

Senate Research Report ***March 25, 2010***

Budget 2010 Highlights

The Research Granting Councils

Budget 2010 increases the annual budget of the three granting councils by an additional \$32 million per year, starting in 2010-11. This new funding will enable the councils to sustain their overall support for research. The new resources for the councils will be allocated as follows:

- \$16 million for CIHR
- \$13 million for NSERC including \$8 million per year to strengthen its support for advanced research, and \$5 million per year to foster closer research collaborations between academic institutions and the private sector through NSERC's Strategy for Partnerships and Innovation;
- \$3 million per year to support world-leading research in the social sciences and humanities.

Indirect Costs Program

Budget 2010 also provides an additional \$8 million per year to the Indirect Costs of Research Program. This enhanced funding will help institutions support the additional research activities enabled by the new resources provided to the federal granting councils through Budget 2010.

Post-doctoral Fellowship Program

Budget 2010 provides \$45 million over 5 years to the granting councils to establish a new and prestigious post-doctoral fellowships program to attract top-level talent to Canada. The proposed new post-doctoral fellowship program will be designed to be internationally competitive. These fellowships will be valued at \$70,000 each per year for two years. The first fellowships will be awarded in 2010-11. At maturity, the new program will fund 140 fellowships annually.

Awards and Honours

Ministry of the Environment Ontario Research Chair

Dr. Michael Cunningham (Chemical Engineering) has been awarded one of two new Ontario Research Chairs in Green Chemistry and Engineering. He received \$1.25 million over 5 years.

Research Funding

Ontario Research Fund – Research Infrastructure (ORF-RI):

- Dr. Mark Boulay and Dr. Mark Chen (Physics) *"Particle astrophysics experiments at SNOLAB - SNO+ and DEAP/CLEAN"* \$9,051,791

Publicly announced January 21, 2010

Ontario Research Fund – Research Excellence (ORF-RE):

- Dr. Stephen Scott (Anatomy and Cell Biology) received \$2,940,000 for his project entitled *"Quantifying sensorimotor function and dysfunction."*
- Dr. Roel Vertegaal (School of Computing) received \$1,003,800 for his project entitled *"User interface technologies for non-planar & flexible displays."*

Publicly announced March 1, 2010

Canadian Institute of Health Research (CIHR) Operating Grants Awarded- September 2009 Competition

- Dr. Andrew Craig (Biochemistry) received \$737,535 over 5 years for his project entitled *"Regulation of mast cell activation and inflammation."*
- Dr. Peter Davies (Biochemistry) received \$951,295 over 5 years for his project entitled *"Calcium-activated proteases in health and disease."*
- Dr. Bruce Elliott (Pathology and Molecular Medicine) received \$487,300 over 4 years for his project entitled *"A novel Src/ezrin signalling network as a potential marker for breast cancer metastasis"*
- Dr. Stephen Hall (Otolaryngology) received \$86,603 for his 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. Samantha King (Kinesiology and Health Sciences) received \$150,588 over 3 years for her project entitled *"Panic: A discursive analysis of a contemporary 'epidemic.'"*
- Dr. Keith Poole (Microbiology and Immunology) received \$697,215 over 5 years for his project entitled *"Environmental influences on multidrug efflux gene expression and antibiotic resistance in P. Aeruginosa."*

Proof of Principle – Phase 1 (CIHR)

- Dr. Stephen Waldman (Chemical Engineering) received \$148,139 for his project entitled *"Tissue engineered cartilage suitable for the repair of clinically-relevant sized defects."*

Natural Sciences and Engineering Research Council of Canada (NSERC)

- Dr. Scott Parent (Chemical Engineering) received \$24,750 over two years for his project entitled *"Hydrogen atom transfer in polyolefin graft modification."*

OCE Interact Award

- Dr. Kunal Karan (Chemical Engineering) received \$21,500 for his project entitled *"Electrode studies for next hydrogen electrolyzers."*

Ontario Institute for Cancer Research

- Dr. Jeremy Squire (Pathology and Molecular Medicine) received \$467,545 over two years for his project entitled *"Companion CTC analysis to NCIC CTG clinical trial."*

Physicians' Services Incorporated Foundation

- Dr. Graeme Smith (Obstetrics and Gynaecology) received \$165,000 for one year for his project entitled *"Effect of carbon monoxide on placental function and development."*

Social Sciences and Humanities Research Council (SSHRC)

Aid to Research Workshops and Conference in Canada

- Dr. Maggie Berg (English) received \$10,782 for her conference entitled *"Animals and animality across the humanities and social sciences: interdisciplinary graduate conference"*.