



Research Week

From workshops, to public lectures the schedule for the **Research Week (March 19 - 24)** has never been so robust. Make a point of joining us at one, two, or all of these events. As always, highlights include the annual **Three Minute Thesis (3MT)** competition, which is followed by the **180-second Faculty Research Challenge**, and now, for the first time ever, our undergraduates are getting in on the fun with, **In a Nutshell**. Whether you're brave enough to present, or you're kind enough to cheer from the audience, please participate, and show your support for your colleagues and your students!



REGISTER NOW: 180(s) Research Challenge

Deadline to register: March 12, 4 pm

Competition date: March 20, 1 - 2 pm

Where: Panorama Room, IB

TRU faculty go head to head in this fun, 180-second research communication competition.

[Read more](#)

NEW! In a Nutshell: Undergraduate Research Challenge

When: March 20, 5 - 6 pm

Where: Alpine Room, CAC

For the first time ever, undergraduate students get a



chance to compete in their own, three-minute research communication competition. Faculty are asked to encourage their students to participate in this opportunity, and to come out and show their support.

[Read more](#)

You're invited: Research & Graduate Studies Town Hall

When: March 21, Noon - 3 pm

Where: Mountain Room, CAC

Join us for lunch to learn the results of the Strategic Consultation on Research & Graduate Studies, and add your voice to the conversation. This event will also be Livestreamed, with questions moderated.

[Read more](#)

Creating research connections

NEW! Join the Expert's List

The Office of Research and Graduate Studies, in collaboration with TRU Marketing and Communication, are thrilled to announce a new, searchable Expert's List, which will be launched during [Research Week](#). To complete the launch, however, we require our TRU researchers to register. Please complete [this web form](#) to be added to the directory. Once you've gone through the process, please [share your feedback](#). This feedback will be used to improve the process moving forward. A [workshop](#) has been scheduled for faculty on **March 19, from 10 - 11 am**, designed to provide media training, and outline several opportunities for knowledge mobilization. A professional photographer will be on hand during the workshop for those who would like a new photo.

Publishing with The Conversation, a webinar

When: March 28, 9 - 10 am

Webinar registration

The Conversation Canada is a new digital publication that brings together the expertise of academia and journalism, where all of the authors are from Canadian universities. The Conversation works with professional journalists to expose academic research to a wider

audience. Editor Scott White will explain the model and give a live demonstration of how academic authors get access to detailed publishing analytics. Faculty will learn how this new journalism model works as a knowledge mobilization tool, how to share their expertise in Canada and beyond, and how to benefit from detailed publishing analytics.

Celebrating Donald Lawrence

When: March 14, 4:30 - 6 pm

Where: Mountain Room, CAC

Professor Donald Lawrence was recently named Artist of the Year at the annual Mayor's Gala for the Arts. Please join Christine Bovis-Crossen, Provost and VP Academic, to celebrate and recognize the contributions that Lawrence has made to the arts and the artistic community of Kamloops. **Please RSVP by Monday, March 12.**

Research in the News

High Impacts enriched by student participation

During reading week, TRU played host to experts from across North America — and Australia — who were on campus determined to identify ways to promote equity in undergraduate research. The three-day symposium, *High Impacts in Undergraduate Research*, was made richer with the inclusion of six students from Bridgewater State University, in Bridgewater Massachusetts, and eight students from TRU, who all shared their unique experiences as undergraduate researchers.



[Read more](#)



Funding boosts 21 new research projects

Congratulations to the 21 researchers who were awarded Internal Research Fund grants, including:

Catherine Ortner, Monica Sanchez-Flores, Rebecca Sanford, Christopher Hunt, Sarah Marsden, Samuel Singer, Mohamed Tawhid, Dipesh Prema, Naowarat Cheeptham, Piper Jackson, Thomas Pypker, Kingsley Donkor, Jonathan Van Hamme, Karl Larsen, Joyce

O'Mahony, Judy Duchscher, Lisa Bourque-Bearskin, Matti Haverila, Ehsan Latif, Farimah Hakem Zadeh, and Warveni Jap.

[Read more](#)

Improving access to healthcare for refugee women

Dr. Joyce O'Mahony's research, supported by a grant from the Michael Smith Foundation for Health Research, intends to reduce isolation and increase support for refugee women, creating better access to health care.

