



Research Newsletter

Donald Lawrence named Artist of the Year

Professor Donald Lawrence was recognized for his contributions to Kamloops' artistic community during the 2018 Mayor's Gala of the Arts.

[Read more](#)



Steady research growth brings student opportunities

Nine exceptional students have been awarded NSERC Undergraduate Student Research Awards. **Adrian Batista, Kyle Booker, Christopher Kwiatkowski, Tanna Lauriente, Lavraj Lidher, Rachel Lobay, Madison Oud, Colton Stephens** and **Alexis Wilson** will spend the summer working with faculty researchers.

[Read more](#)

Faculty, students tackle community challenges

Natalie Clark, Rebecca Sanford, Edward Howe and **Terry Kading** are working to find solutions for challenges faced by local community groups and organizations.

[Read more](#)



Inclusivity in undergraduate



research: A TweetChat

When: Feb. 14 @ noon

Where: @TRUResearch

Hashtag: #TRUResearch

Join our community of experts in undergraduate research as we embark on our first ever TweetChat. We will dive into the topic of undergraduate research in advance of the upcoming international research symposia.

[Read more](#)

TRU hosts international conference on optimization & data science

Deadline to register: Feb. 15

Conference date: March 9 - 10

This conference features the latest research in theory, algorithms and applications in optimization and data science. Focus will be on innovative ways to solve problems, in particular, interdisciplinary research with healthcare, food science, mining operation, communication, transportation and other areas of social sciences and engineering.



Merit Awards — Nominations Due

Deadline: Feb. 17, 2018

If you know a faculty researcher who is deserving of acknowledgement, please consider nominating them for one of several Merit Awards. Nominations are now being accepted for:

- Award for Excellence in Scholarship
- Master Scholar Award
- Undergraduate Research Mentor Award
- Graduate Research Mentor Award

Please submit all applications to research@tru.ca.

180second

RESEARCH CHALLENGE

180(s) Research Challenge is back!

Competition date: March 20

Each year graduate students take

centre stage in the internationally renowned Three Minute Thesis (3MT) competition. Now, for the second year in a row, TRU faculty get in on the experience in the 180(s) Research Challenge (180sRC). The goal is identical: Deliver a compelling presentation of your research to a non-specialist audience — in 180 seconds or less — using only a single static slide. The event, coordinated by TRU's Faculty Research Mentors, is intended to be fun, but there are also some serious prizes up for grabs. [Register now!](#)

REGISTER NOW: Three Minute Thesis (3MT)

Registration deadline: Feb. 28

Competition date: March 20

Earn \$1,000 in three minutes! Are you up to the challenge? The

Three Minute Thesis is an

internationally renowned communication competition open to graduate students in their second year of study. The goal is to communicate the significance of your research in 3 minutes or less to a panel of non-specialist judges. First place winner gets \$1,000 and moves on to the Western Canadian 3MT, Second Place receives \$500, and People's Choice receives \$250.



TRU Graduate Studies
presents

2018 **3 Minute Thesis** Competition

Register now
tru.ca/3MT

March 20th

- 1 Slide, 3 Minutes
- \$1,750 in prize money.

3MT THREE MINUTE THESIS
FOUNDED BY THE UNIVERSITY OF QUEENSLAND

Graduate Research Symposium: Register to present!

Deadline to register to present: Feb. 28

Event date: March 22, 9 am - 3:30 pm

This symposium is designed to develop interdisciplinary collaborations within TRU's graduate programs and promote a vibrant graduate school culture. We're happy to also welcome graduate students from UBCO and UNBC to campus for this event!

Events

Are vertebrates faring well in Canada?

What: Environmental Science Seminar Series

When: Feb. 15, 4 - 5 pm

Where: S 203

Join Jessica Currie from WWF-Canada who presents on the Living Planet Report Canada.

[Read more](#)

Fireside Chat with Hummingbird Drones



When: Feb. 15, 5 - 7 pm

Where: TRUSU Boardroom, CAC

Presented by The Generator

Join Hummingbird Drones' founder Robert Atwood as he discusses some of the legal issues experienced during the company's first years as a startup.

[Read more](#)

Symposium: High Impacts in Undergraduate Research

When: Feb. 19 - 21

Where: Panorama Room, IB

This symposium brings together leading researchers in the field of undergraduate research with the aim of creating inclusive access.

[Read more](#)

Our journey in vet medicine

What: Science Seminar Series

When: March 1, 1 - 2 pm

Where: S 208

TRU alumni Dr. Rebeccah Stewart and Dr. Tara MacKay present, *Our Perspective on a Career in Veterinary Medicine*. Learn more about the vet school application process and how TRU's Animal Health Technology program can prepare you for vet school.

[Read more](#)

Masters of Science Showcase

When: March 1, 4 - 5 pm

Where: S 203

Through four-minute presentations, learn more about the research being conducted by Master of Environment students. There is an opportunity for questions following the presentations.

