



Research partnership aims to create 'smart' worksites

A research partnership that aims to develop smart worksites and ensure more efficient allocation of resources has been named as a Top 10 finalist for the BC Innovation Council's Ignite Awards. The partnership between Dr. Musfiq Rahman and Kamloops-based tech company Lightship Works, addresses an existing problem faced by many large worksites, with specific impact on the resource industry.



[Read more](#)



UREAP competition opens, application support offered

Deadline: Feb. 15, 2017

Danielle Fauteux credits the Undergraduate Research Experience Award Program for pushing her out of her comfort zone and setting her up for post-graduation success as a building designer and entrepreneur. Application support is offered Tues. - Thurs., 9:30 - 1:20, in the Undergraduate Research Commons, OM1522.

[Read more](#)

Call for nominations: Master Scholar Award

Nominate an outstanding faculty member for the TRU Master Scholar Award. Deadline for nominations is Feb. 17, 2017.

[Read more](#)

Call for nominations: Excellence in Scholarship Award

Nominate an exceptional faculty member for the Excellence in Scholarship Award before Feb. 17, 2017.

[Read more](#)

Researchers in the news

Online tool helps ranchers prepare for drought

A research partnership to develop a climate change impact tool for livestock water use is getting provincial attention.

[Read more](#)



Congratulations



Fellowships awarded to outstanding graduate researchers

Brianna Iwabuchi and Stephanie Winton are the recipients of the \$7,500 Environmental Science and Natural Resource Science Fellowship.

[Read more](#)

Events

Indigenizing Higher Ed storytelling series

When: Feb. 2, 11 a.m. to noon

Where: Online

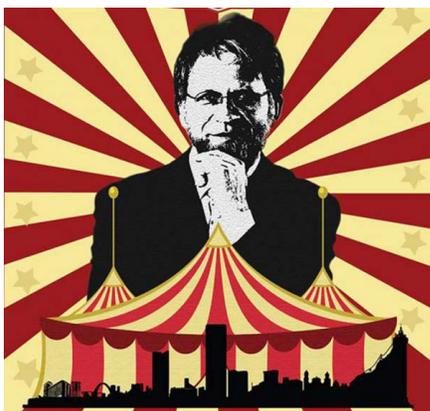
The Office of Aboriginal Education and Open Learning are hosting a free online storytelling series

entitled Towards Indigenizing Higher Education. The series is open to everyone, and runs



from 11 a.m. to noon, beginning on Feb. 2.

[Read more](#)



Don't miss Mockus

When: Feb. 8-11

Where: Pavilion Theatre

Chimera Theatre presents Mockus, a play written by Arts Faculty member, George Johnson and performed by current students and alumni.

[Read more](#)

Under Pressure in gallery

When: On through Jan. 27, 9 am to 4 pm, Mon-Fri

Where: TRU Gallery, Old Main

The exhibit is made up of works by students in the third-year visual arts course, Special Topics: Materials Under Pressure, and features an array of works developed using novel and traditional printmaking techniques. Drop by for a closer look and an opportunity to talk to the artists.

[Read more](#)

**1 Slide
3 Minutes**

\$1,750 in  **Prize Money**

Register now!
TRU.ca/3MT

[Read more](#)

3 Minute Thesis (3MT) launch & Orientation

When: March 29, 10 to 11 am

Where: Irving K. Barber Centre

The 3MT is an internationally recognized research communication competition for graduate students, who will vie for prizes valued at \$1,750. Planning to participate in the 3 Minute Thesis? A Feb. 9 workshop led by graduate students is designed to set you up for success.

ProtoHack comes to The Generator

What: ProtoHack exists to show entrepreneurs that they can create something amazing from nothing without having to write a single line of code. The goal is to empower and enable the non-technical community with tools, knowledge and know-how that will help bring their ideas to life and visually communicate it through prototyping.

When: Feb. 4, 8:30 am - 9 pm

Where: The Generator, Lower Level, House of Learning

Tickets: \$20 (students) \$30 (general admission)

Environmental Sciences Seminar Series

When: Thursdays from 4 - 5 pm

Where: S203

- Jan. 26 — David Fraser, Ministry of Environment: *Mining criteria and threats assessments — making your research count for species at risk*
- Feb. 2 — Dr. William Mohn, UBC: *Long-term effects of timber harvesting on forest soil communities and their catabolic capacity*
- Feb. 9 — Dr. Arne Moores, SFU: *Can (and should) the tree of life help guide conservation*
- Feb. 16 — Dr. Meghna Babbar-Sebens, Oregon State University: *The participatory web — A medium for human-computer collaborative design of watershed management solutions.*

Funding Updates & Opportunities (faculty)

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

Community-Driven Research Fund

Award value: \$2,500 (Matching contributions of up to \$2,500 in cash or in-kind is required from the community organization)

The Community-Driven Research Fund is designed to support research that responds directly to community need, builds research partnerships with regional community organizations, provides opportunities for students to become involved in community-based research, and helps faculty and their community partners become more competitive for external funding. [Apply now!](#)

Call for applications: Northcote and Brink Professorship

Deadline: Jan. 30, 2017

Applications are being accepted for the Northcote and Brink Professorship, a prestigious award valued at \$10,000 per year for three years. The purpose of the award is to expand Thompson Rivers University's knowledge of the connection between restoration of ecosystems and the social benefits to communities.

[Read more](#)

NSERC Science Exposed



Deadline: Jan. 31, 2017

NSERC has recently launched its Science Exposed contest, in collaboration with l'Acfas. The image contest challenges Canadians to combine art and science for a chance to win one of four cash prizes of up to \$2,000. The contest is devoted exclusively to images of scientific research, in all fields of study.