[Read more](#)



International conference aims to tackle big data

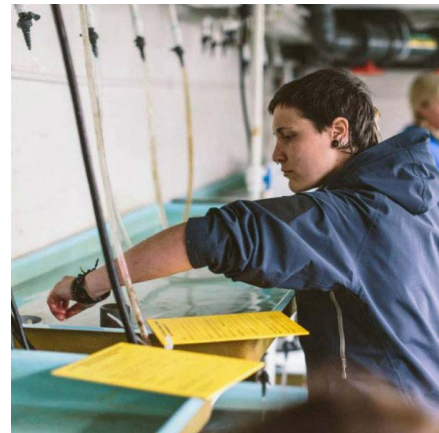
From health care to public safety, economics to education, every field is touched by the analysis of big data, which was the focus of this two-day conference, organized by **Dr. Roger Yu**.

[Read more](#)

Barnacle research snags top spot

First and second year Master of Science in Environmental Science students were in the spotlight during the annual showcase last week. **Shannon Mendt**, who presented "Shell's kitchen: Energy and stress tolerance in intertidal invertebrates," took top spot in the oral presentations, while **Jordann Foster** took the honours for her poster, "The effects of spotted knapweed on grassland arthropods: Genomic barcoding tools for ecosystem reclamation."

[Read more](#)



A place for all voices in research

Now in its third year, the Knowledge Makers program is an effort to encourage more Indigenous students to participate in research. Student researchers spent two days together during reading break developing e-portfolios, and working toward research articles that will be published, following



peer review, in the *Knowledge Makers Journal*.

[Read more](#)

Student opportunities

Undergraduate Research Ambassador program

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

Deadline: March 16

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.

Dr. Sherman Jen Graduate Award

Deadline: April 1

Value: \$6,000

These awards are available to students who are entering their first year of a full-time on campus graduate program. The awards will be given based on outstanding academic achievement in course work and research, and will take into account leadership activities. Eight awards are available to students entering TRU's Science and Education graduate programs.

Tri-agency news

Budget makes investment in Canada's research future

[From Universities Canada] Budget 2018 marks the biggest investment in science and university research in Canadian history. With a focus on investing in people and ideas for a stronger, more prosperous Canada, the budget will increase diversity in science and help develop Canada's next generation of research leaders.

[Read the complete response from Universities Canada](#)

NSERC's response to 2018 Federal Budget

With its recently released budget, the Federal Government is making significant investments in science and research. The Budget has directed "a reduction in the total number of business innovation programs by up to two-thirds." As a result, NSERC will modernize, simplify and improve its partnership programs. While this consultation and modernization takes place, NSERC Research Partnerships will continue to administer and fulfill current awards, and to offer its partnership programs.

[Read NSERC's official statement](#)

Research funding workshops

Vancouver Foundation grant information workshop

vanouver
foundation

When: March 13, 10:30 am - Noon

Where: TRUSU Boardroom, CAC

Representatives from the Vancouver Foundation will be on hand to answer questions about their programs, and about the adjudication process.

[Read more](#)

You got the grant, now what?

When: March 19, 12:30 - 2:30 pm

Where: Old Main, 2761

This session will walk through post-grant release of funds, research ethics, finance, procurement and human resources, and is designed for faculty who have recently been awarded research funding.

[Read more](#)

Tri-agency funding opportunities: At a glance

When: March 21, 10 -11 am

Where: AE 204

Led by Anita Sharma, Research Grants Development Officer, faculty are encouraged to attend an informative overview of the key funding programs of the three federal granting agencies.

[Read more](#)

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*

SSHRC Knowledge Synthesis Grants

Deadline: March 28

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.

SSHRC Partnership Engage Grants

Deadlines: March 15, June 15, Sept. 15, Dec. 15

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](#).

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.

NSERC Strategic Partnership Grants for Networks (SPG-N)- Preliminary Applications

Deadline: April 1

Value: Up to \$5.5 million

SPG–N fund large-scale, multidisciplinary research projects in targeted research areas that require a network approach and that involve collaboration between academic researchers and Canadian-based organizations. NSERC has two application categories—A and B. For the 2018 competition the preliminary applications must address one or more of the Strategic Partnership Grants target areas (Advanced Manufacturing, Environment and Agriculture, Information and Communication Technologies or Natural Resources and Energy). Applications are encouraged in clean technologies across all four target areas and with a focus on the impacts of climate change; including climate change mitigation and adaptation (if appropriate).

