



## Where is your research taking you?

If you are disseminating your research at conferences this summer, [tell us](#), as this information will help populate the research world map in the [2017-18 Annual Report on Research](#). For more information, contact Danna Bach, [dbach@tru.ca](mailto:dbach@tru.ca).

### *Research News*

#### *Inaugural IURC Research Symposium a success*

Approximately 100 researchers and Deans from the University of Northern BC, TRU and UBC Okanagan attended the Interior University Research Coalition's (IURC) first annual research symposium, hosted by UBCO on May 31. The symposium the first major collaborative opportunity since the IURC memorandum of understanding was signed in December, provided an opportunity for researchers from all three campuses to connect and work to develop a research community throughout the BC Interior.

#### *TRU researchers impact federal policy*

In the past several months, TRU researchers have been asked to provide their expertise to federal policy makers. In May, Dr. Laura Lamb, Associate Professor of economics, was invited to make a presentation to the [Government of Canada Senate Special Committee on the Charitable Sector](#). Lamb spoke to the impact of federal and provincial laws and policies governing charities, nonprofit organizations, foundations and other groups, and on the impact of the voluntary sector in Canada. In March, Dr. John Church, BC Regional Innovation Chair in Cattle Industry Sustainability, was asked to present to the [Senate Standing Committee on Agriculture and Forestry](#) with regard to the potential impact of the effects of climate change on the agriculture, agri-food and forestry sectors, and the actions undertaken to increase adaptation and emissions reduction strategies.

#### *Update your Bio page, and join the Experts List*

Summer is a great time to update your official [Bio Page](#), and at the same time, join our new, searchable [Experts List](#). The list is a great resource, and can be used to mobilize your knowledge, build partnerships and attract graduate students. Complete this simple [sign-up form](#) to be added to the directory.

## *Research Spotlight*

### *No Straight Lines an inventory of small city social assets*

Dr. Terry Kading's newly published book explores the unique challenges of tackling social problems within a small city like Kamloops.

[Read more](#)



### *TRU researcher tackles Canada-China relations in The Conversation Canada*

Dr. Robert Hanlon, Assistant Professor of International Relations and Asian Politics, penned, "Canada's disturbing lack of vision on dealing with a rising China," in *The Conversation Canada* in May, and discusses Canada's vulnerability during the "China century".



• **Write for *The Conversation!*** TRU is now a member of [The Conversation Canada](#), an independent news organization dedicated to bringing scholarly work to general readership. If you're interested in signing up as an author, please follow [these easy steps](#). For more information, please contact [Danna Bach](#).

### *Research sends TRU grad student to Australia*

Syeda Sonia Parvin will spend three months conducting research at Western Sydney University thanks to a Mitacs Globalink Research Award.

[Read more](#)

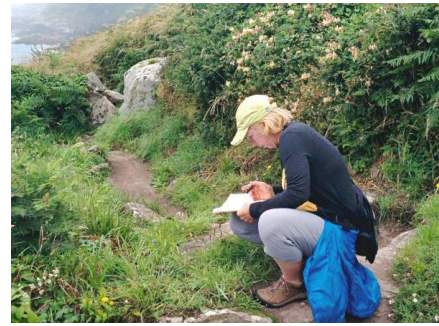


## *Congratulations*

## *Drawing on arts wins TRU scientist national award*

Who knew science students would benefit from sketching and writing? Lyn Baldwin did. And it won her an innovation in teaching award.

[Read more](#)



## *Gold medal awarded for cutting-edge marine research*

Hilary Hamilton, MSc, was awarded the 2018 Governor General's Academic Gold Medal for her contribution to the field of marine biology.

