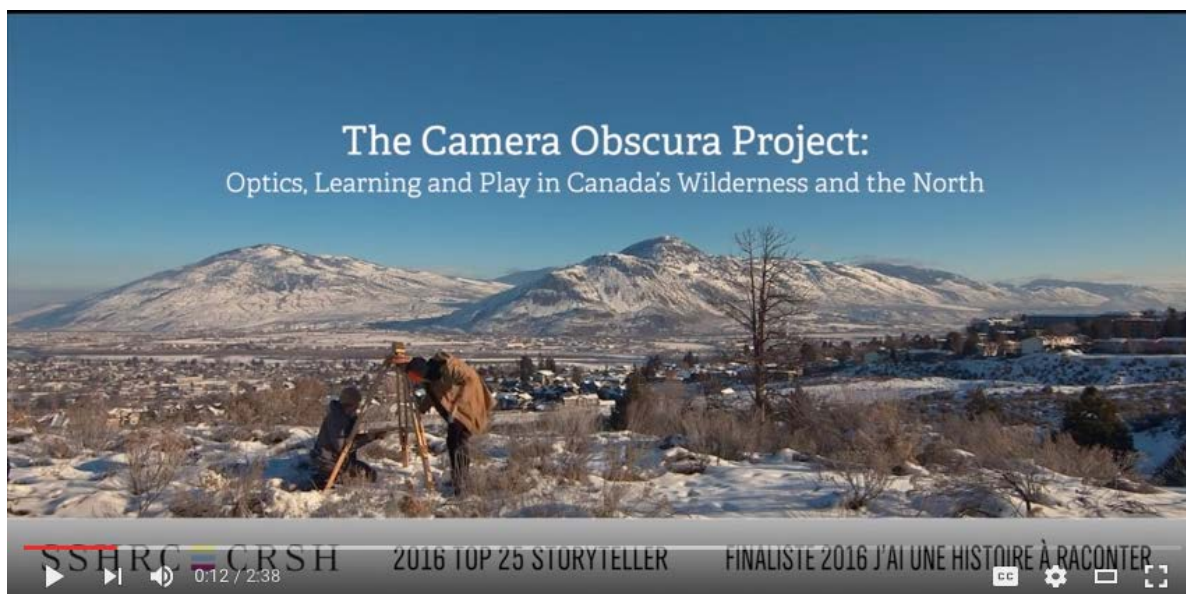


May Research News: Where is your research taking you?

[View this email in your browser](#)

Find past newsletters [HERE](#).

Celebrating Research Success



Congratulations to 2016 Discovery Grant holders

The National Sciences and Engineering Research Council has notified applicants of their successful Discovery Grant proposals, and TRU is pleased to confirm six researchers were successful, which is a huge achievement. A large, public announcement will take place later this spring, when NSERC officially announces the 2016 grant recipients. Research projects supported by Discovery Grants are:

- Xiaoping Shi, Mathematics: Changepoint detection — theory and applications
- Lauchlan Fraser, Natural Resource Sciences: A multi-scale approach to determine patterns and drivers of grassland plant diversity
- Kingsley Donkor, Chemistry: Environmental and food molecular markers: Characterization and binding mechanisms by separation methods

Research projects supported by a [Discovery Development Grant](#):

- Tom Pypker, Natural Resource Sciences: Assessing the impact of vegetation on hydrolic flow paths in managed semi-arid grasslands
- Mark Rakobowchuk, Biology: Exercise derived microvesicles: Understanding their role in progenitor and endothelial cell function
- John Church, BC Innovation Chair in Cattle Industry Sustainability: Precision Ranching: Development of Sustainable Landscapes and Cattle Management

Real Estate Foundation commits \$150,000 towards environmental leadership

The [Real Estate Foundation of BC](#) has granted \$150,000 to TRU in support of the creation of an NSERC Industrial Research Chair position. This is the second grant TRU has received in support of



the creation of the NSERC Research Chair position, the first being \$250,000 from Genome BC. Creating an NSERC research chair supports the development of industry-based solutions to environmental problems and puts us one step closer to the creation of a Centre for Ecosystem Reclamation at TRU, the first of its kind in Canada. Dr. Lauchlan Fraser is the candidate for the NSERC Industrial Research Chair.

