

# Senate Research Report

October 1, 2019



## *News and Updates*

Women entrepreneurs in and around Kingston will receive increased support with up to \$3.2M in funding for Queen's University from FedDev Ontario. Distributed as part of the [Women Entrepreneurship Strategy \(WES\) Ecosystem Fund](#), the investment will assist Queen's and its partners to design and deliver programs and services to accelerate, train, mentor, and provide resources to women-led companies in the community. Two national research facilities affiliated with Queen's, SNOLAB and Canada's National Design Network, were granted \$12M from the [Canada Foundation for Innovation's Major Science Initiatives](#) (CFI MSI) fund to continue their operations and contributions to leading-edge research.

The [Canadian Institute for Military and Veteran Health Research CIMVHR](#) received [\\$25 million](#), over 10 years, as part of a larger push for Veteran-centric research in the federal Budget 2019. Research done by CIMVHR is used by departmental decision and policy makers, program planners, health managers, clinicians and various stakeholders as they support the physical, mental and social health of Veterans and their families. The Government of Canada's current contribution agreement to fund the operations of CIMVHR with Health Canada ends on March 31, 2020.

In April, more than 70 people – including Queen's scholars, students and community members – attended an [event to celebrate Indigenous research on campus](#), and talk about steps forward for this diverse and engaged group of scholars, as well as ways to enhance collaboration and support activities. The initiative was a collaboration between the Office of Indigenous Initiatives and the Office of the Vice-Principal (Research).

The [Canadian Cancer Trials Group \(CCTG\) has been awarded \\$25 million](#) (more than \$19 million USD) from the U.S. National Institutes of Health (NIH) and the National Cancer Institute (NCI). The only non-American partner to receive direct funding to conduct trials, the monies will allow CCTG to continue its work leading major cancer clinical trials in Canada and develop new large-scale trials under CCTG leadership. CCTG is a cancer clinical trials research cooperative that runs Phase I to III trials to test anti-cancer and supportive therapies at over 85 institutions across Canada and internationally.

2019 marked the first time the Collision Conference was held in Canada. Touted as North America's fastest growing tech conference, Collision boasted five main stages, 700 speakers, 1100 start-ups and over 25,000 attendees. Queen's Office of Partnerships and Innovation (OPI) sponsored the attendance of [Distributed Compute Labs](#) – an emerging Kingston based start-up hoping to revolutionize a novel shared-computing platform, whose CEO had the chance to pitch at the conference.

[Forward Water Technologies has commissioned their first commercial-scale plant in Airdrie, Alberta.](#)

Forward Water was founded by GreenCentre Canada and is rooted on a platform technology discovered at Queen's University. The group has seen support from Bioindustrial Innovation Canada and Sustainable Development Technology Canada, itself with origins at Queen's. Forward Water focuses on the large-scale implementation of its technology in industrial wastewater, oil and gas, mining, agriculture and ultimately municipal water supply and re-use market sectors.

## *Awards and Accolades*

Dr. Will Kymlicka (Canada Research Chair in Political Philosophy) is the recipient of the [2019 SSHRC Gold medal](#) —SSHRC's highest research honour —which is “awarded to an individual whose sustained leadership, dedication and originality of thought have inspired students and colleagues alike”.

[Three researchers were elected to the Fellowship of the Royal Society of Canada](#): Drs Rosa Bruno-Jofré (Education), Margaret Moore (Political Studies) and Kim Nossal (Political Studies). In addition, Dr. Grégoire Webber (Faculty of Law) was elected to the RSC College of New Scholars, Artists, and Scientists.

The [2019 Brockhouse Canada Prize for Interdisciplinary Research](#) has been awarded to Drs Pascale Champagne, Phillip Jessop (Chemistry), Warren Mabee (Canada Research Chair, Geography and Planning) and Michael Cunningham (Chemical Engineering). Given in recognition of their shared investigation of the sustainable use of our natural resources and the development of greener industrial processes to make the products society requires, the prize is accompanied by a \$250k research grant.

Dr. Kevin Deluzio (Dean, Faculty of Engineering) and Dr. Pascale Champagne (Canada Research Chair in Bioresources Engineering, Civil Engineering) have been elected [Fellows of the Canadian Academy of Engineering](#), one of the highest honours accorded to an engineer.

Dr. John Smol (Canada Research Chair in Environmental Change) is the [2019 recipient of the Governor General's Polar Medal](#), given for outstanding service in support of scientific research and/or polar exploration relating to Canada or to Canadian interests.

Wendy Craig (Psychology) was named an [Officer of the Order of Canada](#) for her research on victimization and its impact on youth. She is the co-founder of [PREVNet](#), a national network promoting safe and healthy relationships.

Heather Stuart (Public Health Sciences) was named a [Member of the Order of Canada](#) for her tireless work shedding light on the stigma surrounding mental illness and its impact on recovery.

Dr. Elizabeth Eisenhauer (Kingston Health Sciences Centre) has been [named to the “Stand Up To Cancer Canada Metastatic Breast Cancer Dream Team,”](#) a nationwide initiative to combat the spread of metastatic breast cancer cells. She will be leading one of 14 trials across Canada, a collaboration between the Canadian Cancer Society and the Canadian Institutes of Health Research. The federal government will invest up to \$6M to fund the trials.

Dr. Zsuzsa Csergő (Political Studies) has been awarded a prestigious [Marie Skłodowska-Curie individual research fellowship](#), which honours exceptional interdisciplinary and international collaborations.

Dr. Brian Surgenor (Mechanical and Materials Engineering) has been [elected Fellow of the Engineering Institute of Canada \(EIC\)](#) for his research contributions in machine vision-based inspection and intelligent control systems, and his pioneering work as one of the early educators in the field of mechatronics engineering.

Dr. Bahman Gharesifard (Mathematics and Statistics) [received the CAIMS-PIMS Early Career Award](#) for research in applied mathematics. Dr. Gharesifard's research focuses on the areas of systems and controls and their intersections with a variety of subjects in mathematics.

Dr. Parvin Mousavi (School of Computing) is the recipient of the [2019 IEEE Canada C.C. Gotlieb Computer Award](#), awarded to outstanding Canadian engineers for their important contributions to the field of computer engineering and science.

Dr. Ahmed Hassan (NSERC/RIM Industrial Research Chair in Software Engineering; School of Computing), has been elevated from Member to Fellow by the IEEE in recognition of his outstanding and extraordinary qualifications and experience in systems and software engineering. Dr. Hassan is also the recipient of the 2019 Influential Educator Award from the Association for Computing Machinery Special Interest Group on Software Engineering.

Dr. Thomas Courchene (Emeritus, School of Policy Studies), has been awarded the [2018-2019 Donner Prize](#), for his book Indigenous Nationals, Canadian Citizens: From First Contact to Canada 150 and Beyond.

Dr. Jacalyn Duffin (Emerita, School of Medicine) is the [recipient of the 2019 Genevieve Miller Lifetime Achievement Award](#) from the American Association for the History of Medicine.

Dean Richard Reznick is the recipient of the [2019 Legacy of Leadership award presented by HealthCareCAN](#) at the 2019 National Health Leadership Conference.

Dr. Robert Morrison (English Language and Literature) has been awarded a [British Academy Global Professorship](#) to be held at Bath Spa University beginning September 2019. His projects will focus on the seminal role of Thomas De Quincey in shaping “The Literature of Addiction.”

Dr. Madhuri Koti (DBMS, Obstetrics and Gynecology, Urology) has been awarded the [2019 Mihran and Mary Basmajian Award](#) for Excellence in Health Research.