



**THOMPSON
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UNIVERSITY**

Research &
Graduate
Studies

Research Newsletter

Research News

Input requested: Strategic Consultation on Research and Graduate Studies

The Office of Research and Graduate Studies is in the process of assessing the impact of its current Strategic Research Plan, and is looking for further direction on its implementation during its final two years. Thank you to all those who have attended the Dialogue Sessions to date. Minutes are now posted online. There is still opportunity to participate in the consultation process:

- Dec. 12, 9:30-11am, Graduate Studies program coordinators
- Dec. 13, 2-3:30pm, Open Learning advisory team

Additional dates will be added in 2018.

RESEARCH
symposium

**THOMPSON
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High impacts in undergraduate research: Establishing inclusive opportunities

The banner features a background image of a person working at a computer. The text is overlaid on this image. The word 'RESEARCH' is in large, bold, dark blue letters, and 'symposium' is in a smaller, teal, lowercase font. The TRU logo is on the right, and the tagline is at the bottom in a dark blue box.

REGISTER NOW — Undergraduate research symposium

Register now for this international research symposium, scheduled for **Feb. 19-21 at TRU**. The symposium will provide a venue for us to share findings, evidence-based practices, and innovative strategies enabling us to transform undergraduate research programs in order to welcome and support *all* students.

NEW — Tri-University Major Project Collaboration Grant

We are excited to announce an exciting new grant opportunity, designed to develop research collaborations and capacity between BC's three Interior research universities —

TRU, UBC-Okanagan, and the University of Northern BC. Four Tri-University Major Project Collaboration Grants are available in 2017-18, valued at \$10,000 each. Funds are awarded on the basis of research excellence that can be supported by external funders. Complete applications must be submitted to research@tru.ca by **Jan. 15, 2018**.

Congratulations



TRU researcher named as one of nation's top new scholars

Dr. Richard Oppong, associate professor in the Faculty of Law, was inducted into the Royal Society of Canada's College of New Scholars, Artists and Scientists. The celebration of Canadian intellectual achievement was held in Winnipeg on Nov. 24.

[Read more](#)

Highland Valley Copper supports creation of Centre for Ecosystem Reclamation

Highland Valley Copper pledged \$200,000 in cash and \$150,000 in-kind support for the establishment of an Industrial Research Chair at TRU. The position would be held by **Dr. Lauchlan Fraser**, and would mark the exciting first step in the creation of a Centre for Ecosystem Reclamation at TRU.



[Read more](#)



Civil liberties and 3D printing: Research projects get federal boost

Two TRU researchers, **Dr. Daphne Jeyapal**, associate professor of social work, and **Dr. Tesh Dagne**, assistant professor of law, were awarded Insight Development Grants from the Social Sciences and Humanities Research Council.

[Read more](#)

Ten students awarded

undergraduate research grants

Ten students have been awarded \$4,500 UREAP scholarships to conduct independent research projects. The program has been available since 2003. So far this year, 36 UREAP scholarships have been awarded, for a total investment of nearly \$195,000 in undergraduate research.

[Read more](#)



Crowd control research nets national award

Tunisian undergraduate **Housseem Zouaghi** received the Mitacs Award for Outstanding innovation for his work with TRU's **Dr. Andrew Park**. Zouaghi spent three months at TRU as part of a Mitacs Globalink Research Internship.

[Read more](#)

Events

You're invited: Grand opening of TRUgen

When: Dec. 11, 10-11am

Where: Ken Lepin Science Building, S337

What: Please join us for the official opening of TRUgen, TRU's Applied Genomics Laboratory. This is the first high-throughput genomic sequencing lab in BC outside of the Lower Mainland, and is under the direction of Dr. Jonathan Van Hamme, associate professor, biology.

TRUGen
Applied Genomics Laboratory



Philosophy, History Politics student conference

When: Jan. 18-20

Where: Various locations

What: Explore the past and present through presentations in philosophy, history, and politics during this student-organized conference.

[Read more](#)

Graduate Students Career Retreats

When: Jan. 27, 9am - 3pm

Where: Graduate Commons, Main Library

What: Learn essential work strategies and other important career tips through mini-lectures and hands-on activities.