TRU Research Story featured at SSHRC Congress

Ryland Fortie, a recent Bachelor of Arts graduate, and a research assistant with visual arts professor [Donald Lawrence](#), will present his research in the Storyteller's Showcase at the 2016 Congress of the Humanities and Social Sciences, scheduled for May 28 to June 3 at the University of Calgary. Fortie's video (as seen above), [The Camera Obscura Project: Optics, Learning and Play in Canada's Wilderness and the North](#), was selected from among nearly 200 entries by 30 expert judges in Canada and abroad. The Top 5 Storytellers will be selected at Congress, and will be flown to Ottawa to present their research at the SSHRC Impact Award Ceremony in November.

TRU well represented at Western Canadian 3MT



Jared Maida, MSc, did a great job delivering his presentation, "Dealing with Disturbance: How do Rattlesnakes Cope with Change," at the Western Canadian Three Minute Thesis competition, hosted by UBCO on April 29. Regional winners move forward to the national competition, which will be hosted virtually by the [Canadian Association of Graduate Studies](#).

2016 Western Canadian 3MT Winners

- 1st Place: Craig Jones, UBC, "The War Lawyers"
- 2nd Place: Oluwakemi Amodu, University of Alberta, "Obstetric Fistula Policy in Nigeria"
- 3rd Place: Dan Peach, Simon Fraser University, "Making Scents of Mixed Signals: Mosquitoes Utilize Similar Clues to Locate Vertebrates and Floral Nectar"
- People's Choice: Chantel Rodericks, Trinity Western University, "The Empty Cradle: Grieving a Miscarriage"

Research News & Updates

All My Relations Research Network



[All My Relations Research Network](#) exists with the goal of developing a national Aboriginal family and community health research and training centre to identify, research and further advance and implement best practices in Aboriginal family and community health and healing. The centre, directed by [Dr. Rod McCormick](#), BC Innovation Chair of Aboriginal Health, will be designed to deliver training for up to 250 community based mental health facilitators across Canada, serving as a long-term solution for the improvement of Aboriginal mental health outcomes.

- Read: [Health solutions for Attawapiskat must be long-term: experts](#) (Globe and Mail, April 17, 2016)
- Read: [Can short-term interventions help places like Attawapiskat?](#) (Macleans, April 17, 2016)
- Read: [What's behind the surge in suicide attempts among Canada's indigenous population?](#) (The Huffington Post, April 16, 2016)

2016 Rural Health Conference a success

The bi-annual [Rural Health Services Research Conference](#), held on campus April 25-26, was a huge success. More than 100 people participated the conference, titled, "Developing Intercultural Connections and practical Solutions for Improving Health," including health-care professionals, researchers, educators and community members. The strength of the conference was its focus on relationship building, and the bringing together of a range of participants with a common interest in improving health service delivery to rural areas. Keynote speakers included TRU's Dr. Rod McCormick and Dr. Diane Finegood, President and CEO of the Michael Smith Foundation for Health Research. Several TRU faculty members presented their research during the conference.

- [Read: PechaKucha tells research stories through slides](#)

SSHRC unveils 2016-20 Strategic Plan

Earlier this month, the Social Sciences and Humanities Research Council unveiled its new [Strategic Plan: Advancing Knowledge for Canada's Future](#). The plan articulates the agency's vision for the next four years, and has three strategic objectives:

- To enable excellence in a changing research landscape
- To create opportunities for research and training through collaborative initiatives
- To connect social sciences and humanities research with Canadians

CARA 2016 — a wealth of information

Held in Vancouver earlier this month, the Canadian Association of Research Administrators annual conference was attended by several members of the Research Office, and valuable information was exchanged. Specific information of value to TRU researchers includes:

The 2016 Federal Budget announces ongoing core funding increases:

- \$16 million for SSHRC;
- \$19 million for the Research Support Fund;
- \$30 million each for CIHR and NSERC;
- \$20 million to create two additional Canada Excellence Research Chairs in fields related to clean and sustainable technology

SSHRC Updates:

- Connection Grant holders are now considered eligible under Emerging Researchers for Insight Discovery Grants
- When communicating competition results, the "recommended but not funded," or 4A category has been eliminated, and all applications are collected in a single group, divided by relative rank into sextiles
- Insight Grant applicants will now select a specific adjudication committee from a drop-down menu
- Insight and Insight Development Grant committees will be mainly discipline-based but will include two multidisciplinary committees (humanities/social sciences) and an Aboriginal research committee

