

# Senate Research Report

November 28, 2017

## News



### *2018 QROF and SIG Competitions*

The Office of the Vice-Principal (Research) has launched the 2017-2018 Queen's Research Opportunities Funds (QROF) and the Social Sciences and Humanities Research Council Institutional Grant (SIG) competitions, open to researchers and scholars at Queen's University. [Deadlines for letters of intent for both competitions can be found on the OVPR website.](#)

### *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. Consultation thus far has included submissions from each Faculty Dean on priority and emerging research strengths, ongoing sessions with Faculty and departmental groups (with more to occur over the next several weeks), and engagement with the AMS and SGPS executives. The next stage is to produce a draft to be reviewed by an [advisory writing team](#) who will discuss, consult and redraft prior to further dissemination. Subsequent to the advisory writing team review, a draft will then be shared with the Senate Advisory Research Committee and then Senate; Senate approval will be sought in the 2017-18 academic year.

## **Faculty Recognition and Awards**

The Canadian Cancer Research Alliance (CCRA) has recognized Professor Emerita Elizabeth Eisenhauer with its award for Exceptional Leadership in Cancer Research for her preeminent work in the field of cancer clinical trials, cancer treatment and drug delivery, and cancer research strategy and development. Dr. Eisenhauer, renowned for her research in ovarian cancer, malignant melanoma, and malignant brain tumours, is one of only six recipients who were formally presented with CCRA awards at the organization's biennial scientific conference.

Spanning disciplines across Queen's university, the 2017 Prizes for Excellence in Research recipients include:

- Sam McKegney (English) – Humanities
- Liying Cheng (Faculty of Education) – Social Sciences
- Cathleen Crudden (Chemistry) – Natural Sciences
- Pascale Champagne (Civil Engineering) – Engineering
- Denis O'Donnell (Medicine) – Health Sciences

Kelly Suschinsky (Psychology), a post-doctoral fellow at Queen's University, has been awarded one of the top awards in Canada for women working in the scientific research field, a L'Oréal-UNESCO 2017 Excellence in Research Fellowship, to support major post-doctoral research projects.

### **Research Funding**

<b>Researcher</b>	<b>Department</b>	<b>Project Title</b>	<b>Amount</b>
<b>Canada Research Chair (CRC)</b>			
Champagne, Pascale	Civil Engineering	Canada Research Chair in Bio resource Engineering	\$500,000
Kymlicka, Will	Philosophy	Canada Research Chair in Political Philosophy	\$1,400,000
Mabee, Warren	Geography & Planning	Canada Research Chair in Renewable Energy Development and Implementation	\$500,000
Nielsen, Morten	Economics	Canada Research Chair in Time Series Econometrics	\$500,000
Rowe, Kerry	Civil Engineering	Canada Research Chair in Geotechnical and Geoenvironmental Engineering	\$1,400,000
<b>Canadian Allergy, Asthma and Immunology Foundation – Research Grant</b>			
Ellis, Anne	Medicine	FaCES – Filaggrin and the Cutaneous Environment Study	\$25,000
<b>CFI – Innovation Fund</b>			
Hughes, Stephen	Physics, Engineering Physics & Astronomy	Nanophotonics Research Centre	\$2,889,550
Noble, Tony	Physics, Engineering Physics & Astronomy	PICO-500 A New Ultra-Sensitive Dark Matter Detector for SNOLAB	\$1,868,542

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CFI – John R. Evans Leaders Fund			
Rowe, Kerry	Civil Engineering	Long-term performance of geosynthetic barrier systems for underground protection	\$316,000
Mitacs – Globalink Research Award Abroad			
Levesque, Lucie	School of Kinesiology & Health Studies	Youth Usage of Comude Sports Units in Guadalajara, Mexico – A Reid	\$5,000
Mitacs – Accelerate			
Milev, Roumen	Psychiatry	Probiotics Alleviating Depressive Symptoms (PADS)	\$90,000
National Multiple Sclerosis Society – Pilot Research Grant			
Ghasemlou, Nader	Medicine	Circadian control of pain in multiple sclerosis	\$38,625
NSERC – Strategic Grant			
Moore, Ian	Civil Engineering	Pipe liner evaluations and connection studies (PipeLEACS)	\$590,100
Mumford, Kevin	Civil Engineering	Impacts of stray gas migration on shallow groundwater: insights from laboratory experiments and numerical modelling	\$537,475
Smol, John	Biology	New assessment tools combining forensic paleolimnology, biotransport, and predictive modelling to determine potential impacts of mink farming in rural Nova Scotia	\$520,000
Zulkernine, Mohammed	School of Computing	Secure cloud computing for connected vehicles	\$535,500
NSERC – CRD			

