Research News

TRU Research Community,

This newsletter offers information about research funding, research news and events, and knowledge mobilization activities, and is designed to be inclusive and comprehensive. Though the staff of the Research Office are working remotely, we are working at full capacity. Should you require our services please connect with Alana Lemke, Administrative Assistant. We ask that you refrain from sending documents via interoffice mail at this time.

Danna Bach, Communications Research & Graduate Studies

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.

TRU hosts Interior University, Ministry of Health meeting

On April 14, the Research Office hosted a meeting that brought 58 faculty and research administrators from the Interior University Research Coalition member universities (TRU, UBCO, and UNBC) together with Dr. Nicolette McGuire, Director of Research and Innovation, BC Ministry of Health. This was a follow-up meeting to Dr. McGuire's on campus visit on March 13, and provided an opportunity to discuss regional health research opportunities, and to foster

collaborations related to COVID-19 research.

Research universities recognize unique responsibility to fight spread of pandemic

The presidents of member institutions of the Research Universities' Council of British Columbia, which includes TRU President Dr. Brett Fairbairn, recently penned an op-ed outlining how research capacity is being harnessed to help stop the spread of COVID-19, and to help communities cope with its effects.

Remote thesis defences are now open

TRU remote thesis defences are now open to public audiences. 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.

Congratulations to those who recently completed their defences:

Clayton Bradley, MSc Environmental Science, "Reducing the cumulative effects of timber harvest and livestock grazing using debris barriers."

Garret O'Connell, MSc Environmental Science, "Elucidation of the biochemical factors governing the enzymatic desulfonate of 6:2 fluorotelomer sulfonate."

Justin Mufford, MSc Environmental Science, "Use of unmanned aerial vehicles (UAVs) to study cattle heat stress."

Wei Mao, Master of Education, "What do parents and teachers value about play pedagogy in children's English as a second language acquisition?"

Aramide Taiwo, MSc Environmental Science, "Application of capillary electrophoresis for the determination of organoarsenicals in poultry farm waters."

Marriappan Vasudevan, Master of Business Administration, "Credit risk modelling: A comparative analysis of artificial and deep neural networks."

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. Katie Sykes** presents, **Law, Tech & COVID-19,** **May 13, 7 pm.** Dr. Sykes is working with a team of law students to build apps that help people navigate the rules for COVID-19 benefits, and she'll be available to discuss her research which explores how tech tools can empower people to understand and use their legal rights.
• **Dr. Lyn Baldwin** presents, **Learning through backyard botany, May 27, 7 pm**.
From the archive
• **Dr. Laura Doan**, Supporting early childhood educators in a crisis (premiered April 8)
• **Dr. Mateen Shaikh**, Interpreting COVID-19 data (premiered April 22)

Research News

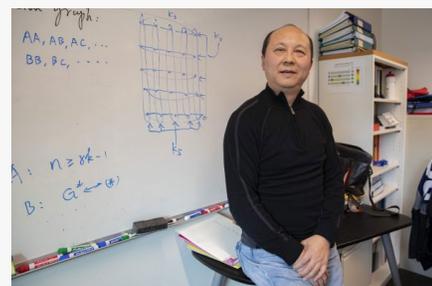## Indigenous nursing research chair a step toward authentic reconciliation

Dr. Lisa Bourque Bearskin has been awarded the CIHR Indigenous Nursing Research Chair, which brings with it an investment of $1.52 million over five years.

Read more

TRU launches Master of Science in Data Science

TRU is now accepting applications for students in a new Master of Science in Data Science program that starts in fall 2020.

Read more

TRU supports students to spend summer as researchers

Twenty-three exceptional undergraduates have been funded to spend the summer conducting independent research projects through TRU's prestigious UREAP program.

Read more

Researchers in the media

Brocklehurst badger not exactly garden variety When a Kamloops gardener found a badger tunnelling in her garden, local media reached out to Karl Larsen for insight into this endangered animal's appearance.

COVID-19 response: How's the government paying for it? Ehsan Latif offers his expertise on how quickly the economy might rebound after physical distancing measures are relaxed.

Mayor's economic recovery task force President Fairbairn, and Ehsan Latif are members of a municipal task force created to develop strategies for getting Kamloops "back on a positive economic trajectory."

Kamloops law professors join group reviewing BC's justice system in wake of pandemic TRU's Craig Jones and Katie Sykes are part of a provincial, cross-jurisdictional technical advisory group.

TRU professor explains how to read the COVID-19 curve Mateen Shaikh, who presented a Tap into Research virtual lecture on April 22, simplifies how to understand the data we are presented with during daily provincial COVID updates.

