

Senate Research Report

May 20, 2009

Awards and Honours

The Canada Excellence Research Chairs (CERC) Program has announced Phase 1 results. Out of 135 submissions, 40 were selected to compete in Phase 2 of the competition. Queen's was invited to proceed to Phase 2 of the application stage for the project entitled *Nuclear Materials*, led by Drs. Rick Holt and Mark Daymond of the Department of Mechanical and Materials Engineering.

Name	Dept	Title	Awarded
Dr. LW Aarssen	Biology	<i>Species assembly in vegetation Dept</i>	

DR. MF Green	Civil Eng	<i>Fire resistance of concrete structures containing advanced materials</i>	\$34,000
Dr. ID Moore	Civil Eng	<i>Soil pipe interaction and the behaviour and design of urban pipe infrastructure</i>	\$67,500
Dr. BE Chen	Community Health & Epidemiology	<i>Statistical methods in clinical trials and epidemiology studies</i>	\$13,000
Dr. J Dingel	Computing, School of	<i>Putting more engineering into software</i>	\$10,000

Dr. KE Pyke	Kinesiology & Health Studies, School of	<i>The role of shear stress and sympathetic nervous activity in the regulation of human arterial function and structure</i>	\$25,000
Dr. FI Alajaji	Math & Stats	<i>Joint source channel coding theory with applications to wireless communication networks</i>	\$56,000
Dr. AV Geramita	Math & Stats	<i>Algebraic geometry and commutative algebra</i>	\$28,000
Dr. CD Lin	Math & Stats	<i>The design and analysis of large scale computer experiments/variance estimations in complex surveys</i>	\$13,000
Dr. N Yui	Math & Stats	<i>Arithmetic of Calabi Yau varieties and</i>	

Dr. MC Dorris	Physiology	<i>The role of the frontal cortex in selecting strategic actions</i>	\$30,260
Dr. M Paré	Physiology	<i>Parietal cortex persistent activity and working memory capacity</i>	\$50,000
Dr. LL Cuddy	Psychology	<i>Music perception and cognition</i>	\$25,000
Dr. JR Flanagan	Psychology	<i>Representing object weight in action and perception</i>	\$45,000
Dr. BJ Frost	Psychology	<i>Neural mechanisms of complex motion analysis and insect migration</i>	\$18,000
Dr. KG Munhall	Psychology	<i>Audiovisual speech perception</i>	\$52,000
Dr. LB McLean	Rehabilitation Therapy, School of	<i>Ultrasound imaging to evaluate the biomechanics of the female pelvic floor</i>	\$21,000

NSERC Research Tools and Instruments: 17 new grants for a total of \$1,272,619

Name	Dept	Title	Awarded
Dr. WA Nelson	Biology		

female

**Social Sciences and Humanities Research Council of Canada (SSHRC)
Standard Research Grants**

Dr. R Luce Kapler	Education	<i>Developing critical awareness of normative structures: A study of senior learners' engagements with literary reading and memoir writing practices</i>	\$124,604
Dr. J MacKinnon	Economics	<i>Reliable inference with clustered data</i>	\$62,000
Dr. S Majumdar	Economics	<i>Leadership, belief formation and change</i>	\$65,000
Dr. J Mckeen	Business	<i>CIO role perceptio</i>	

EMCc0.220Td(enga)8e)8en)7(t)5)TJ/C211Tf0Tc:210Tdwj/C201Tf0Tc3.88

Canadian Institutes of Health Research (CIHR)

- Dr. John MacLeod (Physiology) received a one year, non renewable grant in the amount of \$100,000 for his project *Novel Wnt paracrine signaling mediated by the intestinal extracellular calcium sensing receptor (CaSR) inhibits defective Wnt signaling and stimulates differentiation*
- Dr. Laurent Seroude (Biology) received a one year, non renewable grant in the amount of \$100,000 for his project *Investigation into the role of bacteria on aging in Drosophila*

National Cancer Institute of Canada (NCIC – now Canadian Cancer Society Research Institute):

- Dr. Michael Brundage (Oncology) received, but declined, an award of \$249,866 for his project *A national “patterns of care” study in prostate cancer radiation therapy: development and use of quality indicators*
- Dr. Andrew Craig (Biochemistry) received an award of \$382,500 for his project *F BAR containing adaptor proteins in EGFR signaling and lung cancer*
- Dr. Patti Groome (Community Health and Epidemiology) received an award of \$158,601 for her project *Health care utilization and diagnostic delay in oral cavity cancer*
- Dr. Jeremy Squire (Pathology and Molecular Medicine) received an award of \$668,680 for his project *Integrative genomics and epigenomics of osteosarcoma: a model of chromosomal instability in human cancer*

Collaborative Health Research Projects (CHRP) Award

- Dr. Parvin Mousavi (School of Computing) and her co investigators, Dr. Purang Abolmaesumi (Queen’s School of Computing), Dr. Alexander Boag (Queen’s, Pathology), Dr. Gabor Fichtinger (Queen’s School of Computing), Dr. David Siemens (Queen’s, Urology), Dr. Stanislav Emelianov (U. Texas at Austin) and Dr. Shahram Shirani (McMaster U.) have been awarded \$231,500 over the next 3 years for his *De211Tf0Tc3.720TdC200231Tj/TTn0.0006Tc0.220111Tf(pTc1.976(±)Tj/C2sTc2.)5)TJ/C211su/U*