[Read more](#)

Student funding

Indigenous Knowledge Makers

Deadline: Jan. 5, 2018

Value: \$1,000

This program is designed to encourage undergraduate Indigenous students to pursue research programs. Students will attend workshops that are designed to introduce them to research, enable them to contribute to a research publication and its dissemination, and also provide them with Indigenous research mentors.

RISE-Globalink Research Internship

Deadline: Dec. 15, 2017

Value: \$5,200

Mitacs and the German Academic Exchange Service (DAAD) offer this program that provides undergraduate students at Canadian universities with the opportunity to undertake research at eligible German institutions. Canadian students will be paired with a PhD supervisor in Germany for a three-month project. This competition is open to full time undergraduate students in biology, chemistry, physics, earth sciences, or engineering, who have completed at least two years of a four or five year program.

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.

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*

Great Lakes Fisheries Trust - Ecosystem Health and Sustainable Fish Populations

Deadline: Jan. 3, 2018 (internal); Jan. 12, 2018 (external)

Value: A total of \$1 million will be granted in 2018

The GLFT pursues its fisheries research efforts through competitive grantmaking within established thematic areas. Funded activities include hypothesis-driven research, as well as tools, resources, and capacity-building efforts that support the development or use and application of research.

The Office of the Privacy Commissioner of Canada (OPC)

Deadline: Jan. 3, 2018 (internal); Jan. 16, 2018 (external)

Value: Up to \$100,000

The Office is inviting research and knowledge translation applications that advance its strategic privacy priorities. In addition, the OPC is particularly interested in funding research or knowledge translation projects that aim to promote the development and adoption of Privacy Enhancing Technologies (PETs).

CIFAR - Global Call for Ideas, Letter of Intent

Deadline: Jan. 15, 2018 (internal); Jan. 21, 2018 (external)

The Canadian Institute for Advanced Research (CIFAR) invites the global research community to submit proposals for new programs that address complex, fundamental questions of importance to the world. Ideas must be novel, bold, and potentially transformative to warrant the creation of a sustained, interdisciplinary, and collaborative research program.

SSHRC Insight Development Grant

Deadline: Jan. 19, 2018 (internal); Feb. 2, 2018 (external)

Value: Up to \$75,000

This program supports research in its initial stages, enabling the development of new research questions, as well as experimentation with new methods, theoretical approaches and/or ideas. Funding is provided for short-term research projects, of up to two years.

- **SSHRC IDG webinar, Dec. 12, 10am (PST)**

CIHR Project Grant

Registration deadline: Jan. 23, 2018 (internal); Feb. 6, 2018 (external); full application 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.

Investment Agriculture Foundation of BC - General Application

Deadline: Jan. 24, 2018 (internal); Feb. 9, 2018 (external)

Value: Varies (<\$100,000)

AFBC offers a variety of programs to assist the agriculture and food processing industries in BC. The general application covers a variety of research initiatives, whether you're interested in pursuing a local marketing or export opportunity, enhancing environmental sustainability or developing a new product or process, funding is available to help turn your idea into reality.

NSERC Strategic Partnership Grants for Projects, Lol

Deadline: Jan. 25, 2018 (internal); Feb. 1, 2018 (external)

The Strategic Partnership Grants for Projects require a partnership between researchers and eligible industrial and/or government organizations and enable the transfer of knowledge/ technology and expertise to these organizations.

- **NSERC SPG-P Lol webinar, Dec. 12, 2017, 10am-noon** **This is a great opportunity to learn and participate in a Q&A session*

WorkSafeBC - Innovation at Work Grant

Deadline: Jan. 25, 2018 (internal); Feb. 8, 2018 (external)

Value: Up to \$50,000

Grants provided through Innovation at Work fund short term, small-scale projects that can lead to the development of new knowledge or practical solutions for workplace health and safety issues.

SSHRC Partnership Grants, Lol

Deadline: Stage 1-Feb. 1, 2018 (internal); Feb. 15, 2018 (external); Stage 2, Nov. 1, 2018 (external)

Value: Stage 1 - \$20,000; Stage 2 - up to \$500,00 per year over four to seven years

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.

