

## 1999/2000 Research Scholars

- **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.*
- **Bendeck, Michelle P.** (Medicine, University of Toronto)  
*Smooth muscle cell integrin expression and MMP production in arterial injury.*
- **Braun, Andrew** (Pharmacology & Therapeutics, University of Calgary)  
*Molecular analysis of Ca<sup>2+</sup>-activated K<sup>+</sup> channel structure and function.*
- **Calderone, Angelo** (Physiology, University of Montreal)  
*Natriuretic peptide modulation of the cellular events associated with cardiac hypertrophy.*
- **Chahine, Mohamed** (Pharmacologie, Université Laval)  
*Etude chimérique des canaux sodiques du coeur de l'humain.*
- **Chan, Anthony K.C.** (Pediatrics, McMaster University)  
*Development of a novel covalent antithrombin-heparin complex.*
- **Chidiac, Peter** (Pharmacology & Toxicology, University of Western Ontario)  
*Mechanism of receptor-effector coupling specificity.*
- **Davidge, Sandra** (Obstetrics & Gynecology, University of Alberta)  
*Sex steroids and vascular function.*
- **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 B<sub>2</sub>-adrenergic receptor resensitization.*
- **Fiset, Céline** (Pharmacie, Université de Montréal)  
*Estrogen regulation of cardiac K<sup>+</sup> currents.*
- **Gilchrist, James S.** (Oral Biology, University of Manitoba)  
*Role of calcium activated neutral protease in myocardial ischemia/reperfusion injury.*
- **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.*
- **Hayward, Catherine P.** (Pathology, McMaster University)  
*Characterization of multimerin and its role in hemostasis.*
- **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.*
- **Koschinsky, Marlys L.** (Biochemistry, Queen's University)  
*Analysis of structure-function relationships in human apolipoprotein(a).*
- **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.*
- **Newton, Gary E.** (Medicine, University of Toronto)  
*Oxidative stress and ventricular function in human congestive heart failure.*
- **O'Brien, Edward R.** (Medicine, University of Ottawa)  
*Arterial wall neovascularization and the remodelling of coronary artery lesions.*
- **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)  
[Henry J.M. Barnett Scholar](#)  
*Computational imaging of hemodynamics and vascular disease.*
- **Thorin, Eric** (Chirurgie, Université de Montréal)  
[McDonald Scholar](#)  
*Influence des changements de couplages récepteurs / protéines G sur la fonction endothéliale vasculaire.*
- **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.*
- **Wells, Philip S.** (Medicine, University of Ottawa)  
*Diagnostic strategies, treatment and prophylaxis in venous thromboembolic diseases.*
- **Yager, Jerome** (Pediatrics, University of Saskatchewan)  
*Influence of thermoregulation on hypoxic-ischemic brain damage in the immature rat.*
- **Zhang, Liang** (Medicine, University of Toronto)  
*Mechanisms of delayed neuronal death.*