
Baycrest Centre for Geriatric Care Centre Grant Awards

Dr. Maria PJ Huijbregts, Psychology Department
Dr. David L. Streiner, Dr. Jill I. Cameron
Ms. Denise M. Taylor, Dr. Aura Kagan
Ms. Sara McEwen
Filling the community programming gap in northern Ontario: Telehealth dissemination of a stroke self-management program (Stroke Rehabilitation Research Initiative)

Hospital for Sick Children Grant Awards

Dr. Khosrow Adeli, Laboratory Medicine & Pathobiology
Molecular mechanisms of apolipoprotein B degradation

Dr. Khosrow Adeli, Laboratory Medicine & Pathobiology
Molecular mechanisms of hepatic VLDL overproduction in insulin resistance

Dr. Jaques Belik, Division of Neonatology
Dr. Michelle V. Letarte, Dr. Mirjana Jerkic
Dr. Mourad Toporsian
ENOS uncoupling and role of bone morphogenetic protein-9 in the regulation of pulmonary vascular tone during development and following pulmonary hypertension

Dr. Timothy J. Bradley, Division of Cardiology
Dr. Earl D. Silverman, Dr. Joseph Beyene
Dr. Rayfel Schneider, Dr. Brian M. Feldman
Inflammation and atherosclerosis in pediatric rheumatic diseases

Dr. Christopher A. Caldarone, Division of Cardiovascular Surgery
Dr. Andrew N. Redington
Apoptosis-related mitochondrial dysfunction in the neonate after cardioplegic arrest

Dr. Sergio Grinstein, Department of Cell Biology
Dr. William S. Trimble
Dual role of CD36 in macrophages: atherosclerosis and immune responsiveness

Dr. Gil J. Gross, Research Institute
Dr. Andrew N. Redington
Contractile and electrophysiologic adaptations to constrained heart rate conditions

Dr. Gil J. Gross, Research Institute
Ventricular repolarization in bradycardic electrical remodeling

Ms. Colleen Gruenwald, Cardiovascular Perfusion
Dr. Anthony K.C. Chan, Dr. Brian W. McCrindle
Dr. Glen S. Van Arsdeell, Dr. Helen M Holtby
Individualized heparin and protamine management in infants undergoing cardiopulmonary bypass for cardiac surgery reduces bleeding and blood transfusion requirements
Hospital for Sick Children Awards

Dr. Aleksander Hinek, Department of Cardiovascular Research
Elastin as a crucial factor modulating cellular proliferation - relevance to arterial diseases

Dr. James Sanders Hutchison, Critical Care Medicine
Dr. Danica B. Stanimirovic
Adhesion receptors following global cerebral ischemia: Role of adhesion receptor blockade/knockout and hypothermia therapy

Dr. Edgar T. Jaeggi, Division of Pediatric Cardiology
Dr. John CP Kingdom, Dr. Sarah J Keating
Dr. Timothy J. Bradley
Intrauterine growth restriction with early and late onset placental insufficiency: impact on myocardial function and arterial compliance

Dr. Fred W. Keeley, Cardiovascular Research Program
Recombinantly expressed polypeptides of human elastin as a novel tool for investigations of the structure, self-assembly and properties of elastin-like materials

Dr. Michelle V. Letarte, Department of Immunology and Paediatrics
Role of endoglin in normal vasculature and in the pathology of HHT

Dr. Brian W. McCrindle, Labatt Family Health Centre
Dr. Renee Sananes, Dr. Jennifer L. Russell
Ms. Patricia E. Longmuir
Identifying determinants and optimizing rehabilitation of physical activity for children after the fontan procedure

Dr. Hugh O'Brodovich, Department of Paediatrics
New approach to augment clearance of pulmonary edema

Dr. John Parkinson, Department of Genetics and Genomic Biology
Dr. Fred W. Keeley
A combined theoretical/experimental approach to understanding sequence-structure-function relationships in elastin

Dr. Christopher S. Parshuram, Department of Critical Care
Dr. James Sanders Hutchison, Dr. Joseph Beyene
Dr. Patricia Parkin, Ms. Karen Dryden-Palmer
PEWS translation project: from retrospective algorithm to real-time bedside tool

Dr. Margaret L. Rand, Division of Haematology/Oncology
The procoagulant surface of activated platelets: persistence in vitro and in vivo

Dr. Lisa A. Robinson, Research Institute
Regulation of the membrane-anchored chemokine, fractalkine, by thromboxane A2
Hospital for Sick Children Awards

Dr. Earl D. Silverman, Division of Rheumatology
Dr. Joanne M. Bargman, Dr. Joseph Beyene
Dr. Timothy J. Bradley
Role of chronic inflammation and systemic lupus erythematosus-related factors in the
development of premature atherosclerosis in pediatric SLE

