

Senate Research Report ***March 24, 2011***

Awards and Honours

Canada Council for the Arts: Killam Research Fellowship

Dr. Zongchao Jia (Biochemistry) received \$140,000 over two years of release time for his project entitled "*Structural studies of a bifunctional kinase/phosphatase AceK and its applications in water-borne disease suppression and biotechnology*".

Dr. W. George Lovell (Geography) received \$140,000 over two years of release time for his project entitled "*Enduring conquest: a cultural history of the Guatemalan Maya*".

Canadian Society for Chemistry (CSC): Clara Benson Award Recipient

Dr. Cathleen Crudden (Chemistry) is the recipient of the 2011 Clara Benson Award, which is presented annually to a woman who has made distinguished contributions to chemistry while working in Canada.

Queen's School of Business Research Excellence Awards for 2010:

Research Achievement

Dr. Yuri Levin (School of Business), whose research focuses on dynamic pricing and revenue management with particular interest in consumer behaviour in an age of information and social networking, received the Queen's School of Business Research Achievement Award.

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New Researcher Achievement Award

Dr. Jean-Paul Roy (School of Business) received the Queen's School of Business New Researcher Achievement Award for his research on international strategic alliances, social networking and cross-cultural management.

Society of Tribologists and Lubrication Engineers: Captain Alfred E. Hunt Award

Dr. Guojun Liu (Chemistry) has received the Captain Alfred E. Hunt Memorial Award for his paper on the subject of using nanotechnology to reduce friction in automobile engines and other machines promoting energy efficiency.

Research Funding

Canadian Institutes of Health Research (CIHR):

Operating Grant

- Dr. Inka Brockhausen (Biochemistry, Medicine) and Dr. Walter Szarek (Chemistry, Emeritus) received \$389,135 over five years for their project entitled "*O-antigen synthesis in intestinal pathogens*".
- Dr. Stephen Hall (Otolaryngology, Oncology), Dr. Patti Groome (Community Health and Epidemiology, Oncology) and Dr. Dongsheng Tu (Community Health and Epidemiology, Mathematics and Statistics) received \$590,526 over four years for their project entitled "*Is the improvement in survival for HPV associated head and neck cancer due to the addition of chemotherapy to radiotherapy or to a more treatment-sensitive cancer?*"
- Dr. Neil Magoski (Physiology) received \$666,167 over five years for his project entitled "*Long-term regulation of neuronal excitability and output*".

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- Dr. Alan Mak (Biochemistry) received \$727,005 over five years for his project entitled *"The tumor suppressors, p53 and PTEN, are also suppressors of vascular smooth muscle cell migration and invasion"*.
- Dr. Douglas Munoz (Physiology, Centre for Neuroscience Studies, Medicine, Psychology) received \$897,750 over five years for his project entitled *"Understanding the neuronal circuitry controlling voluntary and automatic saccade generation"*.
- Dr. Martin Paré (Physiology, Centre for Neuroscience Studies, Psychology) received \$984,341 over five years for his project entitled *"Perception of audiovisual communication signals"*.
- Dr. William Pickett (Community Health and Epidemiology, Emergency Medicine) Dr. Robert Brison (Community Health and Epidemiology, Emergency Medicine, Family Medicine), and Mr. Andrew Day (Community Health and Epidemiology) received \$1,061,898 over five years for their project entitled *"Saskatchewan farm injury cohort study: phase 2"*.
- Dr. Joan Tranmer (School of Nursing, Community Health and Epidemiology), Dr. Kristan Aronson (Community Health and Epidemiology, Environmental Studies), Mr. Andrew Day (Community Health and Epidemiology), Dr. Ian Janssen (School of Kinesiology and Health Studies, Community Health and Epidemiology) and Dr. Linda McGillis Hall (Adjunct - School of Nursing) received \$357,048 over four years for their project entitled *"Shift work and cardiovascular risk in working women: a process model linking physiological, behavioural and social pathways"*.
- Dr. Stephen Vanner (Gastroenterology, Biology, Physiology, School of Medicine) received \$741,723 over five years for his project entitled *"Mechanisms sustaining abnormal peripheral sensory signaling in the abdomen in a model of post-infectious IBS: a dynamic interplay of peripheral and central factors"*.
- Dr. Louise Winn (Pharmacology and Toxicology, Environmental Studies) received \$688,118 over five years for her project entitled *"Mechanisms of in utero-initiated benzene toxicity"*.
- Dr. Shetuan Zhang (Physiology) received \$698,426 over five years for his project entitled *"Endocytic degradation of hERG potassium channels in cardiac function and disease"*.