[Read more](#)

Humanitarian Politics

What: Arts Colloquium Series

When: March 1, 4:30 - 5:30 pm

Where: TRUSU Lecture Hall, CAC

Sociology faculty member Alejandro Campos-Garcia presents, "Humanitarian Politics and the Problematization of Unfriendly Relations between Races, Civilizations and Nations."

[Read more](#)

Chemistry in the cannabis sector

What: Science Seminar Series

When: March 8, 1 - 2 pm

Where: S 373

Valens Agritech president Rob O'Brien presents this discussion about the role of analytical chemistry in the evolving cannabis sector.

[Read more](#)

Permafrost microbial communities

What: Environmental Science Series

When: March 8, 4 - 5 pm

Where: S 203

Join alumnus Dr. Eric Bottos, as he presents *Resolving ecological controls on permafrost microbial communities and responses to thaw*.

[Read more](#)

Student opportunities

Apply now for UREAP

Deadline: Feb. 28, 2018, 4 pm

Value: \$4,500

The Undergraduate Research Experience Award Program (UREAP) can help you start your own original research project. It is a way to improve your resume, increase your academic and professional success, and make your time at university more interesting and rewarding. Projects funded by UREAP may also be eligible for an additional operating grant of up to \$1,000 to cover expenses. Application support will be available beginning in February in the Undergraduate Research Commons, OM 1522.

Undergraduate Research Ambassador program opens

Deadline: March 16

Value: \$3,000 (14 awards available)

The Research Ambassador program is open to students who have at least 60 completed credits, a GPA of 3.2 or higher, and have engaged in or are currently engaged in research

or creative activities under the guidance of a TRU faculty member. Ambassadors will work with the Research Office on a range of projects related to undergraduate research.

Graduate Research Mentor Fellowship opens

Deadline: March 16, 2018

Value: \$7,000

The mentorship program is open to graduate students who are engaged in research and who wish to serve as mentors for undergraduate research, scholarship and creative enquiry. Mentors will volunteer with the Research Office on a variety of projects.

Tri-agency news

NSERC Connect Grants:

Effective Feb. 1, 2018, NSERC Connect grants have been revised to combine Levels 2 and 3 and to broaden the scope of eligible activities. **Connect 1** remains the same and covers up to \$5,000 in travel costs for a researcher to visit a potential industrial partner (in Canada) to explore a research relationship (e.g. Engage grant). **Connect 2 and 3** have been merged into a **New Connect 2** of up to \$25,000, which encompasses the previous scopes and more. The **New Connect 2** includes sponsoring networking events (former Connect 2), through workshops to plan major grant applications (former Connect 3), and has been expanded to include supporting the goals of [NSERC 2020](#); including, for example, Women in Science events. **Evaluations of Connect 2's divide at \$10,000.** Events below \$10,000 require 4 weeks notice and are adjudicated at the Regional Office level, while grants over \$10,000 require 12 weeks notice and are adjudicated by a National Committee.

Funding Opportunities (external)

For information about upcoming external funding opportunities, visit the [Funding Calendar](#)

** Note: Internal deadlines are two-weeks prior to the listed, agency deadline*

CIHR Project Grant

Deadline: Feb. 19, 2018 (internal); March 6, 2018 (external)

Value: varies

The [Project Grant program](#) is designed to capture ideas with the greatest potential for important advances in fundamental or applied health-related knowledge, the health care system, and/or health outcomes, by supporting projects with a specific purpose and a defined endpoint. The best ideas may stem from new, incremental, innovative, and/or high-risk lines of inquiry or knowledge translation approaches.

GENDER-NET Plus ERA-NET Co-fund – Promoting gender equality

Pre-proposal deadline: March 1; internal deadline: Feb. 19

Value: \$100,000 per year for up to three years

NSERC is participating in a joint co-funded call for proposals with Europe as part of GENDER-NET Plus. GENDER-NET Plus brings together a consortium of 16 partners from 13 different countries, and provides opportunity to fund research projects that will promote the integration of sex and gender analysis into research at an international level.

CIHR Operating Grant: SPOR PIHCI Network - Knowledge Synthesis Grants

Deadline: Feb. 20, 2018 (internal); March 6, 2018 (external)

Value: Up to \$25,000; five awards available

This grant support knowledge syntheses and scoping reviews, which are the cornerstone of knowledge translation. This funding opportunity will support cross-jurisdictional projects that respond to one or more of the [network priorities](#), which were determined in consultation with the PIHCI member networks and their stakeholders.

CIRA Community Investment Program

Deadline: Feb 28 (external); Feb 14 (internal)

Value: \$25,000 - \$50,000, to a maximum of \$100,000

This program assists charities, nonprofits and academics to undertake innovative projects that support the development and/or enhancement of the Internet for the benefit of all Canadians. CIRA will be investing \$1,000,000 back into the community.

Mohamed bin Zayed Species Conservation Fund

Deadlines: Last day of February, June & December

Value: Up to \$25,000 per project.

This fund is a significant philanthropic endowment established to: provide targeted grants to individual species conservation initiatives; recognize leaders in the field of species conservation; and, elevate the importance of species in the broader conservation debate.