NSERC Updates

- It is expected the average grant amount and the success rates for Discovery Grants will increase
- Applicants are now limited to one Engage Grant per fiscal year; Engage Grants applications will now be peer-reviewed
- Canadian companies are now limited to two Engage Grants per fiscal year

CIHR Update

- Funding from the recent federal budget announcement (\$30 million) will be dedicated to the Project Scheme grant program

In the News

Nursing research looks to stop bullying before it starts



School of Nursing faculty [Michelle Seibel](#) and [Dr. Florriann Fehr](#) are using innovative techniques to prevent bullying at its roots, and have recently published an article, "[Cognitive Rehearsal Training for Upskilling Undergraduate Nursing Students Against bullying: A Qualitative Pilot Study](#)." The results of the research provide undergraduate nursing students with tools to address workplace bullying. Seibel and Fehr were supported in their research by an Internal Research Grant. [Read more...](#)

Nursing faculty on CFJC-TV Midday



[Dr. Lisa Bourque-Bearskin](#), Associate Professor in the Faculty of Nursing appeared on CFJC-TV Midday on May 10, where she was joined by third-year nursing student Brittany Katernick. Bourque-Bearskin, President of the Canadian Indigenous Nurses Association, spoke about Canadian Nursing Week, drawing specific attention to the 9,000 Indigenous nurses working across Canada in every capacity. Katernick, a Metis student and also a member of the CINA, spoke of her work on a project designed by the TRU School of Nursing and based on the Truth and Reconciliation Commission's Call to Action. "The project is important because it results in meaningful and impactful change on the campus around authentic Indigenous engagement." [Watch the whole interview.](#)

TRU prof discusses atheism research on CBC Daybreak



[Dr. Tina Block](#), associate professor in history, appeared on CBC Daybreak on May 16 to discuss her research project studying the history of unbelief in Canada. The project explores the experiences of Canadians who denied, doubted or drifted away from religious belief between 1950 and 1979. As part of the project, Block, along with two student research assistants, will spend the summer conducting oral interviews with Canadians born in 1960 or earlier, and who identified as unbelievers, athiests, agnostics, secular humanists or rationalists. [Full interview.](#)

Public health research designed to foster healthy schools



Dr. Susan Duncan, professor in the Faculty of Nursing, is working with a team of researchers from TRU, Interior Health and the Kamloops-Thompson School District to implement comprehensive school health initiatives. Supported by a grant from Interior Health, the research project, "Public Health Nursing and Comprehensive School Health," will see researchers work in district elementary schools — rural and urban — to develop Health School Teams, which will then assess the health of each school and establish unique health goals. "There has been a gap in

realizing the public health nurse's full scope of practice as partners with schools and communities to advance health promotion and ultimately chronic disease prevent," said Duncan. [Read the full story.](#)

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:

- Charis Kamphuis (Law), was invited to present her research, "Experiential Learning in Legal Education: The Justice & Corporate Accountability Project," and "Indigenous Dispossession in the Global Economy: Law's Promises & Pitfalls," at the University of Saskatchewan College of Law Student Seminar and Faculty Seminar in Saskatoon in March.
- Margaret Patten and Cindy Piwowar (Early Childhood Education), presented their poster, "I want to take risks and challenge myself," at the Association for Early Childhood international conference, in San Jose, Costa Rica in March.
- Ruby Dhand, (Law), was a keynote speaker at the Pacific Rim International Conference on Disability and Diversity, hosted by the University of Hawaii in April. Her keynote presentation was titled, "Are Disability Laws Really Working?"

The Duty to Accommodate and Disability Rights in Canada and the United States."

- Elizabeth Rennie (Library), Robin Arundel (student), Kathy Gaynor (Library), Chuck Harris (Library), Ginny Ratsoy (English), Kathy Watmough (Library), and Sara Wolfe (Student Services) presented their research, "Building Community at 2 am: Learning Engagement Throughout the Night," during the Learning Conference at UBCO in Kelowna on May 4.
- Ginny Ratsoy (English) presented her research, "Service Learning Across the Disciplines, in the Community — and on Campus," and along with student Robin Arundel, presented "Experiential Learning in the Humanities: Venturing Beyond Essays, Exams, and Oral Presentations," at the UBCO Learning Conference in Kelowna on May 5.

