

## 2001/2002 New Investigators

\* 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.*
- \* **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** (Pharmacology, University of Sherbrooke)  
*Étude des canaux calciques TRPs dans les cellules glomérulées de la surrénale.*
- **Braun, Andrew P.** (Pharmacology & Therapeutics, University of Calgary)  
*Molecular analysis of Ca<sup>2+</sup>-activated K<sup>+</sup> channel structure and function.*
- **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** (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.*
- **Childs, Sarah J.** (Biochemistry and Molecular Biology, University of Calgary)  
*Blood vessel development in zebrafish.*
- **Coorsen, 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** (Pediatrics, University of Western Ontario)  
*Early events in the establishment of the myocardium.*
- **Ferguson, Stephen G.** (Pharmacology & Toxicology, University of Western Ontario)  
*Role of B-arrestins in B<sub>2</sub>-adrenergic receptor resensitization.*
- **Fiset, Céline** (Pharmacy, University of Montreal)  
*Estrogen regulation of cardiac K<sup>+</sup> 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.*
- **Hebert, Terence** (Anesthesia, University of Montreal)  
*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.*
- \* **Hill, Michael D.** (Clinical Neurosciences, University of Calgary)  
[Barnett Scholarship Award](#)  
*Stratifying risk in acute ischemic stroke.*
- **Holdsworth, David W.** (Medical Biophysics, University of Western Ontario)  
*Advanced three-dimensional imaging for diagnosis and therapy of cerebral vascular disease.*
- **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.*
- **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.*
- **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.*
- **Pilote, Louise** (Medicine, McGill University)  
*Health services and outcomes research to assess the treatment and prevention of coronary.*
- **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.*
- \* **Therrien, Judith** (Cardiology, Jewish General Hospital)  
*Effects of ACE1 and beta blocking therapy in patients with systemic right ventricles.*
- **Tsushima, Robert G.** (Medicine, University of Toronto)  
*Defining the fusion site of regulated exocytosis. Regulation of cardiac calcium-activated nonselective cation channels.*
- **Ward, Christopher A.** (Physiology, Queen's University)  
*Myocardial actions of hydrogen peroxide.*

- **Welsh, Donald G.** (Physiology and Biophysics, University of Calgary)  
[McDonald Scholarship Award](#)  
*Basis of pyrimidine-induced vasoconstriction.*
- **Yager, Jerome** (Pediatrics, University of Saskatchewan)  
*Influence of thermoregulation on hypoxic-ischemic brain damage in the immature rat.*
- **Zheng, Xi-Long** (Biochemistry and Molecular Biology, University of Calgary)  
*Atherogenesis: an investigation of vascular smooth muscle phospholipase D.*