



Senate Research Report

January 30, 2018

VICE-PRINCIPAL (RESEARCH)

News

Strategic Research Plan Renewal

The Queen's Strategic Research Plan (SRP) is a foundational governing document that supports and guides the institutional research mission. The current iteration of the SRP will conclude at the end of 2017, and is now being updated to reflect the ongoing changes in our priorities. Following consultation broadly across campus, an early draft of the updated SRP has been shared with the [members of the Advisory Writing Committee](#), who will discuss, consult and redraft prior to further dissemination. By the time Senate meets on the 30th, the writing time team will have received draft.

Faculty Writing Retreat

Approximately 60 faculty members attended the Faculty Writing Retreat on Thursday, Dec. 7, at the Donald Gordon Conference Centre. This event is designed for the busy scholar, and offered small group discussions with colleagues from across the university, one-on-one consultations with University Research Services and the Writing Centre, as well as blocks of uninterrupted writing time.

Faculty Recognition and Awards

Dr. Gregory Jerkiewicz (Chemistry) has been awarded the *2018 Eminent Visitor Award* of the Catalysis Society of South Africa (CATSA), aimed to recognize "excellence in catalysis research by overseas scientists."

Kim McAuley (Chemical Engineering) is the first woman to be awarded the *D.G. Fisher Award* by the Canadian Society for Chemical Engineering, in recognition of her major contributions to the systems and control engineering discipline.

Caitlin Miron (PhD candidate, Chemistry) was presented with the *Mitacs PhD Award for Outstanding Innovation* for her work in biochemistry for discovering a DNA binder that can essentially "switch off" cancer cells and prevent them from spreading.

Karen Rudie (Electrical and Computer Engineering) has been named a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) for her "contributions to the supervisory control theory of discrete event systems," and joins a very small group of women to receive the honour (there are currently fewer than 400 women listed among some 10,000 IEEE fellows worldwide).

The internationally-recognized, Canadian Cancer Trials Group (CCTG) at Queen's University, together with the US-based Cancer Research Institute (CRI), announced a multi-year, multi-trial collaboration in January, designed to accelerate the clinical development of new immunotherapy treatments for cancer.

Three Queen's faculty members and a member of the university's Board of Trustees are among the latest appointees to the Order of Canada.

- Professor Emerita Elizabeth Eisenhauer, O.C. (Oncology; former director of the Canadian Cancer Trials Group) was recognized "for her extensive research contributions and leadership within the field of clinical cancer care in Canada."
- Professor R. Kerry Rowe, O.C. (Civil Engineering; former Vice-Principal (Research)) was recognized "for his seminal contributions to the field of geoenvironmental engineering, notably for his pioneering research in waste barrier systems."
- Dr. Paul W. Armstrong, O.C. (Adjunct Professor of Medicine) was recognized "for his contributions to the advancement of cardiology, notably for his pioneering research in acute cardiac care, and for his leadership in health care institutions."
- Kathleen Isabel Pritchard, C.M., a member of the Board of Trustees and a Queen's alumna, was recognized "for her contributions to the treatment of breast cancer in women, notably as a leader of influential national and international clinical trials."

Three Queen's faculty members were among those recognized in the inaugural Mayor's Arts Awards. Professors Armand Garnet Ruffo (English; Languages, Literatures and Cultures) and Matt Rogalsky (Dan School of Drama and Music) received Creator Awards while the Limestone Arts Legacy Award recognized David Kemp, the former head of the Department of Drama at Queen's, who passed away in April.

Professor Rosa Bruno-Jofré (Faculty of Education) and Professor Carlos Prado (Emeritus, Philosophy) were recently named among TD Bank's 10 most influential Hispanic Canadians. The awards recognize Hispanic Canadians who demonstrate influence in education, achievements, volunteerism and/or entrepreneurship.

Research Funding

Researcher	Department	Project Title	Amount
AGE-WELL-NCE			
Munoz, Doug	Centre for Neuroscience Studies	Neurodegenerative Diagnostics Initiative	\$35,000
Canadian Institutes of Health Research			
Castleden, Heather	Geography & Planning	Our ancestors are in our lands, waters and air: Sharing stories about two-eyed seeing in health research for healing, reconciliation and a shared future	\$516,375
Wobeser, Wendy	Biomedical & Molecular Sciences	Recurrent tuberculosis in Canada - translating whole genome sequence insights into best public health practice	\$401,625
Engineering Information Foundation			
Frank, Brian	Electrical & Computer Engineering	Developing interventions for Engineering Communication Development	\$17,020 US
Mitacs			
Piomelli, Ugo	Mechanical & Materials Engineering	COMP1602-Natural Laminar Flow Nacelles Lip in Composite	\$226,667
Vanner, Stephen	Medicine	Turning off the "switch": Preserving the analgesic actions of the endogenous opioid pathway in IBD	\$360,000
NSERC			

Daymond, Mark	Mechanical & Materials Engineering	An optimum membrane and membrane assembly for the filtration of heavy water containing tritiated heavy water	\$220,800
Greenspan, Michael	Electrical & Computer Engineering	Procam transparent correspondence	\$100,000
Kontopoulou, Marianna	Chemical Engineering	Phase I: A novel nucleating and reinforcement additive for bioplastics	\$124,964
Snieckus, Victor	Chemistry	Synthetic methodologies for the construction of novel nucleoside derivatives with potential antiviral and anticancer activity	\$59,064
The Andrew W Mellon Foundation			
Hill, Rosaleen	Department of Art History & Art Conservation	Art Conservation Program curriculum diversification with a focus on Indigenous material culture and modern media, and accessibility through web-based courses.	\$500,000
The Lung Association – Ontario			
O'Donnell	Denis	Mechanisms of positional dyspnea in patients with advanced COPD	\$46,518

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