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

Published articles

- **Ali, Ahmed F.**, and **Mohamed A. Tawhid**. "A hybrid cuckoo search algorithm with Nelder Mead method for solving global optimization problems. *SpringerPlus*. 5:1 (2016). 1-22. <http://dx.doi.org/10.1186/s40064-016-2064-1>
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- Fondane, Benjamin. *Existential Monday: Philosophical Essays*. **Bruce Baugh, ed.** New York Review Books. New York. May, 2016.
- George, M.A., M. Brussoni, A. Jin, C.E. Lalonde, **R. McCormick**. "Ecological analyses of the associations between injury risk and socioeconomic status, geography and Aboriginal ethnicity in British Columbia. *SpringerPlus*. 5:1 2016. pp. 1-9. <http://dx.doi.org/10.1186/s40064-016-2262-x>
- **Gill, Avninder**, "Floundering in a deregulated market: an energy company seeks new strategies," *Journal of Business Strategy*. 37: 2, 2016. pp. 27 – 35. <http://dx.doi.org/10.1108/JBS-08-2014-0101>
- **Gu, Jianzhong**. "Using numerical procedures to quantify seismic reliability of wood shear walls and braced frames." *Advances in Structural Engineering*. 2016. DOI: 10.1177/1369433216642079. <http://ase.sagepub.com/content/early/2016/04/13/1369433216642079.abstract#corresp-1>
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- **Neudorf, Lorne**. "Rule by Regulation: Revitalizing Parliament's Supervisory Role in the Making of Subordinate Legislation." *Canadian Parliamentary Review*. 39:1 2016. <http://www.revparl.ca/english/index.asp>
- **Prema, Dipesh**, Jessica Jensen, Jessica L. Pilfold, Tyler D. Turner, **Kingsley K. Donkor**, **Bruno Cinel**, **John S. Church**. "Rapid determination of n-6 and n-3 fatty acid ratios in cereal grains and forages by ¹H NMR Spectroscopy." *Canadian Journal of Plant Science*. 2016. <http://dx.doi.org/10.1139/CJPS-2015-0302>
- Turner, Tyler D., Ivan Hartling, Jessica Jensen, Jessica L. Pilfold, **Dipesh Prema**, **Jonathan D. Van Hamme**, **Bruno Cinel**, **Kingsley K. Donkor**, **John S. Church**. "Fatty acid profile of British Columbia suckler beef." *Canadian Journal of Animal Science*. 2016. 91-94. <http://dx.doi.org/10.1139/cjas-2015-0123>

Funding Updates & Opportunities

[Research Prospecting Guide: Featured opportunities](#)

- [Discovery Grants](#): It's time to begin preparing your 2017 Discovery Applications, as a Notification of Intent to Apply must be submitted by Aug. 1, 2016. The NOI is mandatory, and the information provided in the document allows

NSERC to begin some aspects of the review process. The NOI and the NSERC version of the [Canadian Common CV](#) must be submitted using the [Research Portal](#). Please begin this process early, as it can be time-consuming to populate the fields the first time. If you wish to submit an application for a [Research Tools and Instruments](#) grant, please contact the [Research Office](#) related to the university's internal selection process, as this is quota based.

- [Collaborative Research and Development Grants](#): This NSERC opportunity is intended to give companies that operate from a Canadian base access to the unique knowledge, expertise and educational resources available at Canadian postsecondary institutions and to train students in essential technical skills required by industry. CRD grants support well-defined projects undertaken by university researchers and their private-sector partners. Direct project costs are shared by the industrial partner(s) and NSERC.
- [Connecting for Canada's 150th](#): This SSHRC initiative provides support for connection activities that exemplify the contributions of Canadian institutions and researchers in the social sciences and humanities, either to a discipline or to global fields of study. All applicants must demonstrate how their project addresses this historic anniversary.

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

Fort McMurray Wildfire: Call for proposals

The [Institute for Catastrophic Loss Reduction \(ICLR\) is now inviting proposals under its Quick Response Program](#), which allows early career social scientists to quickly deploy to a disaster-affected area in the aftermath of an extreme event to collect perishable data. In addition to expanding academic knowledge, funded researchers submit brief reports that make preliminary analyses of recent events available to ICLR's multidisciplinary network of researchers, practitioners, and educators as well as other interested parties.

[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.

