

Senate Research Report

October 30, 2012

Awards and Honours

Dr. Mala Joneja (Medicine) has been awarded one of seven inaugural Associated Medical Services (AMS) Phoenix Fellowships. The AMS Phoenix Project is based on the premise that health professionals provide the best care when they are able to balance human compassion and technical expertise.

Dr. Anne Croy (Biomedical and Molecular Sciences) was recently inducted into the Canadian Academy of Health Sciences (CAHS). CAHS fellows are individuals who have a history of outstanding performance in the academic health sciences in Canada and who are recognized by their peers nationally and internationally for their contributions to the field. Dr. Croy has had a major impact on the understanding of maternal and infant health through her studies of changes in the immune and cardiovascular systems during pregnancy.

Dr. Art Cockfield (Law) and Dr. Sari Graben (Arctic Studies Fellow in the Queen's Institute for Energy and Environmental Policy) have earned prestigious Fulbright Visiting Research Chairs for the 2012-13 academic year. The Fulbright Program aims to encourage cross-border collaborations and scholarly exchanges. Dr. Cockfield will spend five months at the University of Texas at Austin, and Dr. Graben will spend a term at the University of Washington.

Canada Research Chairs

Six Queen's professors have been named Canada Research Chairs (CRC). Tier 1 Chairs are recognized by their peers as world leaders in their respective fields, while Tier 2 Chairs are recognized as emerging leaders in their research areas.

- **Pascale Champagne** (Civil Engineering) – Tier 2 CRC in Bioresources Engineering
- **Andrew Evans** (Chemistry) – Tier 1 CRC in Organic and Organometallic Chemistry
- **Warren Mabee** (Geography/School of Policy Studies) – Tier 2 CRC in Renewable Energy Development and Implementation
- **Morten Nielsen** (Economics) – Tier 2 CRC in Time Series Econometrics
- **Mark Rosenberg** (Geography) – Tier 1 CRC in Development Studies
- **Ying Zou** (Electrical and Computer Engineering) – Tier 2 CRC in Software Evolution

Research Funding

External

Canada Foundation for Innovation: Leaders Opportunity Fund

- Dr. Andrew Evans (Chemistry) received \$400,000 for the project entitled, *New Metal-Catalyzed Allylic Substitution and Higher-Order Carbocyclization Reactions*.
- Dr. Ying (Jenny) Zou (Electrical and Computer Engineering) received \$50,000 for the project entitled, *Techniques and Tools for the Development and Evolution of Service Oriented Architecture Applications*.

Canadian Institutes of Health Research (CIHR)

GlaxoSmithKline Endowed Chair

- Dr. Stephen Scott (Biomedical and Molecular Sciences) received \$375,000 (salary) over 5 years and \$273,670 (operating) over 5 years for the project entitled, *Influence of Motor Behaviour on Sensory Feedback to Primary Motor Cortex*. This funding is matched by the Chair endowed to Queen's by GlaxoSmithKline.

Natural Sciences and Engineering Research Council of Canada (NSERC)

Engage Grants

- Dr. Kunal Karan (Chemical Engineering) received \$25,000 for the project entitled, *Feasibility Study of Thickness-Controlled, High Catalyst Utilization Electrodes for PEM Electrolyzers*. Hydrogenics Corporation's in-kind contribution – \$4,800.
- Dr. Christopher Mechefske (Mechanical and Materials Engineering) received \$25,000 for the project entitled, *Mining Skip Vibration Reduction during Unloading*. Wabi Iron and Steel Corporation's in-kind contribution – \$11,800.
- Dr. Alison Rutter (School of Environmental Studies) received \$25,000 for the project entitled, *Scaffold Surface Modification and Characterization for Tissue Engineering*. Octane Biotech Inc.'s in-kind contribution – \$44,000.

Natural Sciences and Engineering Research Council of Canada (NSERC)

Interaction Grants

- Dr. Ana Da Silva (Civil Engineering) received \$4,825 for the project entitled, *Meetings to Identify Research Opportunities on Risk Assessment of Oil Spills in Rivers*.

Networks of Centres of Excellence

- Dr. Daren Heyland (Medicine) received \$23,888,157 over 5 years for the project entitled, *Technology Evaluation in the Elderly Network (TVN)*.
 - NSERC total = \$6,725,584
 - SSHRC total = \$2,291,000
 - CIHR total = \$14,871,573

Ontario Ministry of Education

- Dr. John Freeman (Faculty of Education) received \$39,950 for the project entitled, *Research Review of Child Care Quality and Program Approaches*.

Social Sciences and Humanities Research Council of Canada (SSHRC)

Connection Grant

- Dr. Kevin Banks (Faculty of Law) received \$20,000 for the project entitled, *Adjudicating Human Rights in the Workplace in Canada: After Ontario's Pinto Report, Where do we Go Next*.

Other News

The University of Western Australia recently announced the recipients of their Research Collaboration Awards. Dr. Gabor Fichtinger (School of Computing) is collaborating with Professor Grand Joldes at the University of Western Australia on the project, *Towards an Image-Guided Neurosurgery System using Biomechanical Models* (\$19,250). The funding is intended to further enhance collaborations with research partners at Matariki Network universities.