

July Research News: Where is your research taking you?

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Celebrating research success

Congratulations to Insight Discovery Grant recipients

The Social Sciences and Humanities Research Council of Canada (SSHRC) has announced the 2016 successful [Insight Development Grant](#) awards, and TRU is pleased to confirm three researchers will share in nearly \$150,000 of federal funding.

- Dr. Richard Oppong — *Regional and National Courts and Africa's Economic Integration: A Study of the East African Community*
- Dr. Courtney Mason — *Contested Boundaries: Indigenous Peoples, Tourism and Protected Areas in Canada and New Zealand*
- Dr. Joel Wood — *Ontario's Emissions Permit Trading Policy — A Comprehensive Evaluation*

Congratulations to all who applied for these prestigious grants. Insight Development Grants support research in its initial stages, and the grants enable the development of new research questions. Funding is provided for short-term research development projects of up to two years. For more information about this, or future opportunities, please contact Research Grants Development Officers [Anita Sharma](#) or [Megan Prins](#).

Green Chemistry conference gives students taste of applied research



Matt Miller, the outgoing president of the Chemistry and Biochemistry Club, was part of a four-person team that drove TRU Sustainability's new electric vehicle to Portland, Oregon, in June to volunteer at the Green Chemistry and Engineering Conference hosted by the American Chemical Society Green Chemistry Institute. While there, students participated in a one-day workshop and were placed into teams and asked to solve a problem faced by the textile industry. Miller's team produced the winning solution to address water waste in the textile industry. [Read more...](#)

Undergraduate research showcased at national conference

Dylan Ziegler, a fourth-year biology student, presented his research poster, "An ace in the hole: Scanning electron microscopy reveals that stomata may play a role in explosive seed discharge," at the BC Regional Undergraduate Research Conference at the University of the Fraser Valley, and was awarded the Associate Vice President of Research, Engagement, and Graduate Studies Award. Ziegler, who is also an Undergraduate Research Ambassador, then exhibited his



poster at the Canadian Botanical Association Conference, held at the University of Victoria in May. The poster was a result of the research he conducted throughout the summer of 2015 as part of an NSERC Undergraduate Student Research Award. [Read more...](#)

Research News & Updates

SSHRC Accelerator Fund opens

Applications are now being accepted for the [SSHRC Accelerator Fund](#). This fund is designed to support SSHRC-eligible researchers in the development of successful applications for SSHRC funding competitions in the 2017-18 year. Funding of up to \$2,500 is available to support activities that will enhance grant proposals.

Updates to 2016 SSHRC competitions

There have been several updates made to 2016 SSHRC competitions, including a module for the applicant's self-identification as Aboriginal in the application form, thereby allowing SSHRC to track and assess participation and success rates for Indigenous doctoral and postdoctoral applicants. SSHRC has also embarked on two new Joint Initiatives as part of the Talent and Insight programs. For the Talent Program, SSHRC has partnered with the Centre for International Governance Innovation's International Law Research Program. For the Insight Program, SSHRC has partnered with the Defence Research and Development Canada. For more information about these and many other changes and updates, please visit the [Research and Graduate Studies website](#).

New international travel pre-authorization

TRU's Finance Department has developed a new, streamlined pre-authorization process for international travel, which includes a new [International Travel Pre-Authorization Request Form](#) to eliminate duplicate authorization requests for travel advance/expense claims for international travel, and satisfy the university's risk requirements/obligations through executive pre-authorization. Anyone planning to travel outside Canada as a TRU employee must have the new form signed by the president or appropriate vice-president in advance, or you will not be reimbursed for international travel expenses.

Tri-Agencies adopt Statement of Principles on Digital Data Management

Canada's three federal research granting agencies — the Canadian Institutes of Health Research (CIHR), the Natural Sciences and Engineering Research Council of Canada (NSERC), and the Social Sciences and Humanities Research Council of Canada (SSHRC) — have adopted the [Tri-Agency Statement of Principles on Digital Data Management](#) as an important step towards strengthening research data management in Canada and maintaining Canada's research

excellence. The statement outlines the agencies' overarching expectations for research data management and the roles of researchers, research institutions, research communities, and research funders in supporting data management.

In the News

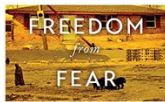
TRU prof participates in CIHR funding reform



Dr. Rod McCormick, BC Innovation Council Chair in Aboriginal Health, was one of 50 researchers invited to participate in the emergency meeting in Ottawa on July 13, designed to address concerns related to the grant application and peer review process of the Canadian Institutes of Health Research (CIHR). The meeting, which was called by Minister of Health Jane Philpott, was extremely fruitful, said McCormick, who, as co-chair of the Aboriginal Health Research Steering Committee, advocated for Indigenous researchers, as well as for researchers at small universities.