BC Music Fund research grants

Deadline: Applications evaluated rolling basis, ending March 31.

This program is designed to grow knowledge and improve sector data for the long-term sustainability of BC's music industry. Projects must demonstrate a collective benefit to BC's music industry.

SSHRC Partnership Engage Grants

Agency deadlines: March 15, June 15, Sept. 15, Dec. 15 (internal deadlines two weeks prior)

Value: \$7,000- \$25,000

These grants respond to the objectives of the [Insight the Connection](#) programs, and provide short-term support for partnered research activities that will inform decision-making at a single partner organization from the public, private or not-for-profit sector. These partnerships are meant to respond to immediate needs and time constraints facing organizations in non-academic sectors. SSHRC welcomes applications involving [Aboriginal research](#), as well as those involving [research-creation](#).

SSHRC Knowledge Synthesis Grants

Deadline: March 28 (external); March 14 (internal)

Value: \$30,000

SSHRC, and the Economic and Social Research Council (ESRC) in the United Kingdom, have launched this dedicated Knowledge Synthesis Grants (KSG) competition to assess the state of research knowledge on Canada-UK trade relationships, in a post-Brexit context. This dedicated KSG competition aims to foster international collaboration and support the synthesis of existing knowledge capable of identifying research strengths and gaps and contribute evidence for policy.

NSERC Synergy Awards for Innovation

Deadline: April 16 (external); March 19 (internal)

Value: \$200,000

The awards recognize university-industry research and development (R&D) partnerships in the natural sciences and engineering. Nominations can be made in one of three categories: Small and medium-sized companies, large companies, and two or more companies.

SSHRC Connection Grants

Value: \$7,000- \$25,000 for events and up to \$50,000 for outreach activities

Agency deadlines: May 1, Aug. 1, Nov. 1 (internal deadlines two weeks prior)

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](#).

Canada Council for the Arts: Explore and Create

Deadline: Continuous

Award value: \$25,000 per year for up to two years

The Research and Creation component of Explore and Create supports the initial stages of the creative process. Grants provide support for creative research, creation and project development.

Mitacs Accelerate

Deadline: Continuous

Value: \$15,000

Full-time graduate students are eligible for this award that provides an opportunity to apply their skills in a non-academic environment, and to broaden their professional network.

Gordon and Betty Moore Foundation – Grants for Science and Environmental Conservation

Deadline: Continuous

Value: \$500,000 USD

Key initiatives include marine microbiology, earthquake early warnings, particle accelerators, and more. The Environmental Conservation program seeks to balance long-term conservation with sustainable use through protecting critical ecosystems, establishing models for collaboration that can be replicated and expanded around the globe, and creating lasting change in how land, freshwater and coastal marine ecosystems are managed.

Misk Grand Challenges: Activating Global Citizenship

Deadline: April 18, 2018 (internal); May 2, 2018 (external)

Value: >\$100,000

The Misk Grand Challenges are seeking proposals for different models to engage and empower youth (under 30 years old) in the SDGs– what works and why. This funding is looking to engage and build a generation of global citizens as “someone who is aware of, and understands, the wider world – and their place in it”.

Funding Opportunities (internal)

Community-Driven Research Fund

Deadline: Continuous intake until October 2019, up to 10 awards available

Value: \$2,500. Matching Contributions of up to \$2,500 in cash and/or in-kind support is required from the community organization

Funds are still available through the Community-Driven Research Fund, which is designed to support research that responds directly to community needs, builds research

partnerships with community organizations in the Thompson Nicola Cariboo region, provides opportunities for students to become involved in community-based research, and helps faculty and their community partners become more competitive for external funding.

Knowledge Mobilization

Published books & articles

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Prpić, John and Jan Kietzmann. "Crowd Science 2018: The Promise of IT-Mediated Crowds". *Hawaii International Conference on System Sciences*, vol. 51, no. 978-0-9981331-1-9, 2018, pp. 4085-4093.

McLaughlin, Jeff. *The Originals: Classic Readings in Western Philosophy*. Victoria, BC, *Pressbooks.com: Simple Book Production*, 2017.

Sánchez-López, Ariadna S; Isabel Pintelon; Vincent Stevens; Valeria Imperato; Jean-Pierre Timmermans; Carmen González-Chávez, Rogelio Carrillo-González; **Jonathan Van Hamme**; Jaco Vangronsveld and Sofie Thijs. "[Seed Endophyte Microbiome of *Crotalaria pumila* Unpeeled: Identification of Plant-Beneficial Methylobacteria.](#)" *International Journal of Molecular Sciences*, vol. 19(1), no. 1442_0067, 19 Jan. 2018, pp. 291.

Seibel, L. Michell and **Florian Carissa Fehr**. "They can crush you": Nursing students' experiences of bullying and the role of faculty." *Journal of Nursing Education and Practice*, vol. 8, no. 1925-4059, 10 Jan. 2018, pp.

*Indicates student author



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