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Liu, Guojun	Chemistry	Improvement of NP-GLIDE coatings and development of anti-fouling coatings	\$240,002
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Ontario Lung Association – Research Grant			
Ellis, Anne	Medicine	Allergic and respiratory outcomes of the Kingston Allergy Birth Cohort (KABC) – The interplay between epigenetics, outdoor air pollution and environmental chemicals	\$44,829
Ontario Society of Occupational Therapists – Research Grant			
Marshall, Carrie	School of Rehabilitation Therapy	Generating a tool to guide the practice of Occupational Therapists supporting homeless & formerly homeless persons in the mental health & social services sector in Ontario	\$10,000
SSHRC – Insight Grant			
Baron, Stephen	Sociology	Street youth, criminogenic social schemas, and crime	\$137,471
Bartels, Susan	Emergency Medicine	Peace babies in the Democratic Republic of Congo	\$316,743
Chan, Yolande	Smith School of Business	Digital innovation in university incubators and startups	\$194,398
Colivicchi, Fabio	Classics	The beginnings of Roman imperialism : Caere and Rome	\$100,000
Cotton, Christopher	Economics	To whom should we donate: Understanding project selection and coordination problems in charitable giving and crowdfunding with heterogeneous donors and communication	\$116,924

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Dacin, Peter	Smith School of Business	Institutions, movements and emotions: re-building local food	\$195,980
Dudley, Evan	Smith School of Business	How will automated lenders change the market for lending	\$84,971
Epprecht, Marc	Global Development Studies	Development, environment and gender in Msunduzi, 1954–2016: A South African secondary city in comparative perspective	\$329,298
Essert, Christopher	Faculty of Law	Property law in the society of equals	\$85,240
Khimji, Mohamed	Faculty of Law	Shareholder democracy in public corporations – an empirical and economic Analysis	\$155,305
Litrico, Jean-Baptiste	Smith School of Business	The role of audiences for the evolution of organizational purpose and identity transitions	\$124,760
Masuda, Jeff	Kinesiology & Health Studies	The “right to remain” of single room occupancy dwellers in Vancouver’s downtown Eastside	\$236,767
McDonald, David	Global Development Studies	Remunicipalization: The future of water services	\$181,909
Morehead, Allison	Art History	Edvard Munch, modernism, and medicine	\$159,334
Nielsen, Morten	Economics	Improved econometric methods for heteroskedastic time series	\$123,805

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Soederberg, Susanne	Global Development Studies	Governing access to housing microfinance: A comparative study of Manila and Mexico City	\$98,460
Wang, Wei	Smith School of Business	Redeployment of intellectual properties in corporate bankruptcy	\$70,070
SSHRC – Insight Development Grant			
Bolden, Ben	Faculty of Education	Building Creative Capacity through Assessment for Learning in the Arts	\$59,972
Davies, Claire	Mechanical & Materials Engineering	Building better together: Meeting the needs of assistive technology users within an educational environment	\$66,000
Grant, J. Andrew	Political Studies	Silver bullet’ or ‘flash in the pan’? Analyzing the emergence of the Arms Trade Treaty	\$31,547
Henderson, Gail	Faculty of Law	This Little Piggy Went Banking: Examining Potential Conflicts of Interest in Financial Literacy Education Resources for Elementary School Teachers	\$67,114
Mollers, Norma	Sociology	Cybersecurity and the making of ‘digital territory’	\$57,391
Parsons, Trisha	School of Rehabilitation Therapy	Narrative practice as research method in disability studies: A pilot study	\$66,383
Tomasone, Jennifer	School of Kinesiology & Health Studies	An Exploration of Quality Participation within an Assisted Recreational Program	\$70,267

SSHRC – Partnership Development			
Bartels, Susan	Emergency Medicine	Peacekeeper fathered children in Haiti	\$199,930
DeLuca, Christopher	Faculty of Education	Preparing teachers for the age of accountability: An international partnership for enhancing teacher education in assessment	\$199,950