

## *Senate Research Report*

### *October 23, 2008*

#### *Awards and Honours*

##### **Queen's Prizes for Excellence in Research**

- Drs. Elia Zureik (Sociology) and Guy Narbonne (Geological Sciences and Geological Engineering) are the 2008 winners of the Queen's Prizes for Excellence in Research. These \$5,000 awards are given in recognition of outstanding research contributions while the scholar is at Queen's. The prizes will be presented at Queen's convocation ceremonies on October 31<sup>st</sup>. Professors Zureik and Narbonne will present public lectures scheduled for Wednesday, November 26<sup>th</sup>.

#### *Research Funding Awarded*

##### **Natural Sciences and Engineering Research Council of Canada (NSERC) Strategic Grants**

There were 11 applications and 6 were funded for a 55% success rate. The total funding was \$2,894,650. All awarded projects were funded over three years.

- Dr. Cathleen Crudden (Chemistry), *Novel chiral materials for chromatographic applications*, \$591,300
- Dr. Michael Cunningham (Chemical Engineering), *Stimuli-responsive polymer colloids: Switchable surfactants for polymers and coatings*, \$331,920
- Dr. T.C. Nicholas Graham (School of Computing), *Technology for rich group interaction in networked games*, \$482,225
- Dr. Hossam Hassanein (School of Computing), *Enabling ubiquitous mobile services*, \$547,800
- Dr. Peter Hodson (Biology), *Identification and bioavailability of toxic components in heavy oil*, \$483,500
- Dr. Heather Jamieson (Geological Sciences and Geological Engineering), *Optimal remediation of arsenic-contaminated mine sites to protect human and ecosystem health*, \$457,905

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**Ontario Research Fund - Research Infrastructure:**

- Dr. Michael Adams (Pharmacology & Toxicology) and Dr. Anne Croy (Anatomy and Cell Biology), *Advanced Phenomics of Experimental Cardiovascular Conditions and Treatments*, \$161,021
- Drs. Craig Hawryshyn, Ian Chin-Sang and Paul Young (Biology), *Confocal Microscope for Biological Imaging*, \$302,250
- Dr. Colin Funk (Physiology) and Dr. Peter Greer (Pathology and Molecular Medicine), *Preclinical Testing of Novel Therapies for Cardiovascular Disease and Cancer*, \$238,731
- Drs. Brian Amsden (Chemical Engineering), Stephen Pang (Anatomy and Cell Biology) and Stephen Waldman (Mechanical and Materials Engineering), *Biomimetic Materials for Tissue Engineering and Regeneration*, \$383,849
- Drs. Linda Levesque, Sudeep Gill and Ana Johnson (Community Health and Epidemiology), *Pharmacoepidemiology and Economics Research Unit (PERU)*, \$438,556
- Dr. Katrina Gee (Microbiology and Immunology), *Dysregulation of cytokine expression in HIV pathogenesis*, \$176,000
- Dr. Kevin Deluzio (Mechanical and Materials Engineering), *Human Motion Performance Laboratory*, \$350,000
- Dr. Victor Tron (Pathology and Molecular Medicine), *A Therapeutic Approach for the Treatment of Melanoma using RNA Interference (RNAi)*, \$96,339
- Dr. Bruce Banfield (Microbiology and Immunology), *Molecular Biology of Herpesvirus-Cell Interactions*, \$160,000
- Drs. Robert Lemieux, Cathleen Crudden and Hans-Peter Loock (Chemistry), *Centre for Chiral Catalysis (CCUBE)*, \$294,493
- Dr. Monica Castelhana (Psychology), *Perceptual and Cognitive Processing of Complex, Real-World Scenes*, \$98,040
- Dr. Catherine Cahill (Pharmacology and Toxicology), *Behavioural Pain Assessment Workstation*, \$24,707
- Dr. Kurt Kyser (Geological Sciences and Geological Engineering) and Dr. Diane Beauchemin (Chemistry), *Tracing elements in natural systems*, \$313,903
- Dr. Paul Grogan (Biology), *The ecology of arctic ecosystems and their sensitivity to climate change*, \$50,000
- Dr. Ahmed Hassan (School of Computing), *Development of an empirical software engineering facility capable of mining software repositories for large long lived industrial and open source projects*, \$100,000

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- Dr. Roel Vertegaal (School of Computing), *Advanced Input and Display Techniques for Transparent Computing Technologies*, \$397,773

*Publicly announced September, 2008*

**Canada Research Chairs:**

- Dr. Susan Cole (Pathology and Molecular Medicine) — *Tier 1 Renewal* — Canada Research Chair in Cancer Biology, \$200,000/year for 7 years
- Dr. David Lillicrap (Pathology and Molecular Medicine) — *Tier 1 Renewal* — Canada Research Chair in Molecular Hemostasis, \$200,000/year for 7 years
- Dr. David Thomson (Mathematics and Statistics) — *Tier 1 Renewal* — Canada Research Chair in Statistics and Signal Processing, \$200,000/year for 7 years

*Publicly announced September 30, 2008*