TRU Research Community,

We have now been working remotely for three months, and want to take this opportunity to recognize some of the exceptional efforts that have been made to make this transition go as smoothly as possible. Since mid-March, eight graduate students have defended their thesis remotely, and this has been made possible in large part due to the dedication and skill of **Catrina Ertel**, IT Analyst, William's Lake Campus, and **Emily Mullen**, Graduate Studies and Research Coordinator. We are very grateful for their professionalism, and for their ongoing commitment to ensuring the success of our graduate students.

COVID-19 research impacts

The Research Office is committed to providing up-to-date information designed to facilitate the continuation of faculty and student research during this global pandemic. This website will be updated regularly, and includes links to Tri-Agency pandemic response, information about research continuity planning, guidelines for research teams, travel awards, funding opportunities, and more. We advise you bookmark this page and check back regularly, as this situation is rapidly changing.

Remote thesis defences are now open

TRU remote thesis defences are open to public audiences, and the first open defence was a complete success. Remote defences are conducted using BlueJeans, and specific meeting connection instructions will be provided in the email announcements that are distributed to the TRU community. After the candidate's committee has completed their rounds of questioning, and if time

permits, audience members will have an opportunity to submit questions in writing using the chat feature.

Recent defences:

Gurleen Dhial Sanga, Master of Education, "Contemporary racism in Canada: Lived experiences of South Asian Canadians."

Research initiatives

Tap into Research continues in a new format

We are thrilled with the response to our virtual Tap into Research series, and will continue to use this platform to mobilize TRU's research.
The talks all take place via YouTube Premier. Follow us on Facebook for all of our upcoming events.

• **Dr. Rochelle Stevenson** presents **Domestic Violence in a Pandemic, June 10, 7-7:30 pm**. Dr. Stevenson provides an overview of the potential reasons for the increase of domestic violence, a discussion of how animals are included in such violence, as well as research enabling a freely available resource supporting both human and animal family members to find safety from abuse.
• **Dr. Nancy Van Wagoner** presents **Volcanos of the BC Interior, June 24, 7-7:30 pm.** Join us on this virtual field trip through some of the key exposures of the Kamloops-Challis volcanic belt, where we will address important research inquiries along the way.
From the archive
• **Dr. Lyn Baldwin**, Backyard botany (premiered May 27)
• **Dr. Katie Sykes**, Law, Tech & COVID-19 (premiered May 13)

Human security webinar a success

On June 3, **Dr. Robert Hanlon** led a webinar that brought international voices together to discuss some of the most pressing themes facing policy makers in Asia, while offering critical reflections on how a human security approach can offer insights on how governments respond to the current crisis. Nearly 40 people attended the webinar, and there are plans to host another in July. Hanlon is the Director of the Canada and Asia Pacific Policy Project, based at TRU.

Write for The Conversation

TRU partnered with *The Conversation Canada* in 2018, and this partnership has assisted faculty across disciplines to share their knowledge widely. Last year alone there were 19 articles written by 15 researchers for a readership of 241,311. All articles are reproduced by the Canadian Press, but other top publishers include the Ottawa Citizen, The Tyee, Global News, LiveScience and Salon.

If you have been considering writing an article for *The Conversation*, please reach out to Danna Bach for more information, or simply register as an author, and make your pitch.

Research News

Larsen awarded professorship for ecological research contributions

Dr. Karl Larsen has been awarded the Northcote and Brink Professorship for his research that has led to provincial changes in how we manage our landscape for the benefit of BC's most vulnerable species.

Read more

Provincial scholarships support graduate research

Jesse Biddlecomb, **Nick Fontaine**, **Fauve Garson** and **Michelle Delany** have been awarded BC Graduate Scholarships worth $15,000 each. This investment from the Province recognizes the essential role grad students play in post-secondary.

Read more

Nurses are practicing, learning, and leading health research

Rose Melnyk, St'uxwtéws (Bonaparte), is working with **Dr. Lisa Bourque Bearskin** on a research project to co-develop an Indigenous Wellness Network within Interior Health.

