

Senate Research Report

March 27, 2012

Research Funding

External Awards:

Bell Canada: The Bell Mental Health and Anti-Stigma Research Chair

Bell Canada and Queen's University have announced a world-first with the establishment of a new \$1-million research initiative to help fight stigma associated with mental illness. Dr. Heather Stuart (Community Health and Epidemiology) is the inaugural Bell Mental Health and Anti-Stigma Research Chair. The Chair will enable Queen's Faculty of Health Sciences to advance its anti-stigma research, scholarship, and outreach programs.

Canada Council for the Arts:

Killam Research Fellowship

- Dr. Kerry Rowe (Civil Engineering) received \$140,000 for the project entitled, *Long-term Performance of Landfill Systems: Protecting Future Generations from Contaminants of Concern*.
- Dr. Suning Wang (Chemistry) received \$140,000 for the project entitled, *Blue Phosphorescent Metal Compounds for High Efficiency Organic Light Emitting Devices*.

Canadian Institute for Advanced Research (CIFAR)

- Dr. Mark Chen (Physics, Engineering Physics and Astronomy) received \$5,000 for the project entitled, *CIFAR Cosmology and Gravity Program Fellow Research Support*.

Canadian Institute of Health Research (CIHR):

Dissemination Events

- Dr. Harriet Richardson (Community Health and Epidemiology) received \$25,000 for the project entitled, *Cancer Clinical Trial Accrual*.

Canadian Institute of Health Research (CIHR):

Knowledge Translation Supplement

- Dr. Sanjay Sharma (Ophthalmology) received \$ 70,325 for the project entitled, *Optocase: Impact of Diabetic Retinopathy on Quality of Life and New Guidelines for Optometrists to Classify and Refer*.

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 the Faculties.

- Dr. Sanjay Sharma (Ophthalmology) received \$83,110 for the project entitled, *The Importance of Getting the Flu Shot – Online Video KT*.

**Canadian Institute of Health Research (CIHR):
Operating Grant**

- Dr. Brian Amsden (Chemical Engineering) received \$449,496 over 5 years for the project entitled, *Injectable Formulations for Growth Factor Delivery*.
- Dr. Andrew Craig (Biomedical and Molecular Sciences) received \$706,058 over 6 years for the project entitled, *Roles of F-BAR Proteins in Lung Cancer Progression and Metastases*.
- Dr. Eric Dumont (Anaesthesiology) received \$517,834 over 5 years for the project entitled, *Neural Mechanisms of Compulsive Drug Use: a Multi-approach Study of the Bed Nucleus of the Stria Terminalis*.
- Dr. Randy Flanagan (Psychology) received \$711,015 over 5 years for the project entitled, *Sensorimotor Control Processes Underlying Object Manipulation Tasks*.
- Dr. Lauren Flynn (Chemical Engineering) received \$423,928 over 5 years for the project entitled, *Engineering Adipogenesis for Soft Tissue Regeneration*.
- Dr. Charles Graham (Biomedical and Molecular Sciences) received \$599,147 over 6 years for the project entitled, *Role of Material Inflammation in the Pathophysiology of Intrauterine Growth Restriction and Pre-eclampsia*.
- Dr. Charles Graham (Biomedical and Molecular Sciences) received \$443,733 over 3 years for the project entitled, *Mechanisms of Hypoxia-induced Immune Escape in Cancer and their Regulation by Nitric Oxide*.
- Dr. Patti Groome (Community Health and Epidemiology) received \$413,621 over 4 years for the project entitled, *Understanding Diagnostic Episodes of Care in Patients with Early versus Late Cancers*.
- Dr. Daren Heyland (Community Health and Epidemiology) received \$190,437 over 3 years for the project entitled, *DECISION-making about goals of care for hospitalized meDical patiEnts: a multicentre, mixed-methods study. The DECIDE study*.

- Dr. Ralph Meyer (NCIC Clinical Trials Group) received \$2,203,332 over 6 years for the project entitled, *Randomized Trial Comparing Radical Hysterectomy and Pelvic Node Dissection versus Simple Hysterectomy and Pelvic Node Dissection in Patients with Low Risk Cervical Cancer Defined as Lesions Measuring Less than 2 cm with Less than 50% Stromal Invasion*.
- Dr. Kanji Nakatsu (Biomedical and Molecular Sciences) received \$582,932 over 6 years for the project entitled, *Design of Selective Heme Oxygenase-2 Inhibitors and Activators Developing Pharmacological Tools*.
- Dr. Christopher O'Callaghan (Community Health and Epidemiology) received \$1,690,827 over 8 years for the project entitled, *A Randomized Phase III Trial of Preoperative Chemoradiotherapy vs Preoperative Chemotherapy for Resectable Gastric Cancer*.
- Dr. Xiaolong Yang (Pathology and Molecular Medicine) received \$743,125 over 6 years for the project entitled, *The roles of Hippo Pathway in Non-small Cell Lung Cancer*.

**Canadian Institute of Health Research (CIHR):
Planning Grants**

- Dr. Ralph Meyer (NCIC Clinical Trials Group) received \$24,525 for the project entitled, *Future NCIC Clinical Trials Group Activities in Oncologic Translational Research Addressing Strategies in Personalized Medicine*.

Lafarge

- Dr. Andrew Pollard (Mechanical and Materials Engineering) received \$5,000 for the project entitled, *Review use of Railway ties for Combustion*.

**Natural Sciences and Engineering Research Council of Canada (NSERC):
Strategic Network**

- Dr. Stephen Harrison (Mechanical and Materials Engineering) received \$30,000 for the project entitled, *Smart Net-Zero Energy Buildings Strategic Research Network (SNEBRN)*.

Networks of Centres of Excellence (NCE):

AUTO21

- Dr. Bradley Diak (Mechanical and Materials Engineering) received \$46,776 over 2 years for the project entitled, *Tailor-Welded-Blank Based Mg Alloy Manufacturing for Structural Automotive Parts*.

Networks of Centres of Excellence (NCE):

Knowledge Mobilization Initiative

- Dr. Wendy Craig (Psychology) received \$1,600,000 over 4 years for the project entitled, *Promoting Relationships and Eliminating Violence Network (PREVNet)*.

MITACS:

Accelerate Grant

- Dr. Brian Surgenor (Mechanical and Materials Engineering) received \$15,000 for the project entitled, *Design and Testing of a Novel System for In-Situ Die Lubrication*.

Ontario Centres of Excellence (OCE):

Connections Program

- Dr. David Strong (Mechanical and Materials Engineering) received \$43,349 for the project entitled, *APSC 480 Multidisciplinary Design Project*.

Proctor and Gamble:

Higher Education Grant

- Dr. Jill Scott (Languages, Literatures and Cultures) received \$5,000 for the project entitled, *MircoWriting: On-line Peer-learning Communication Development*.

Social Sciences and Humanities Research Council:

Aid to Research Workshops and Conferences

- Dr. Kim Nossal (School of Policy Studies) received \$22,415 for the workshop entitled, *Dealing with Conflict in Africa: The United Nations and Regional Organizations*.

- Dr. Mark Sabbagh (Psychology) received \$34,036 for the conference entitled, *Rethinking Cognitive Development: The 2012 Jean Piaget Society*.
- Dr. Melanee Thomas (Political Studies) received \$24,993 for the workshop entitled, *Mothers and Others: Understanding the Impact of Family Life on Politics*.