TRU initiative helps people navigate COVID-19 support programs Called COVAID, a team of TRU law students are working with Katie Sykes to develop an app that helps people find out what support is available, and whether they qualify for it.

TRU professor awarded $1.5-million national research chair position Lisa

Bourque Bearskin's research focuses on advancing Indigenous health nursing.

Be part of The Conversation

TRU is a member of The Conversation Canada, an independent news organization dedicated to bringing scholarly work to general readership. If you are interested in writing for The Conversation, contact Danna Bach.

Achievements

Congratulations to Nancy Southin, who is part of the research team that won the 2019 *Decision Sciences Journal of Innovative Education's* Best Teaching Brief Award for:

Snider, B., Southin, N., & Cole, R. (2019). Patio swings intermodal shipping competition: An Inquiry–Based partial information exercise. *Decision Sciences Journal of Innovative Education, 17*(2), 146-162.

Congratulations to Muhammad Mohiuddin, who was selected as an evaluator for the Samuel-De Champlain Program, through Fonds de recherché Nature et technologies. Dr. Mohiuddin has also been invited to join the evaluation team for SSHRC's Insight Development Grant applications for 2020.

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)

BC COVID-19 Strategic Research Advisor Committee (SRAC): The first iteration of the BC COVID-19 Strategic Research Framework: An Evolving Guide for Decision-makers and Researchers has been published. A key goal of the Framework is to prioritize high quality research that will help to control, mitigate and eliminate the harmful effects of COVID-19 related disease and their impact on the people of BC. As part of the roll out of the Framework, SRAC is seeking feedback on Issue 1 from the research community and others.

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.

CIHR

Fall Project Grant Update: Please read a message from CIHR President, Michael J. Strong, "Planning for the Fall Project Grant Competition."

CIHR seeking peer reviewers

In order to ensure a high-quality competition, CIHR is seeking experienced

reviewers to participate as peer reviewers for the Operating Grant: COVID-19 May 2020 Rapid Research Funding Opportunity. If you are interested, please send your CV to CIHR.

Banting Postdoctoral Fellowship

Competition launch, June 1; deadline Oct. 1
Award value: $70,000

The objective of the Fellowship 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
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

Partnership Engage Grants

Deadlines: June 15, 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. 15
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.

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.

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.

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.

Government of Canada Accessible Technology Program

Deadline: June 2
This program will co-fund innovative projects led by the private sector, not-for-profit organizations and research institutes to develop new assistive and adaptive digital devices and technologies in order to make it easier for Canadians with disabilities to more fully participate in the digital economy.

Horizon 2020 - Marie Skłodowska-Curie Actions - Individual Fellowships

Deadline: June 1
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.

Funding Opportunities (internal)

Research Training Recognition Fund

Deadline for fall release: May 15
New! Revised Application Form and Submission Process
The Research Training Recognition Fund reflects TRU's ongoing commitment

to student research training. Those regular faculty receiving or currently holding multi-year Tri-Agency research grants are eligible to receive a reallocation of workload (e.g., from 5 courses to 4 courses) to facilitate their direct involvement in the enhanced research training of undergraduate and graduate students.

Knowledge mobilization

Published books, chapters & articles

*Baethke, K. A., ***Ploughe, L. W.**, **Gardner, W. C**., & **Fraser, L. H**. (2020). Native seedling colonization on stockpiled mine soils is constrained by site conditions and competition with exotic species. *Minerals, 10*, 1-15.

Dominique, H., & **Courtney, M**. (2020). The role of stakeholders in shifting environmental practices of music festivals in British Columbia, Canada. *International Journal of Event and Festival Management, 11*(2), 181-202. doi:10.1108/IJEFM-07-2019-0037

Guswa, A. J., Tetzlaff, D., Selker, J. S., **Carlyle-Moses, D**., Boyer, E. W., Bruen, M., . . . Levia, D. F. (2020). Advancing ecohydrology in the 21st century: A convergence of opportunities. *Ecohydrology, n/a*, e2208. doi:10.1002/eco.2208

Hussain, I., Mu, S., **Mohiuddin, M.**, Danish, R. Q., & Sair, S. A. (2020). Effects of sustainable brand equity and marketing innovation on market performance in hospitality industry: Mediating effects of sustainable competitive advantage. *Sustainability, 12*, 1-19.

Latif, E. (2020). Health outcomes before, during and after the great recession in Canada: A longitudinal analysis. *Review of Economic Analysis, 12*, 59-72.

*Indicates student