

1998/99 Research Scholars

- **Allard, Michael F.** (Pathology, University of British Columbia)
Mechanisms of ischemic injury in the hypertrophied heart.
- **Anderson, David R.** (Medicine, Dalhousie University)
Management of patients with suspected deep vein thrombosis using clinical probability model.
- **Bachelard, H elene** (Medicine, Laval University)
Etude des m echanismes centraux de la r egulation cardiovasculaire chez le rat  veill e.
- **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 Ca²⁺-activated K⁺ channel structure and function.
- **Calderone, Angelo** (Physiology, University of Montreal)
Natriuretic peptide modulation of the cellular events associated with cardiac hypertrophy.
- **Chahine, Mohamed** (Pharmacology, Laval University)
Etude chim erique des canaux sodiques du coeur de l'humain.
- **Chidiac, Peter** (Pharmacology & Toxicology, University of Western Ontario)
Mechanism of receptor-effector coupling specificity.
- **Cianflone, Katherine** (Medicine, McGill University)
Role of ASP: production in human adipocy
- **Davidge, Sandra** (Obstetrics & Gynecology, University of Alberta)
Sex steroids and vascular function.
- **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, C eline** (Pharmacie, Universit e de Montr eal)
Estrogen regulation of cardiac K⁺ 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 preeclampsic hypertension.
- **Guo, Deng-Fu** (Medicine, Universit e de Montr eal)
Identification and characterization of angiotensin II type 1 receptor associated proteins.
- **Hatch, Grant M.** (Pharmacology & Therapeutics, University of Manitoba)
Cardiolipin biosynthesis in mammalian heart and isolated myocytes.
- **Hayward, Catherine P.** (Pathology, McMaster University)
Characterization of multimerin and its role in hemostasis.

- **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).
- **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, Université Laval)
Non-invasive evaluation of pulmonary arterial pressure, valve hemodynamics, and exercise capacity in patients with prosthetic heart valves.
- **Pilote, Louise** (Medicine, Montreal General Hospital)
Health services and outcomes research to assess the treatment and prevention of coronary artery disease.
- **Rindt, Hansjorg** (Research Centre, Montreal Heart Institute)
A molecular tool to study cardiac function.
- **Schultz, Joshua R.** (Pathology & Laboratory Medicine, University of Ottawa)
Hepatic lipase transgenic mice: atherosclerosis susceptibility and modulation by apolipoproteins A-II and E.
- **Sirois, Martin G.** (Medicine, University of Montreal)
Vascular injury and repair: Prevention of restenosis after angioplasty.
- **Smith, Francine G.** (Obstetrics / Gynecology, University of Calgary)
Ontogeny of the renin-angiotensin system.
- **Sparks, Daniel L.** (Pathology, University of Ottawa)
the role of HDL structure and charge in the metabolism of cholesterol.
- **Van Eyk, Jennifer E.** (Physiology, Queen's University)
Molecular mechanisms involved in smooth muscle contractions.
- **Wang, Rui** (Physiology, University of Saskatchewan)
Altered calcium handling mechanisms in vascular smooth muscle cells from diabetic rats.
- **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.