Thesis Defense Seminars

**BISI** PhD Final Seminar: “The Shape of Silence: Nuclear Envelope Lipids in Nuclear Shape and Transcription” by M. Laura Sosa Ponce (Supervisor: Dr. Vanina Zaremberg) **Wednesday, April 12, 2023 at 9:00am in BI211 and on Zoom.** Please contact the Biological Sciences Department for zoom details ([biosci@ucalgary.ca](mailto:biosci@ucalgary.ca))

**CHEM** MSc Final Seminar: “Quantum dot photoactivation: mechanisms of photostability of InP/ZnS core/shell quantum dots” by Toni Sikkema (Supervisor: Dr. Belinda Heyne) **Thursday, April 13, 2023 at 9:30am in MS431**

**BISI** PhD Final Seminar: “Bumble bee use of heterogeneous mountain habitats: a landscape genomic approach” by Danielle Clake (Supervisor: Dr. Paul Galpern) **Friday, April 14, 2023 at 10:00am in BI 211 and on Zoom.** Please contact the Biological Sciences Department for zoom details ([biosci@ucalgary.ca](mailto:biosci@ucalgary.ca))

**GEOS** MSc Final Seminar: “Poroelastic modeling of soap hole formation” by Sarah Reid (Supervisor: Dr. Rachel Lauer) **Tuesday, April 18, 2023 at 2:00pm in ES 136**

**CPSC** MSc Final Seminar: “Low-Overhead Packet Loss Diagnosis for Virtual Private Clouds using P4-Programmable NICs” by Aali Bagi Soroush (Supervisor: Dr. Majid Ghaderi) **Thursday, April 20, 2023 at 12:00pm on Zoom.** Please contact the Computer Science Department for zoom details ([cpsc@ucalgary.ca](mailto:cpsc@ucalgary.ca))

Seminars & Events

**GEOS** Gold: “Transformative teaching: Strategies for teaching geoscience and about geoscience” by Glenn Dolphin **Wednesday, April 12, 2023 at 12:00pm on Zoom.** Please contact the Geoscience Department for zoom details ([geoscience@ucalgary.ca](mailto:geoscience@ucalgary.ca))

**Faculty of Science** EDI Leadership Group: “Language Barriers in Academica” by Katharina Koch (School of Public Policy) on **Thursday, April 13, 2023 at 10:00am in BI211.** Please review attached paper prior to the meeting.

**ENSC** Environmental Science Open House and Elizabeth Dixon Symposium on **Friday, April 14, 2023 in The Taylor Institute and Zoom.** **ENSC 502 Open House: Innovative Solutions to Address the Biodiversity Crisis.** Presentations: 10:00am-12:00pm. Poster Session: 12:00pm to 12:45pm in The Forum Room, TITL building, See attached pdf and use QR code to register.

**Faculty of Science** Parex Resources Innovation Fellowship Program Information Session on **Monday, April 17, 2023 at 11:30 am in BI540B.** Please register here. For more information, see attached pdf.

**SSE** Schulich Sparks: “Industry Partnership Event” with a goal to establish connections with industry, understand their research needs and develop collaborative research projects between companies and our faculty. This session will focus on multiple areas: low-carbon hydrogen production, storage, and transport, and geospatial artificial intelligence. Industry attendees include IEPS, MRF GeoSystems, Transition Accelerator, and CNRL. See attached pdf’s for more information. **Wednesday, April 18, 2023 at 8:30 am in ENG 207.** Registration Deadline: Wednesday April 12, 2023. Register Now
MTST Lunch at the Lab: “Locational Spread Option with Stochastic Correlation” by Syeda Fareeha Ali on Tuesday April 18, 2023 at 12:00pm in MS 569