NSERC Strategic Partnership Grants

Deadline to submit an LoI for the NSERC Strategic Partnership Grant is Feb. 1, 2017.

[Read more](#)

BC Music Fund research grants

Applications evaluated on a rolling basis, ending March 31, 2018

The BCMF Research Program is one of the funding programs of the \$15 million BC Music Fund supported by the Province of BC. 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.

Funding Updates & Opportunities (students)

NSERC USRA

Deadline: Jan. 25, 2017

The NSERC Undergraduate Student Research Award Program (USRA) provides a minimum \$5,625 for undergraduate students in the natural sciences and engineering to engage in research over a 16-week period in summer (May-August).

UREAP now open

Deadline: Feb. 15, 2017

Applications are now being accepted for the Undergraduate Research Experience Award Program. Apply for a \$4,500 scholarship to conduct your own original research project. Drop in application support sessions are available Tuesday to Thursday, 9:30 am to 1:20 pm, in the Undergraduate Research Commons, OM1522.

Undergraduate Research Ambassadors

Deadline: March 10, 2017

This capstone experience strengthens students' undergraduate research understanding

and provides training to enhance skills as ambassadors. Open to students who have at least 60 credits, a GPA of 3.2 or higher, and have engaged in research or creative activities. Successful ambassadors receive a \$3,000 award, and there are 14 awards available.

Mobilizing Knowledge

Presentations

Karl, J. M., & *A. Wilson. Poster presentation: “Differential sensory control of the reach and the grasp in 12-month-old human infants: Increased visual guidance of the reach relative to the grasp in a skilled reach-to-eat-task.” *Society for Neuroscience Annual Meeting*, San Diego, CA. November 2016.

Pomella, Nicola, **M. Rakobowchuk**, Christina Kolyva & Ashraf W. Khir. Paper presentation: “Changes in Non-Invasive Wave Intensity Parameters with Variations of Savitzky-Golay Filter Settings.” *Computing in Cardiology Conference*. Vancouver, BC. September 2016.

Rakobowchuk, M., O. Ritter, E. Wilhelm Neto, L. Isacco, M. Bouhaddi, B. Degano, N. Tordi & L. Mourot. Paper presentation. “Divergent endothelial function but similar platelet microvesicle effects following eccentric and concentric cycling at similar aerobic outputs.” *Canadian Society for Exercise Physiology Annual Conference*. Victoria, BC. October 2016.

Published articles

Balseiro-Romero, María Panagiotis Gkorezis, Petra S. Kidd, **Jonathan Van Hamme**, Nele Weyens, Carmen Monterroso, & Jaco Vangronsveld. “Use of plant growth promoting bacterial strains to improve *Cytisus striatus* and *Lupinus luteus* development for potential application in phytoremediation.” *Science of The Total Environment*. 2016.
<http://dx.doi.org/10.1016/j.scitotenv.2016.12.180>

Baugh, Bruce. “Modern Fransız Felsefesinde Hegel: Mutsuz Bilinç (Hegel in Modern French Philosophy: The Unhappy Consciousness).” *Hegel Paris’te (Hegel in Paris)*. Edited by Sadik Erol Er. Otonom Yayıncılık. 2016, 83-106.

Bell, Wilson T. “Forced Labor on the Home Front: The Gulag and Total War in Western Siberia, 1940-1945.” *The Soviet Gulag: Evidence, Interpretation, and Comparison*. Edited by Michael David-Fox. University of Pittsburgh Press, 2016, pp 114-135.

Isacco L, O. Ritter, N. Tordi, D. Laroche, B. Degano, M. Bouhaddi, **M. Rakobowchuk** & L. Mourot. “[Similar substrate oxidation rates in concentric and eccentric cycling matched for aerobic power output.](#)” *Applied Physiology, Nutrition and Metabolism*. 41.11, 2016. 1204-1207.

Karl, J. M. & J. C. Culham. “[Revisiting Roland: How Does the Human Brain Produce Complex Motor Behaviours? Insights from Functional Neuroimaging.](#)” *Brain & Behaviour: Revisiting the Classic Studies*. Edited by B. Kolb & I. Q. Whishaw. 2016.

Penny Light, Tracy & Diana C. Parry. "Normalizing Dark Desires? The Medicalization of Sex and Women's Consumption of Pornography." *The Sexualized Body and the Medical Authority of Pornography: Performing Sexual Liberation*. Edited by Heather Brunskell-Evans. Cambridge Scholars Publishing. 2016. 81-94.

Snider, Brent, **Nancy Southin** & Sherry Weaver. "Student Peer Evaluated Line Balancing Competition." *INFORMS Transactions on Education*. 17.2, 2017. 43-48.
<http://dx.doi.org/10.1287/ited.2016.0164>

Watson, Edward C., George D. Kuh, Terrel Rhodes, **Tracy Penny Light**, & Helen L. Chen. "Editorial: ePortfolios — The Eleventh High Impact Practice." *International Journal of ePortfolio*. 6:2. 2016, 65-69.

Wilhelm E.N., J. González-Alonso, C. Parris & **M. Rakobowchuk**. "Exercise intensity modulates the appearance of circulating microvesicles with proangiogenic potential upon endothelial cells." *American Journal of Pphysiology Heart and Circulatory Physiology*. 311.5, 2016.

**Indicates student or alumni*

Research news is always welcome. Please email research@tru.ca if you have news, events or accomplishments you'd like to share.