[Read more...](#)

Freedom from Fear: New book tackles human security in an insecure world



The authors of a new book on human security argue that security measures need to focus on the protection and empowerment of marginalized populations, rather than the state itself. "We have to think about how people are impacted, and only then can we start thinking of a new paradigm to help alleviate those stresses," said Dr. Robert Hanlon, co-author of [Freedom from Fear, Freedom from Want: An Introduction to Human Security](#). Hanlon, along with co-author Dr. Kenneth

Christie of Royal Roads University explain human security as a relatively new framework for understanding non-traditional security threats that arose following the Cold War.

- **Listen:** [TRU professor writes about global security, CBC Radio, July 15.](#)
- **Read:** [Faraway tragedies have real emotional impacts at home, CBC News, July 15](#)

TRU researcher develops partnership with White Buffalo Society

Dr. Courtney Mason, Canada Research Chair in Rural Livelihoods and Sustainable Communities, was interviewed by CBC Radio as part of its summer research series. Dr. Mason spoke of his partnership with the White Buffalo Aboriginal Health Society and Resource Centre and TRU's Adventure Tourism Program. The partnership facilitates the development of a land-based skills program for Indigenous youth.

- **Listen:** [TRU researcher developing partnership for Aboriginal youth, CBC Radio, July 10](#)

Research impacts immigrant women with postpartum depression

This summer, School of Nursing faculty member Joyce O'Mahony and her team of academic researchers, Interior Health collaborators and an undergraduate nursing student, are conducting an environmental scan of reproductive and mental health care services in the Interior



Health demographic area. While working in various acute care settings across BC, O'Mahony noticed a gap in equitable health care for immigrant and refugee women in Canada. [Read more...](#)

- [Listen: TRU researcher studying services for immigrant moms, CBC Radio, July 14](#)

Decoding the youth vote



Youth voter engagement is a longstanding conundrum, but thanks to a research grant from Elections BC, a trio of students will pass around surveys this summer, trying to gain some insight into why young people — those aged 18-30 — don't vote, as well as what motivates those who do. Once the surveys are complete, another group of students will analyze the results to develop a course of action designed to engage young people. [Read more...](#)

- [Listen: Terry Kading and student Brayden Wilson, Radio](#)

[NL, July 7](#)

Research Events

Post-award onboarding session

What: Ideal for all faculty who have received a research grant in the past year, this onboarding session will feature presentations about hiring students, purchasing, communications, ethics, and much more. Lunch is provided.

When: July 20, 2016, from noon to 3 p.m.

Where: International Building 1007

Hosted by: The Office of Research & Graduate Studies

RSVP: [Anita Sharma](#), 778-471-8439

Mobilizing Knowledge

Where is your research taking you?

While life on campus might seem quiet these days, TRU researchers are taking the opportunity to present their work at conferences around the world. Here are just a few examples of TRU research that is having an impact on a national and international level:

- **Dr. Sharon Brewer** presented an invited lecture, *Making the Case for Remote Instruments as (Almost) Open Educational Resources (aOER's) to Innovate the Chemistry Laboratory*, with **Dr. Bruno Cinel** as the co-author, at the Canadian Society for Chemistry annual meeting in Halifax, N.S. on June 9.
- **Dr. Bruno Cinel** presented *Creativity in Chemistry Curriculum* at the College Chemistry Canada annual meeting in Saskatoon, SK, on June 11.

- **Margaret Hall** delivered a paper, *Dementia, Advance Directives, "Heroic Measures"; and Physician Assisted Death: Autonomy, Identity, Person-hood and Equality* as part of a conference session during the Canadian Law and Society Association Conference at the University of Calgary, May 28-June 2. Hall was also a member of a panel on responding to the TRC calls to action in the torts classroom, at the Conference of the Canadian Association of Law Teachers, at the University of Calgary, May 30-31.
- **Dr. Wendy Hulko** was invited to give a guest lecture: *Culturally safe dementia research: Developing a research & education program with Elders*, at the Edinburgh Centre for Research on the Experience of Dementia (E-CRED), at the University of Edinburgh on July 5. She also presented *LGBT individuals and dementia: An intersectional approach*, at the British Society on Gerontology conference at the University of Stirling.
- **Dr. Laura Lamb** presented her paper, *Seniors, Household Debt and Financial Knowledge*, at the Annual Western Economic Association International Conference in Portland, Oregon from June 29 to July 3.
- **Dr. Cynthia Ross Friedman** gave the keynote, *The Little Bang Theory: Explosive Seed Discharge in Dwarf Mistletoe* at the International Union of Forest Research Organizations Meeting in Ashland, Oregon, from July 18-21.

