



VICE-PRINCIPAL (RESEARCH)

Senate Research Report

November 1, 2016

News

The new competition for the [Canada Excellence Research Chairs program](#) was officially announced on October 12. The announcement has emphasized the promotion of women and underrepresented groups within the CERC program. The internal process regarding an upcoming Queen's submission will be communicated in the near future.

The Royal Society of Canada has recognized three Queen's University faculty members in the [College of New Scholars, Artists and Scientists](#) program: Dr. Amir Fam (Civil Engineering), Dr. Parvin Mousavi (School of Computing) and Dr. David Murakami Wood (Sociology).

University Research Services (URS) recently launched a [searchable database of various funding opportunities](#). The tool is one aspect of an overall revamp of the URS website to make the department's services and resources easier to access.

The Office of the Vice-Principal (Research) hosted a [reception](#) on September 21 honouring researchers who obtained first-time funding from federal and provincial agencies, won a research-related award, or received other forms of research recognition.

The second [Art of Research Photo Contest](#) was launched by the Office of the Vice-Principal (Research) on October 6, 2016. Winners will be announced at the end of November.

Dr. P. Andrew Evans was a recipient the American Chemical Society's 2017 [Arthur C. Cope Scholar Award](#) for his research on organic chemistry.

The new [Ontario Molecular Pathology Research Network](#), led by Queen's own Dr. David Lebrun (Pathology & Molecular Medicine), was announced at Queen's on September 29. The Ontario Institute for Cancer Research will invest \$3.7 million into this innovative network.

Dr. Arthur McDonald (Physics, Engineering Physics and Astronomy) was awarded the [Order of Nova Scotia](#).

Research Funding

Researcher	Department	Project Title	Amount
Associated Medical Services (AMS)/Nova Scotia Health Research Foundation			
Duffin, Jacalyn	History of Medicine	Canadian medical expedition to Easter Island, 1964-65	\$8,740
CIHR – Partnerships for Health System Improvement (PHSI)			
Brooks, Steven	Emergency Medicine	Evaluating the PulsePoint Mobile Device Application to increase bystander resuscitation for victims of sudden cardiac arrest	\$375,000
CIHR – Project Grant			
Campbell, Robert	Ophthalmology	Comparative safety of aflibercept and ranibizumab in the treatment of retinal diseases	\$110,000
Ghasemlou, Nader	Anesthesiology and Perioperative Medicine	Cellular and molecular mechanisms of inflammatory pain	\$100,000
Gilron, Ian	Anesthesiology and Perioperative Medicine	PAin Improvement with Novel Combination Analgesic REgimens: The PAIN-CARE Trial	\$477,812
Yang, Xiaolong	Pathology and Molecular Medicine	Exploring the role of the Hippo pathway in lung cancer	\$753,035
Cancer Research Society			
Greer, Peter	Pathology & Molecular Medicine	Arpin: A novel regulator of actin branching and directional cell migration as a potential therapeutic target in breast cancer	\$120,000
Crohn's & Colitis Foundation of Canada Grant-in-Aid			
Vanner, Stephen	Medicine	Turning off the "switch": preserving the analgesic actions of the endogenous opioid pathway in IBD	\$355,000

Mitacs – Globalink			
Dumont, Eric	Biomedical and Molecular Sciences	The neurobiology of anorexia nervosa: integrating cellular mechanisms into brain circuits.	\$5000 (Campus France)
Levesque, Lucie	School of Kinesiology and Health Studies	Facilitators and barriers to knowledge translation for diabetes management in Mexican health units	\$5,000
Lyon, David	Sociology	National ID systems and techniques of population control: The development of surveillance-assisted political economy from colonial to neoliberal times in Japan	\$5,000
Mitacs – Accelerate			
Boegman, Leon	Civil Engineering	Development of a numerical wave uprush prediction tool for the Cataraqui Region Conservation Authority Lake Ontario and St. Lawrence River shoreline - Phase 2	\$15,000
Friesen, Vicki	Biology	Development of colony-specific genetic markers for murrelets hunted off Newfoundland and Labrador	\$60,000
McKinnon, Stephen	The Robert M. Buchan Department of Mining	Geological controls on strainburst risk in deep mining drifts	\$75,000
Morelli, Jordan	Physics, Engineering Physics and Astronomy	Spatial and temporal linear induction motor harmonics	\$67,500
NSERC – Collaborative Research and Development Grant			
Maslove, David	Medicine	Powering clinical trials research through a secure and integrated data management platform	\$166,666
NSERC – Engage			