[Operating Grant: SPOR \(Strategy for Patient-Oriented Research\) PIHCI \(Primary and Integrated Health Care Innovations\) Network – Knowledge Synthesis Grant](#)

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.

[Catalyst Grant: Analysis of CLSA Data \(Canadian Longitudinal Study in Aging\)](#)

Registration deadline: Aug. 18, 2016; application deadline Aug. 30, 2016

Funding: \$70,000 for one year

The objective of this funding opportunity is to catalyze and support research efforts of Canadian researchers to use the available CLSA data (alpha numeric data only) in order to better understand how the biological, medical, psychological, social, lifestyle and economic aspects of people's lives have an impact in both maintaining health and in the development of disease and disability as people age.

New Chapter: Canada Council for the Arts

Deadlines to apply: July 4 & Oct. 31, 2016

The [Canada Council for the Arts](#) is marking the 150th anniversary of confederation by creating a special program to support

the creation and sharing of exceptional artistic and literary works. It will result in inspiring works that interpret the world we live in and envision our shared future. These works will encourage public engagement in the arts and will promote outreach locally, nationally and internationally. You must apply for at least \$50,000 in eligible expenses. The maximum grant amount is \$150,000 for individuals and artist groups/collectives, and \$500,000 for organizations.

Mitacs Globalink Research Internship

June 16, 2016, 5 p.m.

[Globalink Research Internships](#) pair faculty in Canada with international undergraduates for 12-week research projects from May to September, and the program is now accepting faculty submissions for summer 2017. All disciplines are eligible to participate. Top-ranked students travel from Australia, Brazil, China, France, Germany, India, Mexico, Tunisia and Saudi Arabia to participate, and faculty are welcome to submit multiple projects and re-submit projects from previous years.

Sloan Research Fellows

Deadline to apply: Sept. 15, 2016

Funded by the Alfred P. Sloan Foundation, this opportunity provides \$55,000 for two years for "any activity supportive of the fellow's research, including equipment, technical assistance, professional travel or trainee support." Early career scientists in chemistry, computer science, economics, math, neuroscience, ocean sciences, physics, computational and evolutionary molecular biology and associated fields will be considered. Candidates must hold tenure track, with a PhD awarded on or after September 2010. Candidates must be nominated by their department head, or another senior researcher. To nominate and apply, please email research@tru.ca.

Deadlines

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

Health Related Opportunities:

[CIHR Collaborative Health Research Projects \(NSERC partnered\) LOI](#): Agency deadline **May 24**

[CIHR HIV/AIDS Community-based Research Program](#): Internal deadline **June 14**; agency deadline **June 28**

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

[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](#): Internal deadline **July 15**; agency deadline **Aug. 1**

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

[Connection Grants](#): Internal deadline July 15; agency deadline Aug. 1

[Partnership Development Grant](#): Internal deadline: Nov. 15; agency deadline Dec. 1

NSERC:

[Idea to Innovation Grants](#): Internal deadline June 30; agency deadline July 15

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

[Research Tools and Instruments](#): Internal deadline Oct. 13; agency deadline Oct. 25

Other:

[Full Application- Canada Foundation for Innovation](#): Agency deadline **June 15**

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

Get in touch Key contacts for research services

Dr. Will Garrett-Petts

AVP, Research and Graduate Studies

petts@tru.ca | 250.828.5410

Dr. Lincoln Smith

Director, Research Partnerships and Enterprise Creation

lsmith@tru.ca | 250.371.5973

Troy Fuller, Manager, Research Services

tfuller@tru.ca | 250.371.5569

Dr. Anita Sharma, Research Grants Development Officer

ansharma@tru.ca | 778.471.8439

Dr. Megan Prins, Research Grants Development Officer

mprins@tru.ca | 250-371-5962

Caroline Whitelaw, Administrative Assistant

cwhitelaw@tru.ca | 250.371.5586

Lori Cooper, Administration Support

lcooper@tru.ca | 250.371.5586

Debbie Krebs, Ethics & Compliance Officer

dkrebs@tru.ca | 250.852.7122

Sarah Carefoot, Research Finance Officer

scarefoot@tru.ca | 250.371.5626

Danna Bach, Communications Officer

dbach@tru.ca | 250.371.5676

www.tru.ca/research

Blog: research.inside.tru.ca

Twitter: [@TRUResearch](https://twitter.com/TRUResearch)

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