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Research News & Updates



TRU Research Storyteller – Dr. Carol Rees

Research Week a huge success

TRU's inaugural Research Week, March 15-19, was a tremendous success! The week featured a series of events designed to showcase, celebrate and support wide-ranging student and faculty research taking place at TRU. Highlights of the week included the launch of the latest [TRU Research Storyteller video](#), featuring Dr. Carol Rees, as well as the [Celebration of 2015 Books](#), the [Intercultural Conference](#), the [Graduate Research Symposium](#), the [Three Minute Thesis](#), and the [Undergraduate Research & Innovation Conference](#). The week is a showcase of our growing research capacity and our commitment to high-quality, interdisciplinary research.

Congratulations to Undergraduate Research Mentors

Congratulations to [Ginny Ratsoy](#), Associate Professor in the Faculty of Arts, and to [Dr. Jonathan Van Hamme](#), Associate Professor in the Faculty of Science, both recipients of the 2016 TRU Undergraduate Research Mentor Award. The award celebrates those who actively help students to explore, inquire and engage in new knowledge creation by providing meaningful guidance and support. Dr. Will Garrett-Petts, Associate Vice President of Research and Graduate Studies, presented the awards during the Undergraduate Research Conference Reception on March 19.

Congratulations to Graduate Research Mentor

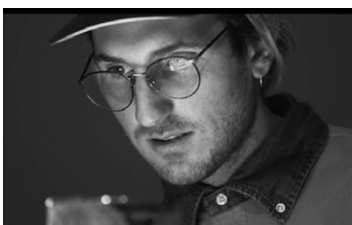
Congratulations to Dr. John Church, BC Innovation Chair in Cattle Industry Sustainability, recipient of the [2016 Graduate Research Mentor Award](#) in recognition of his demonstrated excellence mentoring graduate student researchers over a sustained period of time. Church joined TRU in 2008, and has supervised or co-supervised seven graduate students in that time, three of whom have graduated with their Master of Environmental Science degree.

And the 2016 3MT winner is...



Jared Maida, MSc, took first place in [TRU's third annual Three Minute Thesis competition](#). The Master of Science in Environmental Science student's presentation, "Dealing with Disturbance: How do Rattlesnakes Cope with Change," captured the attention of judges, which included Kamloops Mayor Peter Milobar, Western Canada Theatre General Manager Lori Marchand, and B100 Morning Show host Cheryl Blackwell. The venue was filled to capacity for the event, which saw MBA student Tanya Thomas awarded Second Place and People's Choice for her presentation. Maida received a \$1,000 prize, and will now represent TRU at the Western Canadian 3MT, hosted by UBC-Okanagan on April 29.

Research story recognized as among 25 best in Canada



Ryland Fortie, a fourth year visual arts student, is one of the [Top 25 finalists in the Social Sciences and Humanities Research Council \(SSHRC\) 2016 Storytellers challenge](#). The annual contest asks post-secondary students to demonstrate — in three minutes or 300 words — how SSHRC-funded research is making a difference in the lives of Canadians. Fortie's video, [The Camera Obscura Project: Optics, Learning and Play in Canada's](#)

[Wilderness](#), details his journey as a research assistant on the project, which is led by Visual Arts Professor Donald Lawrence. Fortie receives a prize of \$3,000 and moves on to compete in the Storyteller's Showcase at the [2016 Congress of the Humanities and Social Sciences](#) in Calgary in May.

International tourism conference at TRU this summer



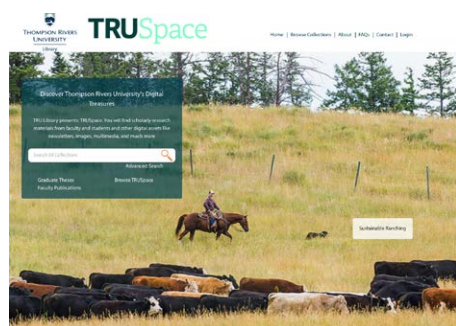
In June, tourism scholars from around the world will arrive at TRU for the four-day [Tourism Education Futures Initiative's ninth international conference \(TEFI 9\)](#). Conference organizer Dr. Kellee Caton says the conference has been designed to allow interactive workshops and networking opportunities that inspire future collaborations and enduring connections. *TEFI 9: Celebrating the Disruptive Power of Caring* is supported by a [\\$25,000 Social Sciences and Humanities Research Council \(SSHRC\) Connection Grant](#).

New centre of excellence in nursing education launched



TRU is in the process of launching two new research centres, part of a concerted effort to accelerate the implementation of the university's five priorities, and its Strategic Research Plan. Last winter, a call went out soliciting proposals for new Groups and Centres. Following an extensive adjudication process, two new groups were selected. One of the two new centres, the [Collaboratory for Educational Research and Development in Nursing](#), is spearheaded by Dr. Noeman Mirza, Assistant Professor in the School of Nursing. The Collaboratory will receive \$10,000 in start up funds, with Mirza also provided a course release to assist in developing the centre and securing external funds within the first year of operations.