Read more

Research investigates crisis communication during flooding, fires

Dr. Michael Mehta, with **Drs. Wendy Gardner** and **Wendy McKenzie**, are investigating traditional models of risk communication, with the goal of developing new, more agile methods.

Read more

Student research fellowships create links between campus and community

Two student researchers, **Will Primrose** and **Youssef Ekladuce**, have been awarded Community-Engaged Student Research Fellowships.

Read more

Research in the media

Rattlesnakes on a plain: How cars, pollution and suburbia threaten these mysterious creatures **Dr. Karl Larsen** and graduate student **Marcus Atkins** co-authored an article for *The Conversation Canada* that identifies the many threats facing Western Rattlesnakes. The article was later reproduced in The Canadian Press, LiveScience, Global News, and Salon.

International study on the effects of childcare policies Dr. Lindsey McKay is part of an international interdisciplinary team of researchers studying how childcare services, parental leave policies and employment policies impact diverse Canadian families. The team is led by Dr. Andrea Doucet, Canada Research Chair in Gender, Work and Care, based at Brock University, and is funded by a $2.5 million SSHRC Partnership Grant.

Funding news

For the most up-to-date- news on Tri-Agency response to COVID-19, please visit the following:

- COVID-19 Impacts on SSHRC's Policies and Programs
- NSERC program information in relation to COVID-19
- CIHR: Coronavirus disease (COVID-19)

Please visit COVID-19 Research Impacts for more information.

At this time all research granting agencies are adjusting grant and award application dates, adjudication periods, reporting timelines, and spending policies. For specifics, please contact Megan Prins.

Funding opportunities (external)

For information about upcoming external funding opportunities, please consider bookmarking the Funding Calendar. A new calendar for COVID related research grants has been created, and features sponsored research opportunities on the novel coronavirus.

- To receive critical institutional approval and grant development support, please contact Anita Sharma or Megan Prins at least **two weeks prior** to the listed deadline. Deadlines noted below are external deadlines.

Canada Council for the Arts
Digital Originals

Deadlines: Rolling, mid-May to June 15
Award amount: $5,000
This initiative offers micro innovation grants to help artists, arts groups, and

organizations pivot their work for online sharing.

• Artists, groups, organizations can either adapt their existing work or create a new work for digital dissemination to the Canadian public during the COVID-19 pandemic.
• Funded projects will be housed on a dedicated CBC/Radio-Canada website.
• Additionally, CBC/Radio-Canada will feature selected projects on at least one of its digital platforms. Selected projects for the curated CBC-Radio/Canada showcase will receive a supplemental amount of $1,000.

Besrour Centre for Global Family Medicine
Global COVID-19 Pandemic Response and Impact Grant (Global Co-RIG)

Deadline: July 20
Award value: $50,000
The goal of this initiative is to have the greatest impact for reducing morbidity and mortality associated with COVID-19. Because our greatest strength at present for battling the pandemic is the exchange of information, and because the virus cannot be fully contained unless nations around the world cooperate, an important aspect of the innovation will be the ability to transfer lessons across contexts. The family practice innovations that are likely to have a high degree of impact include education innovations, practice innovations, and responses that address equity and inclusion.

Canadian Foundation for Innovation (CFI)
Exceptional Opportunities Fund (EOF)- COVID-19

Deadline: July 6
Award value: $200,000
Note: Applicants must confer with their Dean and the Research Office before preparing a proposal
In response to the current pandemic, the CFI is launching an EOF – COVID-19 competition and investing up to $25 million with the objective of supporting urgent needs for equipment for ongoing research related to COVID-19. As an exception to our usual competitions, the CFI will cover up to 100 percent of the eligible costs of a project. However, the CFI encourages institutions to seek funding from other partners when possible, as this will broaden the scope of the initiative

The EOF competition is open for proposals from all disciplines that can demonstrate a direct and immediate impact on current and pressing research issues related to COVID-19. This may include, but is not limited to, research in

epidemiology, virology, vaccine development, diagnostics, therapeutic devices, mental health, social and economic policy and public health response. To qualify for this funding opportunity, a project must meet the following requirements:

• The infrastructure component must be an indispensable element of an ongoing research project related to COVID-19.
• The infrastructure component must be acquired at the latest by March 31, 2021.