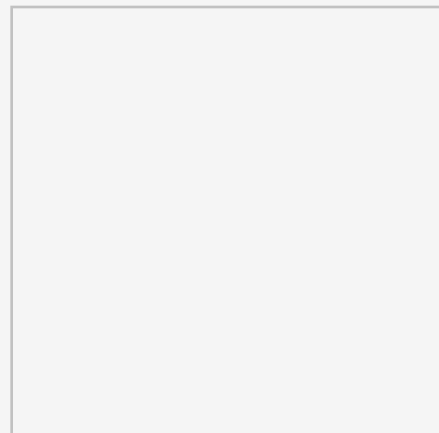
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## *Tri-agency news*

### *Highlights from CARA national conference*

Colleagues from the Research Office attended the annual conference of [Canadian Association of Research Administrators](#), where representatives from the Tri-Agency presented on many topics including Budget 2018, key program changes, competition results from SSHRC, NSERC, CIHR, and CFI. Some highlights include:



- \$3.8 million to SSHRC in 2018-19 to develop a Tri-Agency Strategic Plan for Indigenous Research
- Nearly a 50 per cent success rate in the last two SSHRC competitions (Partnership Engage Grants and Insight Grants)
- Creation of a Tri-Agency Fund for international, interdisciplinary, fast-breaking and higher risk research, \$275 million over five years and \$65 million per year ongoing
- New SSHRC eligibility guidelines for health-related research
- New funding opportunities announced: Collaborative Housing Research Network with CMHC, streamlined SSHRC-Mitacs process, and Horizon 2020 funding for Canadian and European researchers focused on immigration research
- 25 per cent increase in Discovery program budget (2021-22)
- Consolidation of NSERC's Engage grants, Industrial Chairs, Connect grants, Strategic

Partnership grants for Networks and Projects and Experience Awards grants into a single Collaborative Research and Development grant program

- Enhanced support for Early Career Researchers (ECRs): ECRs include all researchers within three years of their first independent academic position; researchers with non-academic research experience may now be considered ECRs; ECRs may extend their Discovery grants for an additional year with funds before reapplying;
- Changes to Research Tools and Instruments selection criteria: Reduction in the number of selection criteria from five to three; applied weighting for each criterion; will better guide selection committee members during review; will provide applicants with more detailed scoring on their proposals to help improve subsequent applications (versus a global score)
- Research community consultations planned for redesigning of Tri-Agencies' Grants Management System and CCV in the near future.

### *Nomination of members for NSERC committees*

In an effort to have good representation from small universities on grant adjudication committees, the Research Office is encouraging all NSERC eligible researchers to participate. Please fill out the nomination and sign [Form 250](#), and submit to the Research Office by Aug. 31. We will forward these nominations to NSERC. If you have any questions, please [contact us](#).

## *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*

### *Institute for Catastrophic Loss Reduction: 2018 Spring Flooding*

**Value: \$5,000 (quick response program), or \$10,000 (prompt data collection)**

The Institute for Catastrophic Loss Reduction (ICLR) and the Marine Environmental Observation Prediction and Response (MEOPAR) Network of Centres of Excellence invite proposals from social scientists to quickly deploy to a disaster-affected area in the aftermath of an extreme event to collect perishable data. The purpose of this funding opportunity is to support research that will learn from disaster events in order to better prevent disasters and protect communities in the future.

### *Genome BC Genomics Solutions for Agriculture, Agri-food, Fisheries and Aquaculture*

**Registration deadline: Aug. 16, 2018**

**Value: \$1-4 million**

This funding supports projects that demonstrate how genomics research can be translated into solutions that advance the sustainability, productive capacity and the resulting

competitive position of the Canadian agriculture/agri-food and fisheries/aquaculture sectors and thereby contribute to the Canadian bioeconomy and the well-being of Canadians. Please contact Alison Dendoff, New Programs Manager at [adendoff@genomebc.ca](mailto:adendoff@genomebc.ca) for more information.

## *Seeding Food Innovation*

**Deadline: LOI June 27; Full application Oct. 9**

**Value: Up to \$250,000**

This program provides seed funding for interdisciplinary research or technology development that helps accelerate solutions to sustainable food challenges. Our thematic focus is on food production, distribution and consumption initiatives. Research outcomes should impact primarily Canadians, but also deliver key learnings towards issues of global concern.

## *SSHRC Connection Grants*

**Deadlines: Aug. 1, Nov. 1, Feb. 1**

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

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](#).

## *CIHR Team Grant: Pathways to Health Equity for Aboriginal Peoples Implementation Teams Component 3*

**Deadline: Sept. 6**

**Value: \$1.5 million**

This opportunity supports the overall goal of the [Pathways to Health Equity for Aboriginal Peoples](#)(Pathways) Initiative, which is to develop a better understanding of how to design and implement equitable reach, access and sustainability of population health interventions (such as those funded by Public Health Agency of Canada, and the First Nations and Inuit Health Branch at the Department of Indigenous Services Canada that will improve Indigenous (i.e., First Nations, Inuit, and Métis) health and health equity. Component 3 will focus on implementing interventions.

