

Senate Research Report ***November 22, 2011***

Research Rankings

Research Infosource

The *Research Infosource* rankings for Canada's top research universities were announced on November 1st, 2011. Publication of the results appeared in the *National Post* on November 4th, the *Ottawa Citizen* on November 5th and in the *Hill Times* on November 7th.

Queen's ranking rose from 7th to 6th place in research intensity with \$237.9 (000) per FTE. Research intensity is defined as total research income per full-time faculty position. Research income grew by 10.6% over fiscal year (FY) 2009 and Queen's maintained its 11th place ranking for sponsored research income, with total income for FY 2010 at \$197,016 (000). For more information, please access the Research Infosource website at:
<http://www.researchinfosource.com/top50.shtml>.

Maclean's Magazine

The 2011 *Maclean's* University Rankings issue was released on October 26th. Queen's research rankings are as follows:

- 4th overall in the Medical Doctoral category (up from 5th place in 2010);
- 1st in number of awards per full-time faculty (we have been 1st since 2003);
- 9th in Social Sciences and Humanities Grants (up from 10th in 2010);
- 4th in Medical/Science grants (maintained 4th position since 2009);
- 7th in total research dollars

Awards and Honours

The Pierre Elliott Trudeau Foundation: Trudeau Fellowship

Dr. John McGarry (Political Studies) has been named one of four recipients of the prestigious Trudeau Fellowship (\$225,000 value). Established by the Pierre Elliott Trudeau Foundation, Trudeau Fellowships are awarded to individuals who set themselves apart through research achievements, creativity and commitment to critical social issues of importance to Canada. Dr. McGarry was recognized for his work in conflict resolution and peacekeeping.

Research Funding

External Awards

Canada Research Chairs

- Dr. Colin Funk (Biomedical and Molecular Sciences) received \$1,400,000 for his renewed Tier 1 Chair (Chair title is: Canada Research Chair in Molecular, Cellular and Physiological Medicine)
- Dr. Zongchao Jia (Biomedical and Molecular Sciences) received \$1,400,000 for his Tier 1 Chair (Chair title is: Canada Research Chair in Structural Biology)
- Dr. Guojun Liu (Chemistry) received \$1,400,000 for his renewed Tier 1 Chair (Chair title is: Canada Research Chair in Materials Science)
- Dr. Wolfgang Rau (Physics, Engineering Physics and Astronomy) received \$500,000 for his renewed Tier 2 Chair (Chair title is: Canada Research Chair in Particle Astrophysics)

Canada Foundation for Innovation (CFI): Leaders Opportunity Fund

- Dr. Zongchao Jia (Biomedical and Molecular Sciences) received \$179,774 for his project entitled, *An Integrated Crystallization Robot/Imaging System for Structural Studies of Protein Phosphorylation Systems*.

Canadian Institutes of Health Research (CIHR):

Knowledge Synthesis Grant

- Dr. John Muscedere (Medicine) received \$99,079 for his project entitled, *Clinical Practice Guidelines for Ventilator Associated Pneumonia*.

Canadian Institutes of Health Research (CIHR):

Knowledge to Action Grant

- Dr. Dallas Peter Seitz (Psychiatry) received \$194,100 over two years for his project entitled, *The Primary Care – Dementia Assessment and Treatment Algorithm (PC-DATA)*.

Canadian Institutes of Health Research (CIHR):

Café Scientifique Program

- Dr. Isabella Irrcher (Ophthalmology) received \$3,000 for her project entitled, *Glaucoma: The Silent Thief of Vision. Understanding Optic Neuropathies and Associated Vision Loss*.
- Dr. James Reynolds (Biomedical and Molecular Sciences) received \$3,000 for his project entitled, *How Much is Too Much? Understanding Maternal Drinking, Prenatal Alcohol Exposure and its Impact on Individuals, Families and Society*.

This research report is meant to be an illustration of research activity at Queen's University and is based on information provided to the Office of the Vice-Principal (Research) by the Faculties.

Canadian Institutes of Health Research (CIHR):

New Investigator Award – Aging

- Dr. Douglas Spencer Moore (School of Kinesiology and Health Studies) received a research allowance in the amount of \$33,975 to be added to his continuing New Investigator Award entitled, *Social Capital, Social Networks, and Successful Aging: Assessing Age- and Network-Related Moderation in Associations between Place and Health in Montréal.*

Crohns and Colitis Foundation of Canada (CCFC)

- Dr. Michael Blennerhassett (Medicine) received \$374,913 over three years for his project entitled, *Cell Biology of Intestinal Stricture Formation.*

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

Engage Grant

- Dr. Gabriel Ciccarelli (Mechanical & Materials Engineering) received \$25,000 for his project entitled, *Detonation Cell Size of Combustible Liquids.*

Ontario Research Fund: Research Infrastructure Small Infrastructure Fund (SIF)

- Dr. Brendon Gurd (School of Kinesiology and Health Studies) received \$349,285 for his project entitled, *Helping Young Adults at Risk for Obesity and Type II Diabetes: Molecular Mechanisms and the Role of Exercise.*
- Dr. Chandrakant Tayade (Biomedical and Molecular Sciences) received \$120,000 for his project entitled, *Role of Immune Cells in Promoting Angiogenesis during Pregnancy and their Regulation by MicroRNAs.*
- Dr. Kerry Rowe (Civil Engineering) received \$240,000 for his project entitled, *Assessing the Long-Term Performance of Geosynthetics Used to Protect the Environment from Contaminants.*
- Dr. Qingguo Li (Mechanical and Materials Engineering) received \$150,000 for his project entitled, *Bio-Mechatronics and Robotics Laboratory.*
- Dr. Neal Scott (Geography) received \$50,000 for his project entitled, *Field Analyzers for Measurement of Ecosystem Carbon Exchange Processes.*
- Dr. Douglas Spencer Moore (School of Kinesiology and Health Studies) received \$43,828 for his project entitled, *Socio-Economic Status, Social Networks, and Cardiovascular Disease.*