Please note that construction costs are not eligible expenses for this competition. However, costs of minor renovations are eligible if the renovations can be completed by March 31, 2021.

International Development Research Centre (IDRC)
COVID-19 Global South Artificial Intelligence and Data Innovation Program

Deadline: June 28
Award value: $1.25 million/2 years
IDRC and the Swedish International Development Cooperation Agency (Sida) are contributing up to CA$10 million towards a COVID-19 Global South Artificial Intelligence and Data Innovation Program. The Program aims to support multidisciplinary research to deepen understanding of how to develop and scale responsible (inclusive, rights-based, ethical, and sustainable) evidence-based artificial intelligence (AI) and data science approaches that support COVID-19 response and recovery in low- and middle-income countries (LMICs). *Please read the* call document *and the* FAQ page *before submitting your application to the Research Office.*

CIHR

Spring and Fall Project Grant Updates: For an important update on the Spring Project grants being shifted to summer adjudication will impact the Fall Project Grant competition.

Operating Grant: COVID-19 Mental Health & Substance Use Service Needs and Delivery

Deadline: June 18 (registration); July 7 (application)
Award value: $200,000/1year
This rapid response operating grant funding aims to more explicitly address the specific mental health and/or substance use crisis response needs resulting

from the COVID-19 pandemic and/or the strategies to contain and mitigate its impact. As with the previous funding opportunity, this includes the mental health and substance use impacts caused by prolonged periods of social isolation, unexpected employment disruptions, increased vulnerability of older adults, school closures, financial distress, and changes to routine, among others. Moreover, this funding also aims to help prepare the mental health and/or substance use health care systems for the COVID-19 post-pandemic future, including additional, unexpected crises.

Team Grant: Food Security and Climate Change in the Canadian North

Deadline: LOI: Aug. 5 (successful LOIs will be awarded $25,000 to develop a full application)**; Full application May 2021**
Award amount: Up to 1.5 million over 4 years.
The goal of this initiative is to support multidisciplinary teams of researchers, knowledge users and/or partners to work together to address food security and climate change in the North.

SSHRC

Connection Grants

Deadlines: Aug. 1, Nov. 1, Feb. 1
Award amount: $7,000 to $25,000 (events); up to $50,000 (outreach activities)
Connection grants support events and outreach activities geared toward short-term, targeted knowledge mobilization initiatives. Events and outreach activities funded by a Connection Grant may often serve as a first step toward more comprehensive and longer-term projects potentially eligible for funding through other SSHRC funding opportunities listed in SSHRC's Funding search tool.

Partnership Engage Grants (PEG) COVID-19 Special Initiative

Deadline: Sept. 15
Award amount: $7,000-$25,000
The PEG COVID-19 Special Initiative provides short-term support for small-scale, stakeholder-driven partnerships. It will allow researchers and their partners to address urgent and specific needs, challenges or opportunities through collaborations. It will also provide a unique opportunity to foster a knowledge exchange on COVID-19 crisis related issues, challenges and impacts between postsecondary researchers and different sectors of society, including graduate students, postdoctoral researchers and other highly qualified

personnel.

Partnership Engage Grants

Deadlines: Sept. 15, Dec. 15
Award amount: $7,000 to $25,000
These grants provide short-term and timely support for partnered research activities that will inform decision-making at a single partner organization from the public, private or not-for-profit sector. The partnerships supported through these grants respond to immediate needs and time constraints facing organizations in non-academic sectors.

Insight Grants

Deadline: Oct. 1
Award amount: Stream A: $7,000 to $100,000; Stream B: $100,001 to $400,000
Insight Grants support research excellence in the social sciences and humanities. Funding is available to both emerging and established scholars for research initiatives. Stable support for long-term research initiatives is central to advancing knowledge. It enables scholars to address complex issues pertaining to individuals and societies, and to further our collective understanding. Insight Grant research initiatives may be undertaken by an individual researcher or a team of researchers working in collaboration.