NSERC Synergy Awards for Innovation

Deadline: April 16

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.

MSFHR Implementation Science Team competition

Agency deadline, April 16. Full applications due Jan, 2019

The new MSFHR Implementation Science Team Program supports teams of BC researchers, research users and senior decision-makers studying what interventions work within the health system and why, and how these interventions can be implemented, adapted to other settings, or scaled-up across regions.

CIHR Strategy for Patient-Oriented Research National Data Platform

Registration deadline: April 17;

Full application: June 19

Value: Up to \$39 million for seven years

This supports one SPOR National Data Platform; therefore the community is strongly encouraged to work together. This Data Platform will:

- address major barriers and inefficiencies in accessing or using multi-jurisdictional/national data for patient-oriented research that cannot be addressed by the individual provincial and territorial (P/T) SUPPORT Units;
- leverage unique Canadian assets enabling international leadership in patient-oriented research;
- be pan-Canadian in scope.

It is a mandatory requirement for teams to reach out to the [SPOR SUPPORT Units](#), [SPOR Networks](#) and SPOR iCT grantees (applicants are encouraged to contact the SPOR team at CIHR: SPOR-SRAP@cihr-irsc.gc.ca for the SPOR iCT Initiative grant recipient contact list) during the application process to determine the data needs and the expertise that exists within these entities. The knowledge gained must inform the application.

Misk Grand Challenges: Activating Global Citizenship

Deadline: May 2, 2018

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”.

CIHR Network Environments for Indigenous Health Research

Registration deadline: April 26

Full application: June 5

Value: Up to \$75,000 per year for up to 1 year

The Network Environments for Indigenous Health Research builds on previous efforts of the Network Environments for Aboriginal Health Research and the Indigenous Mentorship Network Program by establishing a solid foundation for Indigenous health research driven by Indigenous (i.e., First Nations, Inuit and Metis) communities in Canada. NEIHR will take a broader and more sophisticated approach to Indigenous health research and capacity building not just by focusing on individuals, but also by concentrating on Indigenous communities and social structures.

Spencer Foundation Small Research Grants

Deadline: May 1

Value: Up to \$50,000

In keeping with the Spencer Foundation’s mission, this program aims to fund academic work that will contribute to the improvement of education, broadly conceived.

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, Feb. 1

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](#).

MSFHR Reach Program

Deadline: May 2018 (date TBD)

The Reach Program supports researcher and research user partners to co-develop dissemination activities that will inform and/or improve further health research, practice and/or policy-making; supports the dissemination of research evidence beyond the normal peer group of the researcher; and, facilitates the uptake of research evidence for those who use health research (patients, the public, policy makers, etc.).

Mohamed bin Zayed Species Conservation Fund

Deadlines: Last day of 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.

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 and project development.

NSERC Connect Grants

Deadline: Continuous

Value: Level 1, up to \$5,000; Level 2: up to \$25,000

Connect grants provide targeted financial support to encourage post-secondary researchers at universities to connect with industry and other knowledge end-user communities in order to form new partnerships.

Level 1: For domestic travel costs to develop new academic-industry partnership

Level 2: For activities aimed at developing or promoting new academic–industry partnerships, student–industry training opportunities, and/or goals of [NSERC's 2020 Strategic Plan](#).

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.

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

Presentations & Exhibitions

***Bertoli, M.E.; C. Wilson; *A.M. Wilson and J.M. Karl.** "Early prehension: how the underlying surface may matter". *The Canadian Spring Conference on Behaviour and Brain*. Fernie, BC. Feb. 2018. Oral presentation.

Kamphuis, Charis. "Canadian Embassies, Economic Diplomacy & the Rule of Law." *Whither Canadian Diplomacy – Enabling Mining Companies or Land and Environment Defenders?* Workshop at Human Rights Research & Education Centre, University of Ottawa (invited presentation). February 2018.