## *CIHR Collaborative Health Research Projects*

**Deadline: Full application, Oct. 30**

**Value: \$150,000 - \$225,000 per year for 3 years**

This funding opportunity is offered by CIHR in partnership with NSERC and in collaboration with SSHRC. In the context of improved health for Canadians, the objectives of the

Collaborative Health Research Projects are to:

- Translate research results to knowledge/technology users (KTUs) and other stakeholders;
- Encourage the natural sciences and/or engineering and health research communities to collaborate and integrate their expertise;
- Advance interdisciplinary research leading to knowledge and technologies;
- Benefit Canada by improving the Canadian healthcare system and/or services;
- Lead to economic opportunities in Canada (where appropriate); and
- Provide training opportunities in collaborative and interdisciplinary research of relevance to health, while preparing them for employment opportunities in the private, public or not for profit sectors.

## *SSHRC Partnership Engage Grants*

**Deadline: 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](#).

## *Mohamed bin Zayed Species Conservation Fund*

**Deadline: 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.

## *NSERC Discovery Grants*

**Deadline: Aug. 1 (NOI); Full application: Nov. 1**

**Value: varies**

The Discovery grants program supports ongoing program of research with long-term goal supporting the creativity and innovation that are at the heart of all research advances in natural sciences and engineering.

## *Harry Frank Guggenheim Foundation – Research Grants*

**Deadline: Aug. 1**

**Value: \$15,000–\$40,000 USD/year**

Seeking proposals from any of the natural and social sciences and the humanities that promise to increase understanding of the causes, manifestations, and control of violence

and aggression. Highest priority is given to research that can increase understanding and amelioration of urgent problems of violence and aggression in the modern world, in particular, violence and aggression in relation to social change, intergroup conflict, war, terrorism, crime, and family relationships. Priority will be given to areas and methodologies that have not received adequate attention and support from other funding sources.

### *SSHRC Insight Grants*

**Deadline: Oct. 15**

**Value: Stream A: \$7,000 - \$100,000, Stream B: \$100,001 - \$400,000**

These grants support long-term research initiatives. The goal of the program is to build knowledge and understanding about people, societies and the world by supporting research excellence in all subject areas eligible for funding from SSHRC. Applications are accepted in two streams now depending upon the budget request.

### *NSERC Research Tools and Instruments grants*

**Deadline: Oct. 25**

**Value: \$7,001-\$150,000**

Research Tools and Instruments (RTI) grants foster and enhance the discovery, innovation and training capability of university researchers in the natural sciences and engineering by supporting the purchase of research equipment and installations.

### *SSHRC Partnership Development Grants*

**Deadline: Nov. 30**

**Value: \$75,000 - \$200,000**

These grants provide support to teams/partnerships, led by a project director, to: i) develop research and related activities in the social sciences and humanities, including knowledge mobilization and the meaningful involvement of students and new scholars, by fostering new partnerships for research and related activities involving existing and/or potential partners; or ii) design and test new partnership approaches for research and/or related activities that may result in best practices or models that either can be adapted by others or have the potential to be scaled up to a regional, national or international level.

### *NSERC Collaborative Research and Development Grants*

**Deadline: Continuous**

**Value: Up to \$500,000 per project**

CRD Grants support well-defined projects undertaken by university researchers and their private-sector partners. Direct project costs are shared by the industrial partner(s) and NSERC. Projects may range from one year to five years in duration, but most awards are for two or three years.

## *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)*

### *Undergraduate Research Apprenticeship Fund*

**(Competition opens Sept. 13)**



**Value: \$3,000/student, up to 30 awards available**

This program allows faculty to hire an Undergraduate Research Apprentice to assist them in accelerating their research endeavours and to provide the apprentice with a meaningful training opportunity. All applications are initiated by the faculty member when they have identified a qualified student.

### *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*

**Baugh, Bruce.** "Benjamin Fondane: From Poetry to a Philosophy of Becoming." Presented at Crossing Frontiers. Existential Philosophy, Poetry, and the Visual Arts in the Work of Benjamin Fondane. April 19-20, 2018, Yale University, New Haven, Connecticut.