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Team Grant

- Dr. Rosemary Jolly (English, School of Kinesiology and Health Studies), Dr. Stevenson Fergus (School of Kinesiology and Health Studies, Community Health and Epidemiology) and Dr. Alan Jeeves (History, South African Research Centre) received \$10,000 to develop their full proposal entitled *“A two-pronged service and community mobilization intervention to reduce gender-based violence and HIV vulnerability in rural South Africa”*.

International Development Research Centre (IDRC):

- Dr. Karen Dubinsky (Global Development Studies, History) received \$1,000 towards Queen’s University International Development Week for her project entitled *“The world of Canadian mining”*.

MITACS:

Accelerate Internship Program

- Dr. Gabor Fichtinger (School of Computing, Electrical and Computer Engineering, Mechanical and Materials Engineering, Surgery) received \$40,000 for his graduate student, Thomas Kurian Chen, for his project *“Intraoperative ultrasound calibration for prostate cancer brachytherapy”*.
- Dr. Timothy McKenna and Dr. Robin Hutchinson (Chemical Engineering) received \$40,000 for their postdoctoral fellow, Dr. Niels Smeets, and their graduate student, Jordon Pohn, for their project *“Innovative coagulator design for the production of advanced composite materials”*.

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

Collaborative Research and Development Grant

- Dr. Kurt Kyser (Geological Science and Geological Engineering, Environmental Studies) received \$315,000 over three years for his project entitled *“Exploration geochemistry for deep uranium deposits”*.

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Discovery Frontiers – Northern Earth System Research Travel Grant

- Dr. Peter Boag (Biology) received \$15,000 to develop his full proposal for the project entitled *“What will an open Northwest Passage mean to arctic ecosystems and peoples?”*

Engage Grants Program

- Dr. Ahmad Afsahi (Electrical and Computer Engineering) received \$25,000 for his project entitled *“Efficient and scalable collective communications for the Message Passing interface”*.

NeuroDevNet:

Opportunities Initiative Project Award

- Dr. Elizabeth Kelley (Psychology, Centre for Neuroscience Studies) and Dr. Daryl Wilson (Psychology, Centre for Neuroscience Studies) received \$150,000 over two years for their project entitled *“Adaptive training of cognitive function in ASD, FASD, and ADHD”*.

Tri-Council – Interagency Secretariat on Research Ethics:

- Dr. Denise Stockley (Centre for Teaching and Learning, Faculty of Education) received \$69,750 over fifteen months for her project entitled *“Evaluating the efficacy of the education and training program for the Tri-Council policy statement (TCPS-2)”*

Research Conferences and Projects

Queen’s 2010 Excellence in Research Public Lectures:

The Queen’s 2010 Excellence in Research Public Lectures took place on Wednesday, March 16th, 2011 from 7:00-8:00pm in Stirling Hall, Auditorium B. These lectures were given by the recipients of the 2010 Queen’s University Prizes for Excellence in Research. Dr. Roland Speicher (Mathematics and Statistics) presented his lecture entitled, *“The Unreasonable Effectiveness of Mathematics”* and Dr. Philip Jessop (Chemistry) presented his lecture entitled, *“Can Chemistry be Green?”*

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