Please share your summer research plans by emailing [Research Communications Officer Danna Bach](#).

Published articles, chapters and books

- **Bourque Bearskin, R. Lisa.**, Brenda L. Cameron, Malcolm King, Cora Weber-Pillwax, Madeleine Dion Stout, Evelyn Voyageur, Alice Reid, Lea Bill and Rose Martial. Mâdawoh Kamâtowin, "Coming together to help each other in wellness": Honouring Indigenous Nursing Knowledge. *International Journal of Indigenous Health*. 11.1. 2016. DOI: 10.18357/ijih111201615024
- **Fraser, L.H., H.W. Garris** and C.N. Carlyle. "[Predicting plant trait similarity along environmental gradients.](#)" *Plant Ecology*. 1-10. 2016. Web. DOI: 10.1007/s11258-016-0628-3
- Gilbert, Ashleigh Anne, and **L.H. Fraser**. "[Effects of Competition, Salinity and Disturbance on the Growth of Poa pratensis \(Kentucky Bluegrass\) and Puccinellia nuttalliana \(Nuttall's Alkaligrass\).](#)" *Sabkha Ecosystems Volume V: The Americas*. Eds. Ajmal M. Khan, Benno Boër, Münir Öztürk, Miguel Clüsener-Godt, Bilquees Gul and Siegmund-W Breckle. Springer International Publishing. 48. 2016. 349-367.
- Gkorezis, Panagiotis, **Jonathan Van Hamme**, Eric Bottos, Sofie Thijs, Maria Balseiro-Romero, Carmela Monterroso, Petra Suzan Kidd, Francois Rineau, Nele Weyens, Wouter Sillen, and Jaco Vangronsveld. "[Draft Genome Sequence of Bacillus licheniformis Strain GB2, a Hydrocarbon-Degrading and Plant Growth-Promoting Soil Bacterium.](#)" *Genome Announcements*. 4.4. 2016. Web.
- Hart, Michael A., **Silvia Straka**, and Gladys Rowe. "[Working Across Contexts: Practical Considerations of Doing Indigenist/Anti-Colonial Research.](#)" *Qualitative Inquiry*. 2016. Web. DOI: 10.1177/1077800416659084
- Jin, A., M. Brussoni, M.A. George, C.E. Lalonde, and **R. McCormick**. "[Risk of Hospitalization Due to Unintended Fall Injury in British Columbia, Canada, 1999-2008: Ecological Associations with Socioeconomic Status, Geographic Place, and Aboriginal Ethnicity.](#)" *Journal of Racial and Ethnic Health Disparities*. 3.10. 1-13 2016.
- **Ratsoy, Ginny R.** "[The Role of Faculty in Connecting Canadian Undergraduate Arts and Humanities Students to Scholarly Inquiries into Teaching: A Case for Purposeful Experiential Learning.](#)" *The Canadian Journal for the Scholarship of Teaching and*

Learning. 7.1. 2015. (Web).

- Sadeghi, Seyed Mohammad Moein, Pedram Attarod, John Toland Van Stan, and **Thomas Grant Pypker**. "[The importance of considering rainfall partitioning in afforestation initiatives in semiarid climates: A comparison of common planted tree species in Tehran, Iran.](#)" *Science of the Total Environment*. 2016. Web.
- Snider, Brent and **Nancy Southin**. "[Operations Course Icebreaker: Campus Club Cupcakes Exercise.](#)" *Decision Sciences Journal of Innovative Education*. 14.3 262-272. 2016. Web. DOI: 10.1111/dsji.12100
- **Tawhid, Mohamed, A.** and Ahmed F. Ali. "[Direct Search Firefly Algorithm for Solving Global Optimization Problems.](#)" *Applied Mathematics & Information Sciences*. 10.3. 841-860. 2016. Web.