CIHR: Operating Grant : SPOR PIHCI Network - Comparative Program and Policy Analysis

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

Value: Up to \$62,500; five awards available

This funding opportunity focuses on two areas: 1) Comparative policy analyses across different provincial/territorial health system contexts and related health outcomes and 2) Comparative analysis of programmatic innovations in health care delivery that could scale to a system level.

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)

TRU Internal Research Fund

Deadline: Jan. 12, 2018

Value: \$3,000 - \$5,000

These awards are designed to scaffold faculty development, especially in terms of tenure and promotion. The IRF is a small seed fund that is not intended to provide funding for major projects. New faculty are encouraged to apply.

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

Rakobowchuk, Mark. "Exercise derived extracellular vesicles and vascular adaptations." Presentation. International Week, Université de Bourgogne Franche-Comté, Besançon, France, Oct. 24, 2017.

Rakobowchuk, Mark. "Vascular health, eccentric exercise and the involvement of microvesicles." Symposium lecture for the Association des Chercheurs en Activités Physiques et Sportives, University of Burgundy, Dijon, France. Oct. 28-30, 2017.

Rakobowchuk, Mark. "Exercise derived extracellular vesicles in health: stimuli that induce their appearance blood plasma," an invited talk at the International Congress, Mountain, Sport & Health. Università di Verona, Rovereto, Italy. Nov. 9-10, 2017.

Published books & articles

Bonderud, Erica S., Ken A. Otter, Brent W. Murray, ***Kristen L.D. Marini**, Theresa M. Burg, and **Matthew W. Reudink.** "Effects of parental condition and nesting habitat on sex allocation in the mountain chickadee." *Behaviour*, vol. 154, no. 11. pp. 1101-1121, 2017.

Bruer, Kaila C., Madison B. Harvey, Alyssa S. Adams, and **Heather L. Price.** "Judicial Discussion of Eyewitness Identification Evidence." *Canadian Journal of Behavioural Science*, vol. 49, no. 4, Oct. 2017, pp. 209-220. EBSCOhost, doi:10.1037/cbs0000084.

Feigelman, William., **Rebecca L. Sanford**, and Julie Cerel. "Do Primary Care Physicians Help the Bereaved With Their Suicide Losses: Loss Survivor Perceptions of Helpfulness From Physicians." *OMEGA – Journal of Death and Dying*. 2017.

Latif, Ehsan. "Relationship between spousal education gaps and life satisfaction: Evidence from Canada." *Economics and Business Letters*, vol. 6., no. 3, pp. 69-80, 2017.

Ludke, A., G. Akolakar, P. Aayyappan, **A.K. Sharma**, P.K. Singal. "Time course of changes in oxidative stress and stress-induced proteins in cardiomyocytes exposed to doxorubicin and prevention by vitamin C." *PLoS ONE*, vol.12, no.7, 2017.

McKeown, Janet K. L., Diana C. Parry, and **Tracy Penny Light.** "My iPhone Changed My Life": How Digital Technologies Can Enable Women's Consumption of Online Sexually Explicit Materials." *Sexuality & Culture*. pp. 1-15, 2017.

***Paetkau, Owen**, ***Zachary Parsons**, and **Mark Paetkau.** "Computerized tomography platform using beta rays." *American Journal of Physics*, vol. 85, no. 12, 2017.

Shi, Guifeng, Jianfei Sun, and **Li Zhang.** "Product market competition and earnings

management: A firm-level analysis." *Journal of Business Finance & Accounting*, vol. 44, no. 9-10, 2017.

Stewart, Nikki, **Susan Lidster**, ***Tory Anchikoski**, **Bruno Cinel**, **Sharon Brewer**, **Carol Rees**. "Creating an engaging science inquiry activity for middle school students that incorporates online remote access to analytical instrumentation," *ASEJ*, vol. 45, no. 1, November 2017, pp. 30-38.

Wilhelm, E.N., J. González-Alonso, S.T. Chiesa, S.J. Trangmar, K.K. Kalsi, and **M. Rakobowchuk**. "Whole-body heat stress and exercise stimulate the appearance of platelet microvesicles in plasma with limited influence of vascular shear stress. *Physiol Rep.*, vol. 5, no. 21, November 2017. pii: e13496. doi: 10.14814/phy2.13496.

*Indicates student author



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