***Klassen, N. & J.M. Karl.** "Perihand space: a positive feedback loop for the early development of visually guided reach and grasp movements?" *The Canadian Spring Conference on Behaviour and Brain*. Fernie, BC. Feb. 2018. Oral presentation.

• *M.E. Bertoli was awarded first place, "Most Outstanding Talk", at the undergraduate level*

for this presentation

Leier, Eileen. "[Sq̓lelten Túw'i – Red Salmon – Sockeye: Reconsidering the Adams River Run.](#)" Comox Valley Public Art Gallery, Courtenay, B.C. Jan. 27 - March 23, 2018.

Published books & articles

Baldwin, Lyn. "[Form Follows Function](#)". *The Goose*, vol. 16, no. 2, 15 Feb. 2018, pp. article 30.

Harrison, Michelle. "[Space as a tool for analysis: Examining digital learning spaces](#)". *International Council For Open And Distance Education*, vol. 10, no. 1, 2018.

Haverila, Matti J. & Kai Christian Haverila. "[Examination of customer-centric measures among different types of customers in the context of major Canadian Ski Resort](#)". *Asia Pacific Journal of Marketing and Logistics*, 2018, <https://doi.org/10.1108/APJML-05-2017-0096>.

Henry, Hugh A. L.; Mehdi Abedi; Concepción L. Alados; Karen H. Beard; **Lauchlan H. Fraser**; Anke Jentsch; Juergen Kreyling; Andrew Kulmatiski; Eric G. Lamb; Wei Sun; Mathew R. Vankoughnett; Susanna Venn; Christiane Werner; Ilka Beil; Irmgard Blindow; Sven Dahlke; Maren Dubbert; Alexandra Effinger; **Heath W. Garris**; Maite Gartzia; Tobias Gebauer; Mohammed A. S. Arfin Khan; Andrey V. Malyshev; John Morgan; Charles Nock; **Janelle P. Paulson***; Yolanda Pueyo; Holly J. Stover and Xuechen Yang. "[Increased Soil Frost Versus Summer Drought as Drivers of Plant Biomass Responses to Reduced Precipitation: Results from a Globally Coordinated Field Experiment](#) ." *Ecosystem* , 21 Feb. 2018.

***Howitt, Josephine & Courtney W. Mason.** "[Ecotourism and Sustainable Rural Development in Pérez Zeledón, Costa Rica.](#)" *Journal of Rural and Community Development*, vol. 13, no. 1, 2018, pp. 67-84.

Kuntz, Jessica R.; **Jenni M. Karl**; Jon B. Doan and Ian Q. Wishaw. "[Gaze anchoring guides real but not pantomime reach-to-grasp: support for the action–perception theory.](#)" *Experimental Brain Research*, 2 Feb. 2018.

Marsden, Sarah & Sarah Buhler. "[Lawyer competencies for access to justice: Two Empirical Studies.](#)" *Windsor Yearbook of Access to Justice*, vol. 34, no. 2, 2017, pp. 186-208.

Martínez-Rodríguez, Héctor; **Kingsley Donkor**; **Sharon Brewer**; Marcela Galar-Martínez; Nely SanJuan-Reyes; Hariz Islas-Flores; Livier Sánchez-Aceves; Armando Elizalde-Velázquez and Leobardo Manuel Gómez-Oliván. "[Metoprolol induces oxidative damage in common carp \(Cyprinus carpio\).](#)" *Aquatic Toxicology* , vol. 197, 2018, pp. 122-135.

Nikku, Bala Raju & Zain Rafique . "[Empowering people: Role for political social work in South Asia.](#)" *International Social Work*, 13 Feb. 2018, pp. 1-15.

Promislow, Janna and Metallic, Naiomi . "[Realizing Aboriginal Administrative Law,](#)" in Colleen M Flood & Lorne Sossin, eds, *Administrative Law in Context*, 3d ed. Toronto,

Emond Publishing, 2018, pp. 87-137.

Sadeghi, S. M. M.; P. Attarod and **T. G. Pypker**. "Differences in Rainfall Interception during the Growing and Non-growing Seasons in a *Fraxinus rotundifolia* Mill. Plantation Located in a Semiarid Climate." *J. Agr. Sci. Tech*, vol. 17, 2015, pp. 145-156.

*Indicates student author



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