Funding Updates & Opportunities

[Research Prospecting Guide](#): Featured opportunities

- [Insight Grants](#): Funding is available to both emerging and established scholars for long-term research initiatives of three to five years. SSHRC welcomes applications involving [Aboriginal research](#), as well as those involving [research-creation](#). The value of this award ranges from \$7,000 to \$400,000 over five years, and the deadline is **Oct. 15, 2016**. Results are announced in spring 2017.
- [NSERC Research Tools and Instruments Grants Program](#): The RTI Grants Program provides the primary avenue for university researchers in the natural sciences and engineering to obtain up to \$150,000 in support for research tools and instruments with a net cost of \$7,001 and \$250,000. TRU has a quota for two RTI applications. A peer-review process is used to pre-select the two applications for the national competition. Application deadline for pre-selection is Aug. 15. The full application deadline is Oct. 25.
- [SSHRC Partnership Development Grants](#): These proposals are expected to respond to the objectives of the [Insight](#) program or the [Connection](#) program, or a combination thereof. Partnership Development Grants (PDG) are intended for larger teams working in formal collaboration between postsecondary institutions and/or organizations of various types. The value of this award is between \$75,000 to \$200,000 over three years, and the deadline to apply is **Nov. 30, 2016**. Results are announced in March 2017.

Please submit all grants for review at least two weeks prior to the agency deadline. For more information contact Research Grants Development Officers Drs. [Megan Prins](#) or [Anita Sharma](#).

[CIHR Travel Awards](#)

Deadline: July 26, 2016

Funding: \$500 (minimum)

Through the Institute Community Support (ICS) Program, the Canadian Institute of Health Research (CIHR) is launching the ICS Travel Awards competition for students, postdoctoral fellows, new investigators and knowledge users to present their own research at national and international meetings and/or conferences. The total amount available for this opportunity is \$271,000.

[CIHR Knowledge Synthesis Grant: Strategy for Patient-Oriented Research, Primary and Integrated Health Care Innovations Network](#)

Deadline: July 26, 2016

Funding: Maximum of \$25,000 for one year, with matching funds from non-federal sources

of 1:1 (cash or in kind)

The objective of this funding opportunity is to support cross-jurisdictional teams of researchers and knowledge users to produce knowledge syntheses or scoping reviews relevant to the priorities of the Primary and Integrated Health Care Innovations (PIHCI) Network that will contribute to the use of synthesized evidence in decision-making and practice across multiple jurisdictions.

[National Centre for Responsible Gaming: Seed Grants](#)

Deadline: Aug. 1, 2016

Funding: Up to \$30,000 (USD)

The NCRG supports pilot/feasibility studies, secondary analyses of existing data, small research projects, development of research methodology and development of new research technology relating to the causes, prevention and treatment of gambling disorders. Projects must be complete within one year.

[Vancouver Foundation Health and Social Development, Test and Grow Grants](#)

Deadline: (Stage 1) Aug. 5, 2016

Funding: Test Grant, up to \$75,000/year up to three years; Grow Grant, up to \$50,000/year for up to three years

Proposals develop social innovations to create systemic changes that support and encourage the ability of adults, families and communities to create healthy, caring, safe and supportive environments for all members of the community. Test grants support teams with well-developed timelines of activities and budgets that reflect the project team's demonstrated knowledge of what is needed to have an impact on one of the broad outcomes associated with Vancouver Foundation's fields of interest. Grow Grants are longer-term grants to help project teams scale an existing and successful social innovation to new geographic areas, new levels of systems of institutions, or to embed the social innovation further within existing levels of systems or institutions.

[Ken Lepin Award for graduate students](#)

Deadline: Aug. 15, 2016

Funding: \$5,000

Five awards valued at \$5,000 each are available to students entering or continuing in TRU's graduate programs. These awards are available to financially assist students who are entering their first or second year of full-time graduate studies programs for those studying on campus or online. The awards will be given on the basis of outstanding academic achievement in course work and research, taking into account leadership activities.

[Office of the Privacy Commissioner: Pathways to Privacy series](#)

Deadline: Aug. 15, 2016

Funding: Up to \$50,000 (maximum)

The OPC is inviting academic institutions and not-for-profit organizations, including industry associations and trade associations, eligible under its [Contributions Program](#) to submit proposals to organize and host an event to be held between January 15 and March 31, 2017. The proposed event should put a strong emphasis on innovation, in terms of both format and themes. The content should prominently feature previously funded projects under the Contributions Program and address one or more of the OPC's privacy priorities: Economics of Personal Information, Government Surveillance, Reputation and Privacy, and Body as Information.

[Mitacs Elevate](#)

Deadline: Aug. 24, 2016

Funding: \$55,000 annually (plus \$7,500 per year in non-cash value training)

Applications are now being accepted for two-year postdoctoral funding. This award provides exclusive, customized professional development training, and establishes a long-term collaborative research project with a non-academic partner.

