

## ***Senate Research Report January 15, 2009***

### **Awards and Honours**

Dr. Philip Jessop has been awarded an NSERC John C. Polanyi award in recognition of his important development of switchable materials. This award is valued at \$250,000.

*Publicly announced January 14, 2009*

### **Research Funding Awarded**

#### **Natural Sciences and Engineering Research Council of Canada (NSERC) Collaborative Research and Development Grant**

- Dr. Mark R. Daymond (Mechanical and Materials Engineering), *Delayed Hydride Cracking in Zirconium during Heat up and at Low Temperatures*, \$112,500 over three years

#### **Social Sciences and Humanities Research Council of Canada (SSHRC) Aid to Scholarly Journals Program**

- Dr. Mark Rosenberg (Geography), \$68,550 over three years towards the "Canadian Journal on Aging"
- Dr. David Haglund (Political Studies), \$90,000 over three years towards the "International Journal"
- Dr. Sharryn Aiken (Faculty of Law), \$86,400 over three years towards "Refuge: Canada's Periodical on Refugees".
- Dr. Rosa Bruno-Jofré (Faculty of Education), \$59,750 over three years towards "Historical Studies in Education".

#### **Canadian Institutes of Health Research (CIHR) Small Medium Enterprise Research Program New Operating Grant**

- Dr. David Lillicrap (Pathology and Molecular Medicine), received \$675,000 over three years for his work on *Evaluation of innovative therapeutic strategies for hemophilia A in a unique hemophiliac dog colony*. CIHR's contribution is \$75,000/year, and the remaining comes from the private sector.

## Canada Foundation for Innovation (CFI) Leaders Opportunity Fund

- Dr. Gabor Fichtinger (School of Computing), *Percutaneous Oncology Intervention Laboratory*, \$400,000
- Dr. Kim Woodhouse (Chemical Engineering), *Elastomeric Polymers for Tissue Engineering: Building Biomimetic Scaffolds*, \$125,000
- Dr. Yves Filion (Civil Engineering), *Enhanced Disease Surveillance for the Rapid Detection and Mitigation of Gastrointestinal Illness Outbreaks Caused by Drinking Water System Contamination*, \$150,000
- Dr. Joshua Pearce (Mechanical and Materials Engineering), *Ultra-High Efficiency InGaN Solar Photovoltaic Cells*, \$200,000
- Dr. Christopher Booth (Oncology), *Translating New Anti-Cancer Treatments into Population Benefit: A Provincial Chemotherapy and Outcomes Database*, \$78,624
- Dr. Elaine Petrof (Medicine), *Probiotics and Gastrointestinal Diseases*, \$180,000
- Dr. Christopher Bowie (Psychology), *Neurocognition and Functional Disability in Schizophrenia: Assessment and Intervention*, \$74,500
- Dr. William Nelson (Biology), *Laboratory and Field Equipment to Study Eco-Evolutionary Feedbacks in Coupled Ecological Systems*, \$131,200
- Dr. Gunnar Blohm (Centre for Neuroscience Studies), *Dynamics of sensorimotor computations for perception and action: modeling and experiments*, \$200,000
- Dr. Lauren Flynn (Chemical Engineering), *Tissue Engineering with Adipose-derived Stem Cells*, \$100,000
- Dr. John Peacey (Mining Engineering), *New Process Development for Complex Copper and Nickel Ores and Concentrates*, \$100,000
- Dr. Paul Martin (Biology), *Origins of Biodiversity*, \$120,000
- Dr. Gregory Jerkiewicz (Chemistry), *Infrastructure for the Search of Quantum Entanglement in Electrochemical Processes Involving Hydrogen*, \$199,390

*Publicly announced December 12, 2008*

## Accelerate Ontario

### Ontario Graduate Research Internship Program Grant

- Dr. Keyvan Hashtrudi-Zaad (Electrical and Computer Engineering), received \$15,000 for support of his student Paul Karam for the project *Novel Control System for Haptic Actuation*. Funding for this project was provided by Quanser Consulting and matched by MITACS Industrial Research and Development Internship (IDRI).

## Ontario Centres of Excellence (OCE) Awards: 4<sup>th</sup> Quarter 2008

### Connections

- Dr. Rick Sellens (Mechanical and Materials Engineering), *OCE Connections Program for Mechanical and Materials Engineering*, \$27,400
- Dr. Kent Novakowski (Civil Engineering), *Program 2008 – 2009*, \$13,000
- Dr. David Strong (Integrated Learning Centre), *APSC 480 Multi-Disciplinary Design Project*, \$41,500
- Dr. David Mody (Chemical Engineering), *APSC 400 - Technology Engineering and Management*, \$80,000

### Interact

- Dr. Pascale Champagne (Civil Engineering), *Municipal Landfill Leachate Treatment using Passive Systems for the City of North Bay-Bench-Scale Study*, \$13,500

### Research Collaboration Agreement

- Dr. Michael Greenspan (Electrical and Computer Engineering), *Remote Intelligent Monitoring System*, Total OCE and Industry Match \$554,833
- Dr. Praveen Jain (Electrical and Computer Engineering), *Energy Efficient primary Power Distribution systems for Data Centres*, Total OCE and Industry Match \$1,500,000
- Dr. Scott Parent (Chemical Engineering), *Transforming XIIR into useful derivatives (working title)*, Total OCE and Industry Match \$867,516
- Dr. Stephen Waldman (Mechanical and Materials Engineering), *Identification & Optimization of modular bioreactors*, Total OCE and Industry Match \$676,380

### Publications

- Dr. Kip Pegley (School of Music) has published *Coming to You Wherever You Are* (Wesleyan University Press, 2008)
- Dr. John Burge (School of Music) has released the CD *Flanders Fields Reflections* (Sinfonia Toronto, conductor Nurhan Arman, Shauna Rolston, cello). Marquis (Toronto) 2008.
- Dr. Ireneus Zuk (School of Music), along with Luba Zuk, has released the CD *Canadian Music for Two Pianos*. SNE (Société nouvelle d'enregistrement) SNE-602-CD, SNE: MC/TM of Techni-Sonore Inc. (Montreal) c.p. 2007.