Docoslis, Aristides	Chemical Engineering	Environmentally friendly and scalable production of multi-layered graphene from graphite	\$24,900
Kontopoulou, Marianna	Chemical Engineering	An examination of the role of processing variables upon the particulate morphology/distribution in a two phase mixing process	\$24,500
Ontario Institute for Cancer Research			
Lebrun, David	Cancer Biology & Genetics	Ontario Molecular Pathology Research Network Leader Allowance Award	\$75,000
Ontario Society of Occupational Therapists			
Donnelly, Catherine	School of Rehabilitation Therapy	The scope of occupational therapy practice in primary care	\$10,000
Ontario Thoracic Society/Ontario Lung Association			
Lougheed, Diane	Medicine	Validation of the work-related Asthma Screening Questionnaire - Long version (WRASQ(L))	\$48,586
Ormiston, Mark	Biomedical and Molecular Sciences	Examining the impact of endothelial BMPR2 loss on immune dysfunction in the pathogenesis of pulmonary arterial hypertension	\$48,586
Prostate Cancer Canada			
Koti, Madhuri with co-PI R. Siemens	Biomedical and Molecular Sciences	PTEN regulated interferon pathways as novel therapeutic targets in prostate cancer	\$198,000
SSHRC – Knowledge Synthesis Grant			
Davies, Claire with co-PI E. DeLarosa	Mechanical and Materials Engineering	The impact of emerging technology on developing and accessing assistive technology	\$24,785
SSHRC – Connection Grant			

Haklai, Oded	Political Studies	Territorial disputes and population movements by design	\$17,720
MacDonald, Eleanor	Political Studies	The politics of borders and belonging at home and abroad: an interdisciplinary graduate student conference	\$7,000
Moore, Margaret	Political Studies	Territorial rights: new directions and challenges	\$19,997
von Hlatky, Stéfanie	Political Studies	Countering violent extremism and terrorism: assessing Canada's domestic and international strategies	\$25,000
SSHRC – Insight Grant			
Bongie, Christopher	English	Phoenix rising: race, literacy, and the emergence of early Haitian literature, 1804-1825	\$68,499
Head, Allen with co-PI B. Lapham	Economics	Market power, demand fluctuations and trade in a service-based economy	\$140,759
Hoeniger, Cathleen	Art History and Art Conservation	Of monuments and men: the salvage and restoration of Italian fresco cycles during and after WWII 1942-60	\$58,850
Hovorka, Alice	Geography and Planning & School of Environmental Studies	Animal governance in Botswana and Canada	\$252,863
Kay, Fiona	Sociology	Employment transitions among professionals at late career stage: career paths early attrition and bridges to retirement	\$168,079

Kolsarici, Ceren	Smith School of Business	Optimal allocation of advertising resources in multiproduct firms	\$110,965
Laforest, Rachel	School Policy Studies	What works: understanding variation in provincial poverty reduction strategies	\$117,387
McKittrick, Katharine	Gender Studies	The revolutionary demand for happiness: reimagining the aesthetic science of black life	\$159,709
Power, Elaine with co-PIs M. Little, P. Collins	School of Kinesiology and Health Studies	How can Canadian municipalities enhance the right to food	\$180,551
Reeve, Matthew	Art History and Art Conservation	Casa Loma: modernity, millionaires and medievalism in twentieth-century Toronto	\$68,721
Robinson, Darryl	Faculty of Law	The faltering law of crimes against humanity: better theory for better law	\$91,324
Sun, Hongfei	Economics	Foreclosures, mortgage standards and housing liquidity	\$113,845
Thiele, Veikko	Smith School of Business	The economic role of angel investors: theory and evidence	\$90,518