

# Senate Research Report

February 26<sup>th</sup>, 2019



VICE-PRINCIPAL (RESEARCH)

## *News and Updates*

On January 30<sup>th</sup>, 2019, Queen's Principal and Vice-Chancellor Daniel R. Woolf hosted the Honourable Kirsty Duncan, Minister of Science and Sport, and Dr. Ted Hewitt, President of SSHRC, at the Agnes Etherington Art Centre, where the Minister announced a \$141 million investment to fund Canadian research through the 2018 SSHRC *Insight* and *Talent* programs. At Queen's, 92 researchers from the Faculties of Arts and Science, Education, Health Sciences, Law and the Smith School of Business received funding amounting to approximately \$4.6 million. Associate Vice-Principal (Research) Sandra den Otter emceed the event, which also featured talks by SSHRC grant recipients, Assistant Professor Lee Airton (Faculty of Education), and MD-PhD student (School of Medicine/School of Kinesiology and Health Sciences) and Vanier Scholar, Christine Moon. After the event, Minister Duncan and Dr. Hewitt toured Queen's Art Conservation Lab and met with winners of the 2018 Art of Research Photo Contest.

CFI is continuing its consultation around their discussion paper entitled "[Conversation on the future of research and research infrastructure in Canada: role of the Canada Foundation for Innovation.](#)" For those who wish to engage in the final phase of the discussion, the CFI will hold two webinar meetings:

- Monday, February 25, 2019 at 1:00 to 3:00pm EST (English)
- Tuesday, February 26, 2019 from 1:00 to 3:00pm EST (French)

Please note that [registration](#) is limited to 60 participants on a first come, first served basis.

Resources for Research at Queen's (R4R@Q) is a brown bag lunchtime series coordinated by the Queen's University Library and the Research Portfolio, intended to assist researchers in navigating resources and services to realize research success. Sessions occur monthly in Stauffer 121 from 12:30-1:30 pm. Upcoming sessions include:

- February 13: [Let Me Tell You What I Want: Laying the Groundwork for a Successful Research Agreement](#)
- March 13: [Managing Your Research Data from Cradle to Grave](#)
- April 10: [Identifying and Protecting Your Invention](#)
- May 8: [People, Tissues, Cells, & Data: Key Ethical Considerations and Resources](#)

The 4<sup>th</sup> annual [Art of Research Photo Contest is open](#) for submissions until March 1, 2019. Hosted by the Office of the Vice-Principal (University Relations) and open to Queen's faculty, staff, students, and alumni, the Art of Research competition provides a unique and accessible method of sharing and celebrating groundbreaking research.

### *Awards and Accolades*

Dr. Stephen Archer, Head of Queen's Department of Medicine, was awarded the 2019 President's Award for Exemplary National Leadership in Academic Medicine by the Association of Faculties of Medicine of Canada.

Professors Ram Murty, Greg Smith and Peter Taylor from the Department of Mathematics and Statistics have been named to the inaugural class of Fellows of the Canadian Mathematical Society (CMS). The fellowship recognizes CMS members who have made excellent contributions to mathematical research, teaching, or exposition, as well as having distinguished themselves in serve to Canada's mathematical community.

Dr. Heather Stuart, the Bell Canada Mental Health and Anti-stigma Research Chair at Queen's University, participated in numerous events as part of Bell Canada's "Let's Talk" campaign to reduce the stigma around mental illness. Events included facilitating "Let's Talk Mental Health," an open discussion with students held in the Rose Innovation Hub at Mitchell Hall, as well as providing interviews for CTV news and the Kingston Whig-Standard.

## *Funding*

<b>Principal Investigator</b>	<b>Department</b>	<b>Project Title</b>	<b>Amount</b>
<b>ABBVIE CORPORATION – Event Sponsorship</b>			
Yuka Asai	Medicine	International Food Allergy Consortium meeting	\$7,500
<b>CIHR-Travel Award</b>			
Elijah Bisung	School of Kinesiology and Health Studies	Developing a research agenda to reduce outcomes of waterborne diseases in low-income areas of Canada and Mexico: A proposal to participate in the starting investigators workshop	\$1,200
<b>CIHR-Planning and Dissemination Grant</b>			
Lucie Levesque	School of Kinesiology and Health Studies	Exploring physical activity opportunities for adolescents in secondary schools in Antigua	\$19,999
Annette Hay	CCTG	Canadian Cell Therapies Workshop 2019	\$10,000
Maria del Pilar Carmargo Plazas	School of Nursing	Revisioning self-care management for seniors living with diabetes: A community consultation	\$19,500
<b>MITACS-Accelerate</b>			
Marianna Kontopoulou	Chemical Engineering	Development of a portfolio of graphite and graphene-based processes and products	\$160,000
Ian Moore	Civil Engineering	Rehabilitation Approaches for Steel Structural Plate Bridges	\$15,000
Aboelmagd Noureldin	Electrical and Computer Engineering	Intelligent Vision Based Navigation Systems	\$45,000
<b>MITACS-Elevate</b>			
Marianna Kontopoulou	Chemical Engineering	Development of a portfolio of graphite and graphene-based processes and products	\$70,000

This report is an illustration of research activity at Queen's University and is based in part on information provided to the Office of the Vice-Principal (Research) by University Research Services.

---

**MITACS-Globalink Research Award (Abroad)**

Gilles Gerbier	Physics, Engineering Physics & Astronomy	Viability of Superconducting Resonator Based Detectors (student: Richard Germond)	\$6,000
Gregory Jerkiewicz	Chemistry	In-situ Electrochemical Scanning Tunneling Microscopy on Novel Metallic Single Crystals (student: Derek Esau)	\$6,000

---

**NATIONAL ENDOWMENT FOR THE HUMANITIES-Research Grant**

Gauvin Bailey	Art History and Art Conservation	Architecture and Urbanism in the French Empire in the Indian and Pacific Oceans, 1643-1830	\$30,000 (USD)
---------------	--	--	----------------

---

**NSERC-Engage Plus**

Steve Harrison	Mechanical and Materials Engineering	Testing and Analysis of a Liquid Desiccant HVAC System for Remote Community Greenhouses (Industry Partner for Cash Contribution: Cindar Power Developments, Inc, \$11,600)	\$11,600
----------------	--	--	----------

---

**SANOFI-GENZYME-Event Sponsorship**

Yuka Asai	Medicine	International Food Allergy Consortium meeting	\$25,000
-----------	----------	--	----------

---

**SSHRC-Connection**

Sharry Aiken	Faculty of Law	De-Carceral Futures: Bridging Prison & Immigration Justice	\$22,822
Allison Morehead	Art History and Art Conservation	Doing Medical Humanities with Art, Non-Art, Objects, and Things	\$8,655