

Senate Research Report

March 26, 2019



News and Updates

Through its SSHRC Institutional Grants (SIG) funding opportunity, SSHRC provides annual block grants to help eligible Canadian postsecondary institutions fund, through their own merit review processes, small-scale research and research-related activities by their faculty in the social sciences and humanities. SIG funds are intended to help Canadian postsecondary institutions strengthen research excellence in the social sciences and humanities. A call for applications has been launched with a deadline of April 19. [More information about the SIG funding opportunity](#) is available on the Office of the Vice-Principal (Research) website.

The [Resources for Researchers at Queen's \(R4R@Q\) program](#) has successfully completed three events, and two more are scheduled:

- April 10: Identifying and Protecting Your Invention
- May 8: People, Tissues, Cells, & Data: Key Ethical Considerations and Resources

The [2018 annual report of the Office of the Chief Science Advisor](#) has been published, outlining key achievements over its first full year of activity, as well as initiatives for the year ahead.

Queen's University has launched a special call for four internal Tier 2 Canada Research Chairs (CRC) in all fields of study. In order to address the current under-representation of women among Chairholders at Queen's that has been identified by the Tri-Agency Institution Programs Secretariat (TIPS), this call is open only to exceptionally qualified individuals who self-identify as women. [Full information about this special CRC call](#) is available on the OVPR website.

[Queen's University has joined ONRamp](#), a University of Toronto-led collaboration built to support entrepreneurship and help accelerate new businesses by providing access to work space, events, and networking opportunities. Its 15,000 square-foot facility provides free, secure co-working space for members, 24-hour meeting rooms, a kitchen and lounge, and technology-enhanced rooms for presentations. Queen's will use the ONRamp space to showcase startups and researchers, to host pitches, networking events, and consultations with Toronto-based stakeholders, including alumni, government and industry partners, and venture capitalists.

Awards and Accolades

Dr. Oyedeji Ayonrinde (Psychiatry) has received the [2019 Partners In Research Biomedical Ambassador Award](#) for his work in cannabis education, with a focus on cannabis literacy and risks of harm across different demographics, as well as the gaps in knowledge among health care professionals.

Dr. Cathleen Crudden (Chemistry) was awarded the [2019 Montreal Medal](#) / Médaille de Montréal, sponsored by the Chemical Institute of Canada. The Medal is presented as a mark of distinction and honour to a resident of Canada for an outstanding contribution to the profession of chemistry or chemical engineering in Canada.

Dr. Selim Akl (School of Computing) was recognized by [CS-Can/Info-Can](#), the national computer science academic organization, with a Lifetime Achievement Award for his outstanding and sustained contributions to the field. Dr. Akl pioneered the concept of parallel computation, the use of several computers to solve a problem simultaneously.

Dr. Ahmed Hassan (School of Computing) is the most active software engineering researcher in the world, according to a bibliometric analysis [published recently in the Journal of Systems and Software](#). Of the most active institutions in software engineering research, Queen's University was ranked 7th in the world. In the same study, all but one of the seven Canadians ranked in the top-20 lists of the most active mid-career and early stage researchers trained as graduate students or postdoctoral fellows at Queen's School of Computing. Findings are based on the number of publications in selected venues between 2010-2017.

Funding

Principal Investigator	Department	Project Title	Amount
ASTRA ZENECA CANADA INC. - Sponsorship			
Denis O'Donnell	Medicine	Sponsorship for Kingston CRRN Physiology Summit Meeting (Feb-March 2019)	\$30,000
CIHR-Team Grant			
Susan Phillips	Centre for Studies in Primary Care	Evolving Gender Differences in Health & Care Across Cohorts	\$297,970
MASONIC FOUNDATION OF ONTARIO - Donation			
Elizabeth Kelley	Psychology	Autism Spectrum Disorders Research	\$50,000

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.

Principal Investigator	Department	Project Title	Amount
MITACS-Accelerate			
Vahid Fallah	Mechanical and Materials Engineering	Developing Recrystallization-Resistant AlScZrMn(Mg) Sheets for Automotive Brazing Applications	\$15,000
NSERC - Collaborative Research Development Grants			
Il Yong Kim	Mechanical and Materials Engineering	Multidisciplinary Design Optimization of Pantograph-Catenary Systems (Industry Partner for Cash Contribution: SNC Lavalin Inc., \$126,000)	\$252,000
Hans Peter Loock	Chemistry	Process Control Sensor Systems for Copper Production, ProCuPro (Industry Partner for Cash Contribution: Kingston Process Metallurgy Inc., \$120,000)	\$240,000
Joshua Marshall	Institute For Disruptive Technologies	Off-Road Multivehicle Autonomy for Challenging Outdoor Environments (Industry Partner for Cash Contribution: General Dynamics Land Systems – Canada, \$200,000)	\$400,000
PFIZER - Sponsorship			
Yuka Asai	Medicine	International Food Allergy Consortium (InFAC) Meeting	\$3,000