, ENF 334). Open to graduate students in any program in the Faculty of Science. For more information please contact David Eaton.

**GEOP 699-01 Global Seismology** will be offered (Tu-Th 11:00-12:15). In addition to geophysics grad students with an interest in seismology, this course may be of interest to mathematically-inclined geology grad students who have an interest in earthquakes and/or the Earth's deep interior. For more information please contact David Eaton.

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 sciborg@ucalgary.ca to ensure it is added.