

2002/2003 New Investigator

* - Applicants funded via the HSFC/CIHR Health Research Partnership Fund.

- **Allen, Bruce G.** (Research Centre, Montreal Heart Institute)
Hypertrophic signal transduction in the adult ventricular myocardium.
- ***Alter, David A.** (Sunnybrook and Women's College Health Sciences Centre)
The relationship between socioeconomic status, quality of care, and outcomes following acute myocardial infarction.
- **Bajzar, Laszlo** (Medicine, McMaster University)
Activation of TAFI and regulation of TAFIa.
- ***Blostein, Mark D.** (Medicine, McGill University)
Novel role of gamma-carboxyglutamic acid in vascular biology.
- ***Boulay, Guylain** (Pharmacologie, Université de Sherbrooke)
Étude des canaux calciques TRPs dans les cellules glomérulées de la surrenale.
- **Brown, Arthur** (Neurodegeneration Research Group, John P. Robarts Research Institute)
Genetic control of heart development and autonomic dysreflexia.
- ***Bruneau, Benoit G.** (Cardiovascular Research Program, Hospital for Sick Children)
Role of Tbx5 in heart development and disease.
- **Chan, Anthony** (Hematology/Oncology, Hospital for Sick Children)
Development of a novel covalent antithrombin-heparin complex.
- **Chidiac, Peter** (Pharmacology & Toxicology, University of Western Ontario)
Mechanism of receptor-effector coupling specificity.
- **Childs, Sarah J.** (Biochemistry and Molecular Biology, University of Calgary)
Blood vessel development in zebrafish.
- **Coorssen, Jens R.** (Physiology & Biophysics, University of Calgary)
Defining the fusion site of regulated exocytosis.
- ***Douketis, James D.** (Medicine, McMaster University)
Duration of anticoagulation for estrogen-associated venous thromboembolism.
- **Drysdale, Thomas** (Lawson Research Institute, St. Joseph's Health Centre)
Early events in the establishment of the myocardium.
- **Ferguson, Stephen G.** (Pharmacology & Toxicology, University of Western Ontario)
Role of B-arrestins in B2-adrenergic receptor resensitization.
- **Fernandez-Patron, Carlos A.** (Biochemistry, University of Alberta)
MMP-mediated vasoactivity and its proteomic modulation in hypertension.
- **Fiset, Céline** (Pharmacy, University of Montreal)
Estrogen regulation of cardiac K⁺ currents.
- **Frayne, Richard** (Clinical Neurosciences and Radiology, University of Calgary)
Endovascular MR system for stroke therapy.
- **Greenwood, Michael T.** (Medicine, Royal Victoria Hospital)
The role of regulators of G-protein signalling (RGS) in regulating angiotensin II mediated.

- **Guo, Deng-Fu** (Medicine, University of Montreal)
Identification and characterization of angiotensin II type 1 receptor associated proteins.
- **Hébert, Terence** (Anesthesia, University of Montreal)
Organization and specificity in G protein-coupled receptor signalling.
- **Hepple, Russell T.** (Physiology & Biophysics, University of Calgary)
O₂ delivery and aerobic performance in aged muscles.
- **Hill, John S.** (Pathology & Laboratory Medicine, University of British Columbia)
Structure-function relationships of hepatic lipase and lipoprotein lipase.
- ***Hill, Michael D.** (Clinical Neurosciences, University of Calgary)
Stratifying risk in acute ischemic stroke.
- **Hornberger, Lisa** (Pediatrics, University of Toronto)
B1 integrins and the IGF2-IGF1 receptor system in fetal cardiac myocyte proliferation: regulatory role for the nuclear transcription, Sp1.
- **Jacques, Danielle** (Anatomy, University of Sherbrooke)
Regulation of intracellular calcium by NPY in endocardial endothelial cells.
- **Kearon, Clive** (Medicine, McMaster University)
Optimizing treatment and diagnosis of venous thromboembolism.
- **Krahn, Andrew D.** (Medicine, University of Western Ontario)
Dynamic adaptation of the QT interval in long QT syndrome.
- **Melo, Luis Gabriel** (Physiology, University of Saskatchewan)
Gene therapy for ischemic heart disease.
- **Mesaeli, Nasrin** (Biochemistry and Medical Genetics, University of Manitoba)
Role of endoplasmic reticulum in vascular development.
- **Pibarot, Philippe** (Medicine, Laval University)
Non-invasive evaluation of pulmonary arterial pressure, valve hemodynamics, and exercise.
- **Reid, Robert D.** (Medicine, University of Ottawa)
Interventions to promote physical activity for the secondary prevention of CAD.
- **Richard, Darren E.** (Medicine, Laval University)
mcdonald scholarship recipients
Vasoactive hormones and hypoxia in the control of vascular endothelial growth factor.
- **Rodger, Marc A.** (Medicine, University of Ottawa)
Thrombophilia: novel associations and therapeutic interventions.
- **Shaughnessy, Stephen G.** (Pathology, McMaster University)
The effects of low molecular-weight and standard heparin on bone.
- **Steinman, David A.** (Medical Biophysics, University of Western Ontario)
Computational imaging of hemodynamics and vascular disease.
- *** Therrien, Judith** (Medicine, University of Toronto)
Effects of ACE1 and beta blocking therapy in patients with systemic right ventricles.
- **Thorin, Eric** (Chirurgie, Université de Montréal)
Influence des changements de couplages récepteurs / protéines G sur la fonction endothéliale.

- **Trigatti, Bernado L.** (Biochemistry, McMaster University)
Effect of tissue specific expression or suppression of the HDL receptor SR-BI on cardiovascular disease.
- **Tsushima, Robert G.** (Medicine, University of Toronto)
Defining the fusion site of regulated exocytosis. Regulation of cardiac calcium-activated nonselective cation channels.
- **Wang, Hui Di** (Community Health Sciences, Brock University)
Vascular gp-91phox containing NADPH oxidase in angiotensin II-induced hypertension.
- **Ward, Christopher A.** (Physiology, Queen's University)
Myocardial actions of hydrogen peroxide.
- **Welsh, Donald G.** (Physiology and Biophysics, University of Calgary)
Basis of pyrimidine-induced vasoconstriction.
- **Whelan, Patrick J.** (Physiology and Biophysics, University of Calgary)
[Focus on Stroke Training Initiative Award](#)
Sensory control of locomotion in the developing mouse.
- **Whitman, Stewart C.** (Pathology and Laboratory Medicine, University of Ottawa Heart Institute)
The role of the immune system in atherosclerosis: mechanism of action of IL-12 and IL-18.
- **Wilson, Richard J.A.** (Medical Physiology, University of Calgary)
[Focus on Stroke Training Initiative Award](#)
Chemoreceptor interactions and neural plasticity in the control of breathing.
- **Zheng, Xi-Long** (Biochemistry and Molecular Biology, University of Calgary)
Atherogenesis: an investigation of vascular smooth muscle phospholipase D.