Presenting TRUSpace



The Library is pleased to present [TRUSpace](#), the university's own institutional repository, a valuable and versatile academic and research resource. TRUSpace is a secure site housed on a Canadian server. Its content is searchable via Google, and content can be configured to be fully open access to honour required publisher embargo periods. TRUSpace will ensure TRU meets Tri-Council and other funding agency requirements for open access to funded research, and provide a digital archive for unique TRU or Kamloops regional content. Get the

most out of TRUSpace by visiting the [TRUSpace Libguide](#), and for more information contact [Kathy Gaynor](#), Scholarly Communications Librarian.

Research project tackles student outcomes

[Dr. Victoria Handford](#), Assistant Professor in the Faculty of Education and Social Work, is part of a research team that recently received a \$75,000 grant from the British Columbia School Superintendents Association (BCSSA) to conduct quantitative and qualitative research into how BC school districts and their leaders can improve student outcomes. The research team includes Handford, along with Faculty of Education and Social Work Dean Airini, and Dr. Kenneth Leithwood from the Ontario Institute for Studies in Education at the University of Toronto. The research aligns with similar research being undertaken across Ontario. Dr. Leithwood will speak at TRU on May 16 on change leadership. For more information about this research project, contact [Dr. Handford](#).

UREAP adjudicated

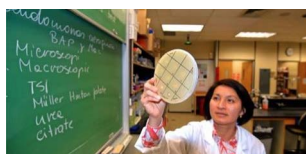
Congratulations to those students who developed successful Undergraduate Research Experience Award Program (UREAP) applications, and thank you to the adjudication committee. There was significant interest in the UREAP for this competition, with 43 applications received. Twenty-three students will receive scholarships, enabling them to conduct independent research projects this summer.

In the News

Heading into the field this summer? Tell us about it

CBC Radio is planning a summer series featuring TRU faculty (and student) research, so tell us what you're doing this summer. This is a wonderful opportunity to highlight the hard work that our researchers undertake through the summer months. If you would like to share your summer research plans, please email [Danna Bach](#), Research Communications Officer.

Battling superbugs airs on Al Jazeera



Microbiologist Dr. Naowarat (Ann) Cheeptham's research into cave microorganisms and their potential for new drug development was featured on Al Jazeera on March 29 in an episode and online article called, [Battling superbugs: Cave bacteria could hold the answer](#). Dr. Cheeptham's research has also been profiled recently on Bloomberg TV, as well as on Global TV's 16X9 and CBC's The Nature of Things.

Researcher discusses Man's Search for Meaning on CBC Radio's Sunday Edition

Dr. Rod McCormick, Professor and BC Innovation Council Chair in Aboriginal Health, was featured on [CBC Radio's The Sunday Edition on April 10](#). The show examines Viktor Frankl's memoir, *Man's Search for Meaning*, and how the book, which was written in 1946 after Frankl survived four Nazi concentration camps, continues to change lives, generation after generation.

Historian featured on Atheism, Secularism, and Humanism blog

Dr. Tina Block, an Associate Professor in the Faculty of Arts, was interviewed for a story on the [International Society for Historians of Atheism, Secularism, and Humanism blog](#). The blog post discusses Block's path to her research, and touches on her forthcoming book, *The Secular Northwest: Religion and Irreligion in Everyday Postwar Life*, due to publish this spring.

Upcoming Events

[bill bissett: Canadian poet and painter](#)

- **April 16, 1- 2:30 p.m., AE 262.** bill bissett, the Canadian poet and painter who prefers lowercase to uppercase, alternative and phonetic spellings, and marches to his own drummer, is here for an informal lecture and to answer your questions. bissett received a TRU honorary degree in 2008, and is the author of more than 70 books.

[2016 Rural Health Services Research Conference](#)

- **April 25-26, 2016.** Register now for *Developing Intercultural Connections and Practical Solutions for Improving Health: Health Science and Community Partnering*. This annual research conference is organized in partnership with Interior Health, TRU, the First Nations Health Authority and Rural Health Services Research Network of BC. The conference focuses on developing intercultural connections and partnering in practical solutions for improving health. For information: contact Kim Barnes, kim.barnes@interiorhealth.ca.

Mobilizing Knowledge

Published articles

- Dilpazir, Hammad, Zia Muhammad, Qurratulain Minhas, **Faheem Ahmed**, Hafiz Malik, and Hasan Mahmood. ["Multivariate mutual information for audio video fusion."](#) *Signal, Image and Video Processing*. 2016. Pp. 1-8.
- Gadhvi, Bhargav, **Vimal Savsani**, and Vivek Patel. ["Multi-Objective Optimization of Vehicle Passive Suspension System Using NSGA-II, SPEA2 and PESA-II."](#) *Procedia Technology*. 23. 2016. pp. 361-368. doi:10.1016/j.protcy.2016.03.038.
- Jin, Baisuo., Yuehua Wu, and **Xiaoping Shi**. ["Consistent two-stage multiple change-point detection in linear models."](#) (2016) *Canadian Journal of Statistics*. doi: 10.1002/cjs.11282.
- Lu, Hongliang, and **Qinglin Yu**. ["Generalization of Matching Extensions in Graphs \(IV\): Closures."](#) *Graphs and Combinatorics*. 2016. pp. 1-10.
- **Rahman, Hafizur**, and **Zena Seldon**. ["Spheres of decision-making in small and isolated](#)