CHEM short course on “Artificial Intelligence for Chemistry and Materials Science”, Maicon Lourenço (Universidade Federal do Espírito Santo) Three sessions, 90 minutes each, scheduled Tuesday, Wednesday and Thursday, April 18-20, 2023 10:00 – 11:30am CMS kitchen (BI562). For more information see attached pdf. To ‘enroll’ please contact Dennis Salahub

HBI presents the first Annual Meeting of the University of Calgary’s Computational Neuroscience Platform on Monday, May 15, 2023 at the Downtown Campus. Abstract submissions Deadline is May 1, 2023, at midnight (MT), Submit your Abstract Registration is required to attend - RSVP deadline is Monday, May 8, 2023, at 12:00 pm RSVP Now

2023 BioNet Conference is now accepting Abstracts. This conference will run on-site at the Lister Conference Center on campus at the University of Alberta from May 31st to June 2nd and will showcase the excellence of Bioinformatics and Omics Biology throughout Western Canada. Abstract Deadline: May 1, 2023. See attached pdf for more information.

There’s an App for that! This virtual workshop will provide an introduction for biologists building their own apps for data collection with AppSheet. Instructor: Dr. Katie Lotterhos (Dept. Marine & Environmental Sciences, Northeastern University). June 12, 2023 10am-3pm. To register visit: There’s an App for That - Registration

Opportunities

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 Spring/Summer term is: May 15, 2023.

NSERC-SSHRC Sustainable agriculture research initiative is a joint effort between the Natural Sciences and Engineering Research Council (NSERC) and the Social Sciences and Humanities Research Council (SSHRC), in collaboration with Agriculture and Agri-Food Canada (AAFC) to fund multidisciplinary, collaborative networks of researchers to address specific research objectives by initiating or accelerating the development of truly transformative solutions, and by mobilizing expertise, technologies and research in social sciences, natural sciences and engineering and in areas that broaden the traditional network of agriculture research partners. Grant support from this initiative will range from $500,000 to $2,000,000 per year, for four years. NSERC and SSHRC will provide support for 100% of the eligible costs of research. Although partner organizations do not need to provide cash contributions to participate, they must actively play a role in the research project and support it through in-kind contributions.

Applicants are limited to one application as the principal applicant, but you can be a co-applicant or collaborator on more than one application. There must be no duplication of funding; each grant must cover distinct expenses. Internal Deadlines:

- LOI: May 3, 2023, by noon
- Full application: November 3, 2023, by noon

Webinar:
Tuesday, May 2 from 9:30am-10:30am
Please email sci.ad.admin@ucalgary.ca for Zoom link

VPR Catalyst Grants
UCalgary’s internal **VPR Catalyst Grants** program asks researchers to **think boldly and strategically to maximize the impact of downstream funding**. VPR Catalyst Grants will prioritize those who present a winning research context, including aspects such as mentorship, strong collaborators, and knowledge engagement partnerships.

- Designed to catalyze research initiatives that will lead to substantial external funding
- Intended to support early-stage research activities
- Value: $1,000 - $15,000
- Duration: Catalyst funds should be used within 6 months
- **Next intake: May 15**

For questions and more information about Catalyst Grants, please contact [vpr.catalyst@ucalgary.ca](mailto:vpr.catalyst@ucalgary.ca)

**New Strategic Alliance initiative for VPR Catalyst Grants**

UCalgary has formed a [tripartite Alliance with the University of Aberdeen and Curtin University](mailto:), designed to leverage research and academic strengths from all three institutions through comprehensive collaboration. Scholars connected with the Alliance should identify their proposal as such in their VPR Catalyst Grants application. UCalgary scholars interested in making connections with colleagues at Aberdeen or Curtin should contact Nishan Sharma, Manager, [International Research](mailto:) at [UCIResearch@ucalgary.ca](mailto:).

**Next intake: May 15**

**VPR Catalyst Grants Information Session: April 26, 3:00 - 4:00 pm**

Please join Research Services and UCalgary International for an overview of the VPR Catalyst Grants and the new connection with Curtin-Aberdeen Strategic Alliance. This session will be hosted online. [Register here](mailto:).