NSERC

NSERC Research Tools and Instruments grants

Deadline: Oct. 25
Award value: $7,001-$150,000
Research Tools and Instruments (RTI) grants foster and enhance the discovery, innovation and training capability of university researchers in the natural sciences and engineering by supporting the purchase of research equipment and installations.

NSERC Discovery Grants

Deadline: NOI Aug 4 – NOI is open and available now on Research Portal;
Nov. 1 (external full application)
The Discovery Grants Program supports ongoing programs of research in the natural sciences and engineering with long-term goals. These grants recognize the creativity and innovation that are at the heart of all research NSERC.

Alliance Grants

Deadlines: ongoing
NSERC is pleased to announce the opening of the next phases of Alliance grants. Alliance grants are now open for Option 1 applications requesting over $20,000 annually from NSERC, and Option 2 applications requesting support for up to 90% or 100% of the costs of the project are now open.
Alliance grants encourage university researchers to collaborate with partner organizations, which can be from the private, public or not-for-profit sectors.
Please also see slide deck from NSERC Research and Innovation Development Officer, Pam Giberson's presentation at TRU. And an Alliance Grant application "Top Tips" document.

Government of Canada
MINDS COVID Challenge, DND/CAF

Deadline July 1
Award amount: $10,000
The COVID-19 Challenge provides non-recurring financial support to fund projects such as conferences, roundtables, workshops, research, and publications. Proposals should consider how COVID-19 mitigation measures will impact their project's feasibility and ways they can use virtual collaboration. Requests for funding will be assessed primarily on relevance to the COVID Challenge Questions, the use of Gender-Based Analysis Plus (GBA+), as well as innovation and the creative use technology.

COVID-19 Challenges – Real-time insights for pandemic decision-making

Deadline: June 23
Award amount: $200,000
Defence Research and Development Canada (DRDC) in collaboration with Canada's defence, security and public safety communities are looking for innovative epidemiological and healthcare solutions involving data gathering and data analytics technologies to support the early detection and community-based surveillance of outbreaks of contagious diseases. The goal is to provide actionable insights and to permit rapid decision-making with respect to the full emergency preparedness spectrum.

COVID-19 Challenges – Super sanitize: Cleaning sensitive equipment and workspaces

Deadline: June 23

Award amount: $200,000

Defence Research and Development Canada (DRDC) in collaboration with Canada's defence, security and public safety communities are looking for viable and effective processes and methods for safely and rapidly decontaminating enclosed work environments (e.g., buildings and modes of transportation) containing sensitive equipment.

[COVID- 19 Challenges - Scrubbing your scrubs: Finding way to re-use protective gear](#)

Deadline: June 23
Award amount: $200,000

Defence Research and Development Canada (DRDC) in collaboration with Canada's defence, security and public safety communities is looking for innovative material and design solutions, as well as rapid and effective decontamination strategies and solutions, for Personal Protective Equipment (PPE), operational clothing and equipment for personnel responding to events involving biological hazards.

Foundations

[Spencer Foundation: Research Grants on Education - Large](#)

Deadlines: Intent to Apply, June 18; full proposal, July 14
Award amount: $125,000 to $500,000

The Large Research Grants on Education Program supports education research projects that will contribute to the improvement of education, broadly conceived. This program is "field-initiated" in that proposal submissions are not in response to a specific request for a particular research topic, discipline, design, method, or location. The program's goal is to support rigorous, intellectually ambitious and technically sound research that is relevant to the most pressing questions and compelling opportunities in education.

[Spencer Foundation: Research Grants on Education – Small](#)

Deadlines: July 1 (second cycle)
Award amount: Up to $50,000

The Small Research Grants Program supports education research projects that will contribute to the improvement of education, broadly conceived. They accept applications three times per year. Like the "Large" program, proposal submissions do not have a specific topic.

