

2000/2001 Research Scholars

* - Applicant who are funded via the fund/HSFC Partnership Challenge Fund.

- **Allen, Bruce G.** (Medicine, University of Montreal)
Hypertrophic signal transduction in the adult ventricular myocardium.
- **Bajzar, Laszlo** (Medicine, McMaster University)
Activation of TAFI and regulation of TAFIa.
- **Braun, Andrew** (Pharmacology & Therapeutics, University of Calgary)
Molecular analysis of Ca²⁺-activated K⁺ channel structure and function.
- **Chan, Anthony K.C.** (Pediatrics, University of Toronto)
Development of a novel covalent antithrombin-heparin complex.
- **Chidiac, Peter** (Pharmacology & Toxicology, University of Western Ontario)
Mechanism of receptor-effector coupling specificity.
- **Coorsen, Jens R.** (Physiology and Biophysics, University of Calgary)
Defining the fusion site of regulated exocytosis.
- **Davidge, Sandra T.** (Obstetrics & Gynecology, University of Alberta)
Sex steroids and vascular function.
- * **Douketis, James D.** (Medicine, McMaster University)
Duration of anticoagulation for estrogen-associated venous thromboembolism.
- **Drysdale, Thomas** (Pediatrics, University of Western Ontario)
Early events in the establishment of the myocardium.
- **Eisenberg, Mark J.** (Medicine, McGill University)
Selective vs. routine functional testing after percutaneous coronary revascularization.
- **Ferguson, Stephen G.** (Pharmacology & Toxicology, University of Western Ontario)
Role of B-arrestins in B₂-adrenergic receptor resensitization.
- **Fiset, Céline** (Pharmacy, University of Montreal)
Estrogen regulation of cardiac K⁺ currents.
- **Frayne, Richard** (Clinical Neurosciences and Radiology, University of Calgary)
[Henry J.M. Barnett Scholar](#)
Endovascular MR system for stroke therapy.
- **Graham, Charles H.** (Anatomy & Cell Biology, Queen's University)
Role of the placenta in the pathogenesis of preeclamptic hypertension.
- **Greenwood, Michael T.** (Medicine, McGill University)
The role of regulators of G-protein signalling (RGS) in regulating angiotensin II mediated signalling.
- **Guo, Deng-Fu** (Medicine, University of Montreal)
Identification and characterization of angiotensin II type 1 receptor associated proteins.
- **Hébert, Terence E.** (Anesthesia, University of Montreal)
[McDonald Scholar](#)
Organization and specificity in G protein-coupled receptor signalling.
- **Hill, John S.** (Pathology & Laboratory Medicine, University of British Columbia)
Structure-function relationships of hepatic lipase and lipoprotein lipase.

- **Holdsworth, David W.** (Medical Biophysics, University of Western Ontario)
Advanced three-dimensional imaging for diagnosis and therapy of cerebral vascular disease.
- **Kearon, Clive** (Medicine, McMaster University)
Optimizing treatment and diagnosis of venous thromboembolism.
- **Kirshenbaum, Lorrie A.** (Physiology, University of Manitoba)
Role of the tumor suppressor protein P53 and programmed cell death in heart.
- **Krahn, Andrew D.** (Medicine, University of Western Ontario)
Dynamic adaptation of the QT interval in long QT syndrome.
- **Li, Ren-Ke** (Surgery, University of Toronto)
Improvement of failing heart function by cardiomyocyte transplantation into myocardial scar tissue.
- **Mesaeli, Nasrin** (Biochemistry and Medical Genetics, University of Manitoba)
Role of Endoplasmic reticulum in vascular development.
- **Newton, Gary E.** (Medicine, University of Toronto)
Oxidative stress and ventricular function in human congestive heart failure.
- **Pibarot, Philippe** (Medicine, Laval University)
Non-invasive evaluation of pulmonary arterial pressure, valve hemodynamics, and exercise capacity in patients with prosthetic heart valves.
- **Pilote, Louise** (Medicine, McGill University)
Health services and outcomes research to assess the treatment and prevention of coronary artery disease.
- **Rindt, Hansjorg** (Medicine, University of Montreal)
A molecular tool to study cardiac function.
- **Shaughnessy, Stephen G.** (Pathology, McMaster University)
The effects of low molecular-weight and standard heparin on bone.
- **Sirois, Martin G.** (Medicine, University of Montreal)
Vascular injury and repair: Prevention of restenosis after angioplasty.
- **Steinman, David A.** (Medical Biophysics, University of Western Ontario)
Computational imaging of hemodynamics and vascular disease.
- **Thorin, Eric** (Chirurgie, Université de Montréal)
Influence des changements de couplages récepteurs / protéines G sur la fonction endothéliale vasculaire.
- **Tsushima, Robert G.** (Medicine, University of Toronto)
Regulation of cardiac calcium-activated nonselective cation channels.
- **Van Eyk, Jennifer E.** (Physiology, Queen's University)
Molecular mechanisms involved in smooth muscle contractions.
- **Wang, Yu Tian** (Pathology, University of Toronto)
GABA receptors in the solitary complex of the rat - regulation by protein tyrosine phosphorylation.
- **Wang, Zhiguo** (Medicine, University of Montreal)
Molecular mechanisms underlying potassium currents in human cardiac cells.

- **Ward, Christopher A.** (Physiology, Queen's University)
Myocardial actions of hydrogen peroxide.
- **Yager, Jerome** (Pediatrics, University of Saskatchewan)
Influence of thermoregulation on hypoxic-ischemic brain damage in the immature rat.