[CIHR Operating Grant: Challenge of Dementia in Indigenous Populations](#)

Deadline: Sept. 6, 2016

Funding: Maximum of \$100,000 annually for five years

This is a joint call from the CIHR, CIHR Institute of Neurosciences, Mental Health and Addiction, and the CIHR Institute of Aboriginal Peoples' Health as part of the CIHR Dementia Research Strategy. The aim of this funding opportunity is to build capacity among Indigenous and non-Indigenous scholars or students in the area of dementia research.

[CIHR New Investigatory Salary Award: Clinical Rehabilitation](#)

Deadline: Sept. 13, 2016

Funding: \$155,000 (maximum) over three years

This award provides recipients the opportunity to develop and demonstrate their independence in initiating and conducting research in the area of rehabilitation sciences through provision of a contribution to their salary. This award is designed to provide protected time for early-career clinical investigators, including allied health professionals, to undertake clinical or translational rehabilitation research. Applicants must be new investigators (0-60 months with a research appointment) and hold recognized training to practice as a health professional.

[NSERC: PromoScience](#)

Deadline: Sept. 15, 2016

Funding: \$15,000 to \$25,000 annually

This program offers financial support for organizations working with young Canadians to promote an understanding of science and engineering (including mathematics and technology). PromoScience supports hands-on learning experiences for young students and their science teachers. Grants may be used to cover improvements to program content or delivery, as well as for new programs and activities. Grants can also be used to cover operational costs such as salaries, travel, postage, materials and supplies, provided that they relate to the promotion of science and engineering.

[Fisheries and Oceans Canada \(DFO\) National Contaminants Advisory Group \(NCAG\) 2016 Call for Proposals](#)

Deadline: Sept. 30, 2016

Funding: \$75,000/year over two to three years; \$100,000/year over one year (maximum)

The NCAG provides scientific information and advice to DFO and other government departments on priority issues related to the biological effects of contaminants on aquatic organisms. One of the group's functions is to fund research on priority contaminants issues. DFO is seeking research proposals that will enhance the Department's scientific knowledge and support evidence-based decision-making on the biological effects of contaminants in four theme areas: aquaculture therapeutants; pesticides; oil and gas; contaminants and issues of emerging concern.

Deadlines

Bookmark the TRU Research [Funding Calendar](#) for up-to-date opportunities.

Health Related Opportunities:

[CIHR Knowledge Synthesis Grant](#): Agency deadline **July 26**

[CIHR Travel Awards](#): Agency deadline **July 26**

[CIHR Catalyst Grant: Analysis of CLSA Data](#): Registration deadline **Aug. 18**; full application deadline **Aug. 30**

[CIHR Operating Grant: Challenge of Dementia in Indigenous Populations](#): Internal deadline **Aug. 23**; agency deadline **Sept. 6**

[CIHR New Investigatory Salary Award: Clinical Rehabilitation](#): Internal deadline **Aug. 30**; agency deadline **Sept. 13**

[Public Health Agency of Canada — Healthy Living and Injury Surveillance for Chronic Disease Prevention Initiative](#): **Deadline ongoing**

[Public Health Agency of Canada — Multi-Sectoral Partnerships to Promote Healthy Living and Prevent Chronic Disease](#): **Deadline ongoing**

SSHRC:

[Connection Grants-Connecting for Canada's 150th](#): Agency deadline **Aug. 1**

[Knowledge Synthesis Grants](#): Internal deadline **Aug. 30**; agency deadline **Sept. 13**

[Insight Grant](#): Internal deadline **Oct. 1**; agency deadline **Oct. 15**

[Connection Grants](#): Agency deadline **Aug. 1**

[Partnership Development Grant](#): Internal deadline: **Nov. 15**; agency deadline **Nov. 30**

NSERC:

[Discovery Grant \(NOI\)](#): Agency deadline **Aug. 1**

[PromoScience](#): Internal deadline **Sept. 1**; agency deadline **Sept. 15**

[Research Tools and Instruments](#): Internal deadline **Aug. 15**; agency deadline **Oct. 25**

Other:

[National Centre for Responsible Gaming, Seed Grants](#): Agency deadline **Aug. 1**

[Vancouver Foundation Health and Social Development, Test and Grow Grants](#): Agency deadline **Aug. 5**

[Sloan Research Fellowship](#): Internal deadline **Sept. 1**; agency deadline **Sept. 15**

[DFO-NCAG Call for Proposals](#): Internal deadline **Sept. 15**; agency deadline **Sept. 30**

[Google Faculty Awards](#): Agency deadline **Sept. 30**

Get in touch

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