Welcome to our first Science Research and Innovation Newsletter  
April 12, 2021

Seminars

**CHEM** CHEM 601/603 Analytical Seminar, April 12th: Tristen Bridle will present his analytical seminar on Forensic Fiber Analysis by Thermal Desorption/Pyrolysis-Direct Analysis in Real Time-Mass Spectrometry.  
https://ucalgary.zoom.us/j/94251817720  
Meeting ID: 942 5181 7720  
Passcode: chemistry

**GEOS** G.O.L.D. meeting (Geoscience Open Lunch Discussions), April 14th, 2021 at 12pm, Dane Synnott: “How did wildfires help shape the Late Cretaceous Canadian Arctic?”.  
Meeting ID: 998 9545 5280  
Passcode: UofC_GOLD  
https://ucalgary.zoom.us/s/99895455280

**MTST** Dr. Abhijeet Alase, Killam Postdoctoral Fellow 2020, Institute for Quantum Science and Technology, Faculty of Science, will be presenting a colloquium on Bulk-boundary correspondence in topological phases of matter, on April 15th at 2pm.  
Zoom Meeting ID: 918 3739 5415  
Passcode: 280846

**PHAS** Dr. Kerry J. Vahala, Jenkins Professor and Professor of Applied Physics at Caltech will be presenting a colloquium on Microcombs: Unifying the optoelectronic spectrum at the chip-scale, on April 12th at 2:00 PM MDT.  
Please register here.

Opportunities

**NSERC and Mitacs are offering a streamlined opportunity to support university R&D**  
NSERC and Mitacs are pleased to build on the success of their existing partnership with a new joint initiative that will support the R&D efforts of Canadian university researchers and their partners, while supporting highly qualified personnel including students and/or postdoctoral fellows.  
For more information, please visit the [NSERC Alliance-Mitacs Accelerate Grants webpage](#).  

**Connecting with you - Hunter Hub’s Academic Strategy**  
Dr. Alice De Koning, Hunter Hub Academic Director and the Executive Director, Keri Damen, will present the Hunter Hub’s Academic Strategy (2021-2022), and would like your feedback and are also very interested to hear your current priorities, activities and programs. Please contact Frank Maurer ([fmaurer@ucalgary.ca](mailto:fmaurer@ucalgary.ca)) if you are interested.
CRIN has three current opportunities available:

1. **Reducing Environmental Footprint Technology Competition**, opened March 24, 2021. This opportunity is designed to advance technology solutions for high-priority environmental challenges across the oil and gas industry with the intent to export technologies internationally and for application within Canada’s industrial sector. Funding will support breakthrough technology solutions aligned with one or more of the following: *water technology development; methane emissions, monitoring, quantification and abatement; and/or novel hydrocarbon extraction.* Value: up to $10 million.

2. **Low Emission Fuels and Products Technology Competition**, opened March 31, 2021. This opportunity will source technologies that reduce the carbon intensity of the products and processes from Canada’s oil and gas industry including transportation fuels and other hydrocarbon-derived products. Funding will support breakthrough technology solutions aligned with one or more of the following technology focus areas: *innovative products from hydrocarbons; carbon capture and utilization; and/or low-carbon intensity alternatives and new fuels.* Value: up to $10 million.
   *Information webinar April 21, 2021, 10:00 am MT; register here.*

3. **Digital Oil and Gas Technology Competition**, opening in mid-May 2021. This opportunity will identify high-impact digital technology solutions to address challenges in Canada’s oil and gas industry with the goal of improving environmental performance and competitiveness. The oil and gas industry is looking for breakthrough digital solutions to address environmental and economic challenges in the production of hydrocarbons from source to end use, including but not limited to the following focus area examples: environmental monitoring; health and safety; capital project execution; operations excellence and efficiency. Additional details will be available closer to the May 2021 competition opening. Value: up to $1M.

**ADDF-Harrington Scholar Program**
The ADDF-Harrington Scholar Program is dedicated to advancing academic discoveries into medicines for Alzheimer’s disease and related dementias. This unique award provides funding and committed project support by a team of pharmaceutical industry experts through a collaboration with the Alzheimer’s Drug Discovery Foundation (ADDF) and Harrington Discovery Institute. *This is a special funding opportunity separate from ADDF’s Core Funding Programs.*
Research Services LOI deadline is **April 20, 2021 at noon.**
Research Services full application deadline is **July 27, 2021 at noon.**

Contact: [Lisa Singh](mailto:lisa.singh@ucalgary.ca)
The Healthy Communities Initiative is a $31 million investment from the Government of Canada to transform public spaces in response to COVID-19.

Public spaces are the glue to our communities: they enable a feeling of belonging, of social cohesion and encourage our sense of collective identity. COVID-19 has seriously constrained our access and use of these spaces in communities across Canada. Impacts of the virus have also been extraordinarily uneven, underscoring inequalities across communities and disproportionately impacting those who are already experiencing vulnerability as a result of systemic inequalities.

The Healthy Communities Initiative will provide funding to a broad range of organizations, including local governments, post-secondary educational institutions, charities, Indigenous communities and non-profits, for projects, programming and services.

Healthy Communities Initiative projects will:

- respond to identified needs arising from impacts of COVID-19
- create and adapt public spaces, programming, and services for public spaces in the public interest
- demonstrate consideration of and connection with community
- serve the general public or a community of disproportionately impacted by COVID-19; and
- fall within the three Healthy Communities Initiative theme areas (Safe and vibrant public spaces; Improved mobility options; and Digital solutions)

The minimum funding amount for projects is $5,000 and the maximum funding amount is $250,000 for each project.

Eligible organizations are able to submit only one application to this competition. In order to determine which proposal will go forward as the University of Calgary’s institutional application, we invite interested applicants to complete a Letter of Intent for internal review. The VPR Office will establish a committee to review these Letters of Intent; the applicant whose project is selected by that committee will then be invited to complete the full application for submission to Community Foundations of Canada.

For more information around requirements for the Letter of Intent review process, please refer to the Research Services Funding Calendar.

Internal Deadline to submit a Letter of Intent for VPR consideration: May 3, 2021 at noon.

Agency Deadline for selected application: June 25, 2021.

Contact: Tempest Emery

For more information on these and other Funding Opportunities, please visit the Funding Deadline Calendar.

To include items in this newsletter, please email sci.research@ucalgary.ca