**Reminder: NRCan Energy Innovation Program – Carbon Capture, Utilization, And Storage (CCUS) Research, Development, And Demonstration (RD&D) Call** aims to support the RD&D of CO2 storage and transportation technologies as well as related scientific activities that advance and enable the characterization and development of safe, cost-effective, and permanent geological storage of CO2, and the development of technologies that support safe and efficient transportation of CO2 across Canada. This focus area also expects to support activities that enable planning and development of CO2 storage and transportation hubs, address technical, scientific, or social license barriers to CO2 storage and transportation, as well as generate knowledge to support development of regulatory frameworks and codes and standards.

**Expression of Interest**

To apply to the CCUS RD&D Storage and Transportation focus area, applicants must complete and submit their expression of interest (EOI) application via email to NRCan ([EIP-CCUS.PIE-CUSC@nrcan-rncan.gc.ca](mailto:EIP-CCUS.PIE-CUSC@nrcan-rncan.gc.ca)) by 11:59pm ET on April 17, 2023. The EOI application template (fillable PDF format) can be downloaded from [NRCan’s website](mailto:).

As the EOI is a competitive stage with evaluation, applicants must complete the RMS record and submit for internal approvals in addition to submitting via NRCan.

**RSO Internal EOI Deadline: April 12 at 12:00pm**

**RSO Contact:** [Tempest Emery](mailto:)

**Reminder: PIMS/BIRS Team Up! Pathways to Inclusive Research** This program provides opportunities for in-person collaboration to teams of mathematical scientists, targeting researchers whose research program may have been disproportionately affected by various obstacles like family obligations, professional isolation, access to funding, and the COVID-19 pandemic. This includes, but need not be limited to, women, gender-expansive, and minoritized groups, Indigenous scholars, individuals with visible/invisible challenges and early-career researchers with limited resources. **Deadline is April 15, 2023** [Link for more information](mailto:).

**Reminder: Alberta Innovates Accelerating Innovations into CarE (AICE) — Validate Program** is an opportunity for Alberta’s health-tech innovators to accelerate the commercialization of emerging health technologies through the early validation phase. The program specifically provides support for Alberta innovators.
that have proof of concept and are now ready to refine and validate their technology and business. The objective of the AICE-Validate program is to support Alberta innovators to advance their Product-Market Fit, Business Readiness, Regulatory Compliance, and Product Development of their health innovations during the committing and early validation phases of their commercialization journey.

The AICE-Validate Program has multiple submission dates throughout the year. Intake Forms must be submitted at least 4 weeks in advance to be considered and invited to submit a Full Application on the following submission dates: April 28, 2023; August 11, 2023, and November 24, 2023.

Next RSO Internal Deadline (full application) April 25, 2023 at noon
RSO contact: Katie Cupello

Reminder: NFRF 2023 International Joint Initiative for Research in Climate Change Adaptation and Mitigation, International stream will provide funding of up to $1,200,000 for 3 years (plus indirect costs) to further the design and implementation of co-produced adaptation and mitigation strategies for vulnerable groups—those groups currently most impacted by the effects of climate change owing to both physical and socioeconomic vulnerability.

Project teams will comprise a minimum of three co-principal investigators, and teams must apply for funding from at least two of the participating consortium partners (NFRF being one). Competition parameters are complex; interested researchers should review detailed requirements on the competition web page. The Research Services team will work with partner units in the office of the Vice-President Research and across campus to provide resources and facilitate support services for applicant teams. Contact ipd@ucalgary.ca as soon as possible for more information on supports.

Mandatory Notice of Intent via Convergence Portal – RSO internal deadline April 25 at 9am

Reminder: Parex Resources Innovation Fellowships - 2023-2024

Launched in 2019, the Parex Resources Innovation Fellowships are for researchers from across the university who are immersed in academic research and community partnerships leading to start-ups or technology advancements based on new discoveries, insight, and innovation. These Fellowships are supported by an endowment from alumnus Wayne Foo and Parex Resources Inc. with the goal of enabling researchers to focus on translating research results into societal impact.