**Hall, Margaret.** "Adult Vulnerability and Supporting Vulnerable Adults in Rural Communities," presented during the 2018 Rural Health Services Research Conference. May 30-June 1, 2018, Nelson, BC.

**Hanlon, Robert.** "Corporate Social Responsibility in times of Populism and Human Insecurity," presented at the BC Political Science Association annual conference, May 4-5, 2018. Thompson Rivers University, Kamloops, BC.

**Ng, Alex, Randall K. Kimmel, and Li Zhang.** "Do Cross Country Institutional Factors Influence Corporate Social Responsibility? An Examination of United Nations Global Compact Members." Presented at Administrative Sciences Association of Canada 2018 Annual Meeting, May 26-29, 2018, Toronto.

### *Published books & articles*

**Baugh, Bruce. T. Pypker,** and J. Wagenbrenner. "[Methods to improve survival and growth of planted alternative species seedlings in black ash ecosystems threatened by emerald ash borer.](#)" *Forests*. 9.146 (2018).

Hakimi, L., S.M.M. Sadeghi, J.T. Van Stan, **T.G. Pypker,** and E. Khosrpour. "[Management](#)

of pomegranate (*Punica granatum*) orchards alters the supply and pathway of rain water reaching soils in an arid agricultural landscape." *Agriculture, Ecosystems & Environment*. 259 (2018): 77-85.

Harris, Judy, and **Christine Wihak**. "The Recognition of Non-Formal Education in Higher Education: Where are we now, and are we learning from experience?" *International Journal of E-Learning & Distance Education*. 33.1 (2018).

**Kading, Terry**, editor. *No Straight Lines: Local Leadership and the Path from Government to Governance in Small Cities*. University of Calgary Press (2018).

**Karl, J. M.**, \***A. M. Wilson**, \***M. E. Bertoli**, and \***N. Shubear**. "Touch the table before the target: Contact with an underlying surface may assist the development of precise visually controlled reach and grasp movements in human infants." *Experimental Brain Research*. (2018).

Kolka, R., A. D'Amato, J. Wagenbrenner, R. Slesak, **T. Pypker**, M. Youngquist, A. Grinde, and B. Palik. "Synthesis of ecosystem level impacts of emerald ash borer on black ash wetlands: What does the future hold?" *Forests*. 9.179 (2018).

**Mohiuddin, M.**, A.A. Mamun, S.A. Fazal, and M.M. Masud. "Environmental Knowledge, Awareness and Business School Students' Intention to Purchase Green Vehicles in Emerging Countries." *Sustainability*. 10.5 (2018).

**Ortner, C.N.M.**, \***L. Chadwick**, and \***A.M. Wilson**. "Think ahead before you regulate: A focus on future consequences predicts choices of and beliefs about strategies for the down-regulation of negative emotions." *Motivation and Emotion*. (2018) 1-13.

Sadeghi, S.M.M., J.T. Van Stan, **T.G. Pypker**, J. Tamjidi, J. Friesen, and M. Farahnaklagroudi. "Importance of transitional leaf states in canopy rainfall partitioning dynamics." *European Journal of Forest Research*. 137 (2018): 121-130.

Shannon, J., \***M. Van Grinsven**, \***J. Davis**, \***N. Bolton**, N.J. Noh, **T. Pypker**, R. Kolka. "Water level controls on sap flux of canopy species in black ash wetlands." *Forests*. 9. 147 (2018).

\***Van Grinsven, M.**, J. Shannon, \***N. Bolton**, \***J. Davis**, N.J. Noh, J. Wagenbrenner, R. Kolka, and T. Pypker. "Response of black ash wetland gaseous soil carbon fluxes to simulated emerald ash borer disturbance." *Forests*. 9.324 (2018).

Wheatley, Matthew, and **Karl Larsen**. "Scale relativity of species-habitat models." *Ecological Complexity*. 36 (2018): 7-15.

Wilhelm, E.N., L. Mourrot, and **M. Rakobowchuk**. "Exercise-Derived Microvesicles: A Review of the Literature." *Sports Medicine* (2018).

\*Indicates student author

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