Dr. John G. Sled, Research Institute
Dr. S.L.ee Adamson, Dr. B. Lowell Langille
Dr. John CP Kingdom
Three dimensional quantification of the placental vascular tree: relationship with normal
and abnormal fetal growth and hemodynamics

Dr. Glen S. Van Arsdell, Division of Cardiovascular Surgery
Dr. Andrew N. Redington, Dr. Jia Li
Analysis of the mechanisms of altered systemic and cerebral oxygen transport in children
with hypoplastic left heart syndrome undergoing stage I palliation

Dr. Glen S. Van Arsdell, Division of Cardiovascular Surgery
Dr. Jia Li, Dr. Suzanne Laughlin
Dr. Anne-Marie Guerguerian, Dr. Maureen F. Dennis
Dr. Hiroshi Otsubo
The influence of postoperative systemic oxygen transport on neurologic outcomes in infants
undergoing the Norwood procedure with a modified blalock-taussig shunt or a right
ventricle-to-pulmonary artery shunt

Dr. Rae S.M. Yeung, Paediatrics & Immunology
Towards a better understanding of Kawasaki disease

Hospital for Sick Children Personnel Awards

Dr. Rand Askalan, Department of Pediatrics
Neuroprotection by inhibitors of apoptosis proteins following neonatal stroke

Dr. Walter H.A. Kahr, Division of Haematology/Oncology
The role of VPS33B in platelet alpha granule formation

Dr. Mary Anne Opavsky, Division of Paediatrics
The coxsackie-adenovirus receptor in heart infection and heart failure

Mount Sinai Hospital Operating Awards

Dr. John S. Floras, Division of Cardiology
Dr. Gary E. Newton, Dr. John D. Parker
Dr. T. Douglas Bradley, Dr. Vijay S. Chauhan
Multidisciplinary group for the investigation and therapy of human cardiovascular disease
(Program Grant – Core Component)
Mount Sinai Hospital Awards

Dr. Alexander G. Logan, Department of Medicine
Dr. Jane M. Irvine, Dr. Warren J McIsaac
Dr. Denice Feig, Dr. Anthony C. Easty
Mr. Joseph A. Cafazzo, Dr. Peter G. Rossos
Dr. Nancy Davis-Halifax, Dr. Catherine M Kelly
Mr. Robert K. Parkes
  Self-monitoring of blood pressure in primary care in older (45+ years) diabetic patients with uncontrolled systolic hypertension (Elevated Systolic Blood Pressure Research Initiative)

Dr. Gary E. Newton, Department of Medicine
Free radical modulation of sympathetic activity and mechanical efficiency in the normal and failing human heart

Dr. Gary E. Newton, Department of Medicine
Dr. Johane Allard
  Investigations of dietary therapy in human heart failure

Mount Sinai Hospital Personnel Awards

Dr. John D. Parker, Department of Medicine
Clinical studies concerning nitrate pharmacology and autonomic physiology in congestive heart failure

St. Michael's Hospital Awards

Dr. Philip W. Connelly, J. Alick Little Lipid Research Lab.
  Comparative studies of paraoxonase 1 and paraoxonase 3

Dr. Philip W. Connelly, J. Alick Little Lipid Research Lab.
Dr. Duncan J. Stewart
  Molecular mechanisms for oxidation of high density lipoproteins

Dr. Richard E. Gilbert, Department of Medicine
Dr. Kim A. Connelly
  Pathogenetic role of protein kinase c-beta in diabetic cardiomyopathy: interventional and translational studies

Dr. Howard M. Leong-Poi, Division of Cardiology
Dr. Duncan J. Stewart, Dr. Peter L. Gross
  Site-targeted imaging and delivery of cell-based therapy

Dr. Valery Leytin, Department of Transfusion Medicine
Dr. Peter L. Gross
  Platelet apoptosis induced by chemical agonists and shear stresses

Dr. Heyu Ni, Department of Lab.Medicine & Pathobiology
  Novel mechanisms of platelet aggregation: role of alternative ligands of beta3 integrin in thrombosis and hemostasis
**St. Michael's Hospital Awards**

**Dr. Duncan J. Stewart, Department of Medicine**  
*Dr. Mansoor Husain, Dr. Robin N. Han*  
NO synthase in cardiovascular health and disease

**Dr. Subodh Verma, Cardiovascular & Thoracic Surgery**  
*Dr. Duncan J. Stewart, Dr. Gavin Y. Oudit*  
ACE2: Novel regulator of endothelial function and atherosclerosis

**St. Michael's Hospital Personnel Awards**

**Dr. Abdul O. Al-Hesayen, Department of Medicine - Division of Cardiology**  
Exploring the role of cGMP in human heart failure