- [municipalities: The Thompson-Nicola Regional District.](#) *Canadian Public Administration*, 59:1, 2016. 153–174. doi: 10.1111/capa.12163
- **Reudink, M.W.**, C.J Kyle, A.E. McKellar, C.M. Somers, R.L.F. Reudink, T.K Kyser, et al. [“Linking Isotopes and Panmixia: High Within-Colony Variation in Feather \$\delta^{2}H\$, \$\delta^{13}C\$, and \$\delta^{15}N\$ across the Range of the American White Pelican.”](#) *PLoS ONE*. (2016) 11.3: e0150810. doi:10.1371/journal.pone.0150810
 - **Sykes, Katie**. “Globalization and the Animal Turn: How International Trade Law Contributes to Global Norms of Animal Protection.” *Transnational Environmental Law*, 5:1 (2016), pp. 55-79. Cambridge University Press. doi:10.1017/S2047102516000054
 - **Tawhid, Mohamed A.**, and Ali F. Ahmed. [“Simplex particle swarm optimization with arithmetical crossover for solving global optimization problems.”](#) *OPSEARCH*. 2016. pp. 1-36.
 - Whishaw, Ian Q., **Jenni M. Karl**, and Nicholas K. Humphrey. [“Dissociation of the Reach and the Grasp in the destriate \(V1\) monkey Helen: a new anatomy for the dual visuomotor channel theory of reaching.”](#) *Experimental Brain Research*. 2016. pp. 1-12.
 - Yang, Wenzhi, **Xiaoping Shi**, Xiaoqin Li, and Shuhe Hu. [“Approximations to inverse moments of double-indexed weighted sums.”](#) *Journal of Mathematical Analysis and Applications*. 440:2. 2016, pp. 833-852.

Funding Updates & Opportunities

[Research Prospecting Guide: Featured opportunities](#)

- [Connect Grant](#): This grant helps establish new contacts with companies and other knowledge end-user communities to form new partnerships. The deadlines are ongoing, and up to \$25,000 is available
- [Killam Research Fellowship](#): These awards provide support to scholars of exceptional ability who are engaged in research projects of broad significance and widespread interest. The fellowships provide two years of release time from teaching and administrative duties to individual scholars who wish to pursue independent research. The deadline to apply is May 15, 2016.
- [The Vancouver Foundation's Field of Interest Grants](#) can be used to fund projects that work toward meaningful outcomes in: arts and culture, education and training, environment, health and social development. The deadline to apply is May 15, and up to \$50,000 per year is available.

[Access to Research Data Centres Program](#)

This is not a funding opportunity, but an opportunity to gain access to research data needed to conduct large projects that have several sub-projects on related themes. Researchers must submit a proposal for the approval of the overall research program. Once approved, they may submit an application for specific projects (project summary) that fall under the umbrella of the program of research description.

[Canada Council for the Arts: Grants to Aboriginal Peoples: Creation Grants for Writers and Storytellers](#)

Deadline to apply: May 1, 2016

The objectives of these grants are to encourage the artistic development of aspiring and professional Aboriginal writers and storytellers, encourage the development of Aboriginal publishers and help to increase appreciation for Aboriginal literature in Canada. The program has two components, one for Creation Grants for Writers and Storytellers, and another for publishers.

Grants are valued at between \$5,000 to \$10,000.

[Grand Challenges Explorations](#)

Deadline to apply: May 11, 2016

This initiative encourages innovation and unconventional global health and development solutions, is accepting grant proposals. Initial grants will be \$100,000 (USD) each, and projects showing promise will have the opportunity to receive additional funding of up to \$1 million (USD). Two-page proposals are being accepted online for the following topic: Novel Approaches to Characterizing and Tracking the Global Burden of Antimicrobial Resistance.

[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.

[Welfare, Wellbeing and Demographic Change: Understanding Welfare Models](#)

The Joint Programming Initiative has opened the Joint Transnational Call 2016 with the objective of enabling a better coordination of national, European and Canadian research and development programs and activities relevant to demographic change in order to address the most urgent and demanding challenges defined in the Strategic Research Agenda, developed under the EC funded Coordination and Support Action J-AGE II. For more information, or to apply please email research@tru.ca.

Infrastructure funding: [John R. Evans Leaders Fund \(JELF\): Letters of Interest invited](#)

Deadline for complete application: May 1, 2016

Faculty interested in applying for infrastructure support are encouraged to contact the Research Office at their earliest opportunity for the June 2016 JELF. This is a program of the Canada Foundation for Innovation designed to help universities support the infrastructure needs of individual faculty or small groups of up to three faculty members. For information about this opportunity, please contact Research Grants Development Officer, Dr. Anita Sharma, ansharma@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](#): Internal deadline **May 16**; agency deadline **May 24**

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

[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](#): Internal deadline **April 18**; agency deadline **May 1**

Other:

[Full Application- Canada Foundation for Innovation](#): Internal deadline **May 1**; agency deadline **June 15**

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

Get in touch

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