

Senate Research Report

January 27, 2015

News

Peter Milliken (School of Policy Studies, Fellow), the longest serving Speaker of the House and former MP for Kingston and the Islands, was recently appointed an Officer of the Order of Canada.

Prime Minister Stephen Harper recently announced \$1.5 billion in new funding to promote excellence within the U15 Group of Canadian Research Universities. The Canada First Research Excellence Fund (CFREF) will position Canada's post-secondary institutions to compete with the best research universities in the world for leading scholars and students, and will generate breakthrough discoveries.

Five researchers have been honoured for their outstanding work with the Queen's University Prizes for Excellence in Research:

- Dr. Glenville Jones (Biomedical and Molecular Sciences)
- Dr. Christine Overall (Philosophy)
- Dr. Ian Moore (Civil Engineering)
- Dr. John Kirby (Faculty of Education)
- Dr. Stephen Hughes (Physics, Engineering Physics and Astronomy)

Recipients were recognized at fall convocation, and will deliver public lectures in the Spring.

Dr. Karen Hall Barber (Family Medicine), physician lead of the department's multidisciplinary Queen's Family Health Team (QFHT), was recently recognized as an Individual Champion "Honour Roll Applicant" in the competition for the 2014 Minister's Medal Honouring Excellence in Health Quality and Safety.

Dr. Randy Ellis (School of Computing) was named a Fellow of the Institute of Electrical and Electronics Engineers (IEEE) for his significant contributions to the development of computer-assisted surgical technology.

Mr. Andrew Graham (School of Policy Studies) recently was honoured with the Alan G. Ross Award for Writing Excellence from the Financial Management Institute of Canada. The award is given for the best article published in the *fmi-igf Journal* – Canada's leading magazine for public sector professionals involved in financial management.

Dr. Andrew Pollard (Mechanical and Materials Engineering) has been elected a Fellow in the American Physical Society for his research contributions in the field of fluid dynamics.

The Queen's-based Canadian Institute for Military and Veteran Health Research (CIMVHR) has received a \$10 million funding boost from Health Canada and the True Patriot Love Foundation. The announcement was made by the Honourable Rona Ambrose, Minister of Health, along with the Vice-Chair of the True Patriot Love Foundation, Michael Burns, at CIMVHR's annual forum in November.

The Tri-Council of Canada (Canadian Institutes of Health Research, Natural Sciences and Engineering Research Council, Social Sciences and Humanities Research Council) recently announced the release of *TCPS 2 (2014)* – the revised version of the second edition of the *Tri-Council Policy Statement: Ethical Conduct for Research Involving Humans*. *TCPS 2 (2014)* replaces *TCPS 2 (2010)* as the official human research ethics policy of the agencies. The three core principles – respect for persons, concern for welfare, and justice – continue to be the foundation of the policy. The *TCPS (2014)*, as well as a document detailing the changes to the policy, can be found on the website of the [Interagency Advisory Panel on Research Ethics](#).

Research Funding

Researcher	Department	Project Title	Amount
Mitacs: Accelerate Graduate Research Internship			
McAuley, Kim	Chemical Engineering	Mathematical Modelling of Coke Formation in Thermal Cracking Units. Industry Partner: NOVA Chemicals, \$14,333	\$90,000
Mitacs: Globalink Research Award			
Tayade, Chandrakant	Biomedical and Molecular Sciences	Cytokine profile in women with cervical insufficiency. Industry Partner contribution: \$5,000	\$5,000
Natural Sciences and Engineering Research Council: Collaborative Research and Development Grant			
Blostein, Steve	Electrical and Computer Engineering	Next generation cellular WiFi integration Industry partner: Ericsson Canada Inc., \$30,800	\$61,600
Green, Mark	Civil Engineering	Fire Resistance Behaviour of FRP Reinforced Concrete Slabs. Industry Partner: Pultrall Inc. and BP Automation, \$20,800	\$41,600

Guay, Martin	Chemical Engineering	Real-time optimization for performance and efficiency in manufacturing systems Industry partner: Suncor Energy Inc., Praxair Inc (U.S.), OCE Inc., Johnson Controls Canada LP, Alberta Innovates - Technology Futures, \$160,514	\$128,486
Tayade, Chandrakant	Biomedical and Molecular Sciences	Stimulation of litter size using an immunestimulant in commercial swine Industry partner: Ontario Pork, \$100,000	\$100,000
Natural Sciences and Engineering Research Council: Engage Grant			
Guay, Martin	Chemical Engineering	Extremum-seeking control for power consumption minimization in gas liquifiers Industry partner: Praxair Canada, \$4,000	\$25,000
Kontopoulou, Marianne	Chemical Engineering	Development of nucleated polylactic acid formulations for packaging applications	\$25,000
Natural Sciences and Engineering Research Council: Interaction Grant			
Cunningham, Michael	Chemical Engineering	Surface chemistry and dispersibility of unique cellulose nanocrystals (CNC)	\$4,100
Social Sciences and Humanities Research Council: Aid to Scholarly Journals			
Krull, Cathie	Sociology	Canadian Journal of Latin American and Caribbean Studies	\$40,800
Murakami Wood, David	Sociology	Surveillance & Society	\$89,250
Social Sciences and Humanities Research Council: Partnership Award			
Craig, Wendy	Psychology	Impact Award	\$50,000

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.