**Dr. David A. Alter, Department of Medicine**  
Cardiovascular treatment & outcomes disparities among high-risk populations

**Dr. Julian Spears, Surgery and Medical Imaging**  
International, prospective, multi-center study of radiographic and clinical events in the management of cerebral aneurysms >= 1cm

**Sunnybrook Health Sciences Centre Awards**

**Dr. Daniel J. Dumont, Department of Molecular & Cellular Biology**  
Molecular studies examining the role of lymphangiogenic signalling in heart disease

**Dr. Stephen E. Fremes, Division of Cardiology**  
*Dr. Christopher M. Feindel, Dr. Richard J. Novick*  
Dr. Fraser D. Rubens, Dr. Jack V. Tu  
Dr. Geoffrey M. Anderson, Dr. C. David Mazer  
Dr. Veena Guru, Dr. Neill K.J. Adhikari  
Dr. Robert A. Fowler, Dr. Damon C Scales  
Unraveling the black box of adverse events in cardiac surgery

**Dr. Margaret R. Hough, Department of Molecular & Cellular Biology**  
*Dr. Alexander J. Dick*  
Cardiac repair and regeneration

**Dr. Krista L. Lanctot, Department of Pharmacology**  
*Dr. Sandra E. Black, Dr. Nathan Herrmann*  
Dr. Demetrios James Sahlas, Dr. Jon E. Ween  
Dr. David J. Gladstone  
The role of cytokine-serotonin interactions in post-stroke depression
Sunnybrook Health Sciences Centre Awards

**Dr. Martin G. Myers, Division of Cardiology**
*Dr. Sheldon W. Tobe, Dr. Janusz Kaczorowski  
Dr. Marshall S. Godwin, Dr. Alexander J Kiss  
Dr. Martin Dawes*
Automated office blood pressure measurement (Elevated Systolic Blood Pressure Research Initiative)

**Dr. Mira C. Puri, Molecular and Cell Biology**
Role of endoglin in mammalian cardiovascular development

**Dr. Jack V. Tu, Department of Medicine**
*Dr. Peter C. Austin, Dr. David A. Alter  
Mr. Muhammad Mamdani, Dr. Dennis T. Ko  
Dr. Douglas S. Lee, Dr. David N. Juurlink*
Improving the quality of acute myocardial infarction care in Canada

Sunnybrook Health Sciences Centre Personnel Awards

**Dr. Clare Atzema,**
Emergency department triage and time to ECG: the effect on reperfusion delays for AMI patients

**Dr. David J. Gladstone, Division of Neurology**
Stroke prevention for high-risk patients: Identifying barriers and creating solutions

**Dr. Dennis T. Ko,**
Appropriateness and necessity of coronary angiogram

**Dr. Jack V. Tu, Department of Medicine**
Improving the quality of heart and stroke care in Canada

**Dr. Burton B. Yang, Department of Neuroscience Research**
Roles of versican in mediating leukocyte and endothelial cell activities

University Health Network Awards

**Dr. Peter H. Backx, Department of Physiology & Medicine**
Role of inward rectifier k+ and HCN channels in heart

**Dr. Vijay S. Chauhan, Department of Medicine**
Characterizing ventricular repolarization alternans in human cardiomyopathy

**Dr. Angela M. Cheung, Department of Medicine**
*Dr. Moira K. Kapral*
The role of vitamin K in aortic calcification in postmenopausal women: an exploratory analysis
University Health Network Awards

Dr. Myron I. Cybulsky, Laboratory Medicine and Pathobiology
Regional differences in the arterial intima that predispose the artery wall to atherogenesis

Dr. Myron I. Cybulsky, Laboratory Medicine and Pathobiology
Monocyte recruitment in atherosclerosis

Dr. James H. Eubanks, Cellular & Molecular Biology
Methyl DNA-binding factor complexes and neurodegeneration

Dr. Michael G. Fehlings, Department of Neurosurgery
Dr. Alexander A. Velumian
The ischemic axon: cross-talk with myelin in K+ channel terms

Dr. Christopher M. Feindel, Division of Cardiovascular Surgery
Dr. Vivek Rao
Erythropoietin and hypertonic saline for cardiac transplant

Dr. Avrum I. Gotlieb, Lab. Medicine & Pathobiology
Cell biology of heart valve interstitial cells

Dr. David R. Grant, Department of Surgery
Dr. S.L. ee Adamson, Dr. Gary A. Levy
Dr. Reginald M. Gorczynski, Dr. M. James Phillips
Role of fg12 in transplantation and cardiac development

Dr. Mansoor Husain, Division of Cellular & Molecular Biology
Dr. Daniel J. Drucker
Role of glucagon-like peptides in cardiac health and disease