[Max Bell Foundation: Project Grants and Development Grants](#)

Deadline: Ongoing
Award amount: $10,000-$200,000/ 1-3 years
Project Grants support clearly defined activities designed to achieve a specific objective that aligns with the Foundation's mission and criteria and that seek to support projects with a high likelihood of informing public policy and practice. Current program areas include: Health & Wellness; Education; the Environment.
Development Grants support organizations who wish to undertake short-term (typically 4 month) work that will better position them to succeed with larger projects (e.g., environmental scanning; background research; project planning; proposal development etc.). Development grants are described in more detail here.

Michael Smith Foundation for Health Research: Convening & Collaborating (C2), and Reach

NEW Deadline: Sept. 28
Award amount: Up to $15,000
C2 awards bring together researchers and research users to co-develop research aligned with BC's health system priorities. Reach awards bring together researchers and research users to support the dissemination of research evidence, within the context of related knowledge, and increase its potential impact. Together, teams co-develop events, activities, and/or tools, so they can share research findings and evidence with audiences who can directly use the knowledge.

Fellowships
NSERC E.W.R. Steacie Memorial Fellowships

Note: applicants must consult with Dean and the Research Office before beginning an application
E.W.R. Steacie Memorial Fellowships recognize early-stage academic researchers in the natural sciences and engineering and support them to enhance their research capacity, so that they can become leaders in their field and inspire others. NSERC awards up to six Steacie Fellowships each year. Steacie Fellowships honour the memory of Dr. Edgar William Richard Steacie

Horizon 2020 - Marie Skłodowska-Curie Actions - Individual Fellowships

Deadline: Sept. 9
Horizon 2020 Marie Skłodowska-Curie Actions (MSCA) - Individual Fellowships provide opportunities to researchers of any nationality to acquire and transfer

new knowledge and to work on research and innovation in Europe and beyond.

[OECD Co-operative Research Programme](#)

Deadline: Sept. 10
The main objective of the programme is to strengthen scientific knowledge and provide relevant scientific information and advice that will inform future policy decisions related to the sustainable use of natural resources in the areas of agriculture, food, fisheries and forests.

Knowledge mobilization

Presentations

Mohiuddin, Muhammad. Keynote: "Chaînes de production globales après la Covid-19: scénarios possible [Global Value Chain after COVID-19: Possible Scenarios]." Stephen A. Jarislowsky, organizer. Laval University, Quebec, Canada.

Published books, chapters & articles

Bok, J., **Brewster, R.**, Feder, T., Hell, P., & Jedličková, N. (2020). List homomorphism problems for signed graphs. Retrieved from https://arxiv.org/abs/2005.05547

Dezhban, A, Attarod, P., Amiri, G.Z., **Pypker, T.G.**, Nanko, K. (2020) The variability of stemflow in a natural beech stand (Fagus orientalis Lipsky) in relation to rainfall and tree traits. Ecohydrology 13: e2198.

Freimuth, Hilda. (2020). Are Academic English Words Learned Incidentally? A Canadian Case Study. *BC TEAL Journal*, *5*(1), 32-43. Retrieved from https://ojs-o.library.ubc.ca/index.php/BCTJ/article/view/344

Haverila, M., Haverila, K., & Twyford, J. C. (2020). Identification of key variables and constructs in the context of wine tasting room: Importance-performance analysis. International Journal of Wine Business,

Power, T., Wilson, D., Best, O., Brockie, T., **Bourque Bearskin, L.**, Millender, E., & Lowe, J. (2020). COVID-19 and indigenous peoples: An imperative for action. Journal of Clinical Nursing, doi:10.1111/jocn.15320

Safa, A., Hakimi, L. **Pypker**, **T.G.,** Khosropour, E. (2020) The effect of $ZnSO_4$ and KNO_3 on the quantitative and qualitative properties of Punica

granatum L. Journal of Plant Nutrition 9: 1289-1292.

Schmidt, D. A., Govindarajulu, P., **Larsen, K**. W., & Russello, M. A. (2020). Genotyping–in–Thousands by sequencing reveals marked population structure in western rattlesnakes to inform conservation status. Ecology and Evolution, doi:10.1002/ece3.6416