Two types of fellowships are currently available to tenure track/tenured faculty:
- Parex Resources Innovation Fellowship (5)
- Parex Resources Visiting Innovation Fellowship (1)

Award: $20,000 and 1 HCE Teaching Relief for Faculty of Science Faculty

Deadline: April 28, 2023, 8:00am

Find more information here to apply click here

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.

Calgary’s Top 40 Under 40 (Avenue Magazine) celebrates Calgarians who are excelling in their careers, passionate about contributing to the community, helping to raise the profile of our city. Details here. Deadline May 10, 2023.

Dorothy Killam Fellowship and Killam Prize (National Research Council) are among the top research honors in Canada. Institutional deadlines apply. Contact Danielle if interested. Details here. Deadline: June 2, 2023.
**ASTech Awards** (Technology Alberta) recognizes inspiring innovation in Alberta, paving the way for leaders of tomorrow or developing amazing products or research. [Details here.](#) **Deadline June 30, 2023.**

**Opportunities – Health Sciences**

**Reminder: Sick Kids New Investigator Research Grant** enables early-career researchers to make a meaningful contribution to the fight for children’s health. They are jointly sponsored by SickKids Foundation and the Canadian Institutes of Health Research Institute of Human Development, Child and Youth Health. Grant recipients may obtain up to three years of support for research in the biomedical, clinical, health systems and services, population and public health sectors. This program provides support to child health researchers early in their careers so that they can compete with more senior investigators for research grants from other funders. An early career researcher is within 5 years of their first academic appointment. **RSO Deadline for Full application: April 17 at noon**

**RSO contact** Stephanie Patrick

**Reminder: Canada Lung Association Allied Health Research Grant** aims to promote research in areas that contribute to the field of respiratory health in Canada. Studies should include research related to an applied or clinical question using quantitative or qualitative methodologies. The study may include a basic science component, but the primary research questions must be applied or clinically focused. The Allied Health Operating grant is based on a 50:50 match formula between the Canadian Lung Association and the Principal Investigator. The matching funds can include funding from active operating grants, PI’s department or institution, and/or a research partner, including a Provincial Lung Association. The PI, department head, host institution, and/or a partner agency is required to provide written confirmation of the remaining funding - $10,000 - for one (1) year. **RSO Deadline for Full application: April 21, 2023 at noon**

**RSO contact** Stephanie Patrick

**Reminder: Canadian Asthma, Allergy, and Immunology Foundation (CAAIF) Research Grants** invests in research leading to new and better treatments that improve the lives of Canadians living with allergy, asthma and immunologic diseases. There are 2 research grants available, both valued at $50,000 for one year and due to the agency by May 1, 2023:

- The objective of the **CAAIF-Miravo Healthcare Research Grant in Upper Airway Allergic Disease** is to fund a research grant focused on the area of upper airway allergic disease.
- The objective of the **CASP-CAAIF-Biocryst Research Grant in Hereditary Angioedema (HAE)** is to fund a research grant focused on the area of Hereditary Angioedema (HAE). **RSO Deadline for Full application: April 26, 2023 at noon**

**RSO contact** Stephanie Patrick

**Reminder: CIHR Operating Grant: HIV/AIDS and STBBI Community-Based Research** is one of four research funding areas of the [CIHR HIV/AIDS and STBBI Research Initiative](https://cihr-icrhr.gc.ca/e pubs/intiative/), and supports the mission to strengthen and support a diverse, inclusive and collaborative research community that applies community-based, holistic and inter- and transdisciplinary approaches to create and mobilize knowledge for better and equitable prevention, testing, treatment and care of HIV/AIDS and STBBI in Canada and around the world as outlined in the [CIHR HIV/AIDS and STBBI Research Initiative Strategic Plan 2022-2027](https://cihr-icrhr.gc.ca/e pubs/intiative/)

**Full application: RSO Internal Deadline is noon on Friday, April 27**

**RSO Contact:** Lindsey Hritzuk

**Reminder: CIHR Catalyst Grant: HIV/AIDS and STBBI Community-Based Research**
The aim of this funding opportunity is to provide seed money to support HIV and/or other sexually-transmitted and blood-borne infections, community-based research program planning and development activities and/or research activities which represent a first step towards the pursuit of more comprehensive funding opportunities (e.g., operating grants).

**Full application:** RSO Internal Deadline is noon on Friday, April 27, 2023

RSO Contact: Lindsey Hritzuk

**Reminder: Weston Foundation Brain Health: Sleep 2023 Program** seeks to accelerate the research and development of sleep-based strategies that improve brain-related outcome measures relevant to (or associated with) NDAs. This includes observational studies (e.g., studies mining existing databases, cohort studies, biomarkers studies) and interventional studies in humans (e.g., pilot studies, proof-of-concept trials, ancillary trials). Work involving animal models/data are not in scope of the program.

RSO Deadline for LOI: **July 6, 2023 at noon**

RSO contact Stephanie Patrick

**Opportunities – Postdocs and Graduate**

**Banting Postdoctoral Fellowships – Information Session**

The Banting Postdoctoral Fellowships program provides funding to the very best postdoctoral applicants, both nationally and internationally, who will positively contribute to the country's economic, social and research-based growth. The objective of the Banting Postdoctoral Fellowships program is to:

- Attract and retain top-tier postdoctoral talent, both nationally and internationally
- Develop their leadership potential
- Position them for success as research leaders of tomorrow

The Banting Postdoctoral Fellowships Program differs from traditional programs in its emphasis on synergy between the applicant (their respective merits and potential to launch an international-level, research-intensive career), and the institution (its commitment to the research program/environment in which the candidate will operate, and how this will lead to a successful academic career).

**Attend this workshop for an overview of the Banting Postdoctoral Fellowship Program, information on how to submit a Letter of Interest (LOI), and tips for crafting a successful application.** Co-presented by Associate Vice-President (Research), Dr. Penny Pexman and Adjunct Professor and Fellow of the Royal Society of Canada, Dr. Christine Friedenreich.

When: **April 21, 2023, 9 - 10:30 AM** Register here

RSO Contact: Caitlin Janzen

**Parex Innovation Postdoctoral Fellowships 2023-2024** The Innovation Postdoctoral Fellowships are awarded to postdoctoral fellows with a track record of innovation activities. Innovation activities refers to the translation of research results into societal impact. Working with non-academic research partners, creating a start-up, working with innovation organizations, and engaging with government and not-for-profit organizations on policy development, are all examples of innovation activities. This fellowship is currently only available to postdoctoral fellows in the Faculties of Kinesiology, Cumming, Science, Law, Veterinary Medicine and the School of Architecture, Planning, and Landscape.

**Award:** Each fellowship is valued at $3,000. The fellowship will be paid out as a salary top-up.

Find more information [here](#). To apply click [here](#)

**Deadline:** April 28, 2023, 8:00am

**Congratulations!**

Lauren DeDieu (MTST) has received the 2023 PIMS funding for her program - Alberta Summer Camps for Girls.
Congrats, Lauren!

**Did You Know?**

**Call for Indigenous University Student Artists!** The Undergraduate students in the Biological Sciences Equity Committee are commissioning an art piece for the BISI building. See attachment for more information.

**Giving Day is April 27, 2023.** All eligible Giving Day donations made by midnight on April 27 will be matched, dollar for dollar, up to $2,500 per gift while matching funds last.

Science Research and Innovation Newsletter (SRIN) comes out every Monday. 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.