Dr. Mitsuhiko Ikura, Division of Signaling Biology
Structural elucidation of intracellular calcium transporters

Dr. Jane M. Irvine, Department of Psychology
Dr. Paul Dorian, Dr. David M. Newman
Dr. Louise Harris, Dr. Paul G. Ritvo
Ms. Jill Stanley, Dr. Samuel F. Sears
Dr. Robert A. Cribble
Psychological support for implantable defibrillator patients

Dr. Rama Khokha, Division of Signaling Biology
Molecular dissection of the distinct function of TIMP-3 and TIMP-4 in heart disease

Dr. B. Lowell Langille, Division of Cellular & Molecular Biology
Arterial responses to hemodynamic stresses
University Health Network Awards

Dr. B. Lowell Langille, Division of Cellular & Molecular Biology
Dr. Michelle P. Bendeck
Cadherins and regulation of smooth muscle cell function

Dr. Gary F. Lewis, Department of Medicine
Regulation of HDL metabolism

Dr. Ren-Ke Li, Laboratory Medicine and Pathobiology
Matrix modulation is required to restore cardiac function after cell therapy

Dr. Peter P. Liu, Department of Medicine
Dr. Duncan J. Stewart
T-Cell Based Immune Mechanisms of Chlamydial Vascular Injury

Dr. Peter P. Liu, Department of Medicine
Dr. Wen-Chen Yeh
"Danger signal", cell injury and "innate immune response" in regulating inflammation in cardiovascular disease

Dr. Peter P. Liu, Department of Medicine
Dr. Jeffrey A. Medin
Homing signals and cell mobilization in cardiac remodeling post myocardial infarction

Dr. Sukriti Nag, Department of Lab Medicine & Pathobiology
Dr. Duncan J. Stewart
Regulation of cerebrovascular homeostasis and repair by angiogenic factors

Dr. Vivek Rao, Department of Surgery
Mechanisms of transplant related vascular injury

Dr. Lyanne C. Schlichter, Department Cellular and Molecular Biology
Dr. James Peeling, Dr. Dale R. Corbett
Targeting K channels to control inflammation in stroke

Dr. Lyanne C. Schlichter, Department Cellular and Molecular Biology
Novel strategies to regulate microglia activation and neurotoxicity

Dr. Candice K. Silversides, Department of Medicine
Dr. Samuel C. Siu, Dr. Jack M. Colman
Dr. Matthew Sermer
Hemodynamics and hormonal changes in pregnant women with cardiac disease: understanding the effects of pregnancy on the diseased heart

Dr. Samuel C. Siu, University Hospital
Dr. Venera C. Bruto, Dr. Jack M. Colman
Dr. Mathew Sermer, Dr. Candice K. Silversides
Neurodevelopmental outcomes in offsprings of women with heart disease
University Health Network Awards

Dr. Shuzo Sugita, Department of Physiology
Roles for CAPS1 in loading, storage and secretion of catecholamines in pheochromocytoma cells

Dr. Thomas K. Waddell, Department of Surgery
The role of galectin-3 in xenograft rejection

Dr. Qi Wan, Department of Cellular and Molecular Biology
PTEN suppression-mediated neuroprotection in stroke

Dr. Richard D. Weisel, Department of Surgery
Dr. Shafie Fazel
Cardiac regeneration by cell transplantation

Dr. Richard D. Weisel, Department of Surgery
Dr. Shafie Fazel
Cardiac regeneration: improving the response to injury

Dr. Duminda N. Wijeysundera, Department of Anesthesia
Dr. William S. Beattie, Dr. Barry B. Rubin
Dr. Neal H. Badner, Dr. Diego H. Delgado
Dr. Peter T.L. Choi
The EPIC (evaluating perioperative ischemia reduction by clonidine) study: a randomized, triple-blinded, placebo-controlled trial of combining clonidine with chronic beta-blockade in intermediate-to-high risk non-cardiac surgery

Dr. Duminda N. Wijeysundera, Department of Anesthesia
Is preoperative evaluation an opportunity to address the evidence-to-care gap in cardiovascular disease? (The Rick Gallop Award)

Dr. Syed H.E. Zaidi, Department of Medicine
Roles of growth differentiation factor 5 and bone morphogenetic protein 4 in cardiovascular diseases

University Health Network Personnel Awards

Dr. Vijay S. Chauhan, Department of Medicine
Characterizing ventricular repolarization alternans in human cardiomyopathy

Dr. Myron I. Cybulsky, Laboratory Medicine and Pathobiology
Initiation of atherosclerosis: mechanisms and cell biology

Dr. Ren-Ke Li, Laboratory Medicine and Pathobiology
Restoration of cardiac function: cellular regeneration and matrix reconstruction
University of Toronto Awards

Dr. Michelle P. Bendeck, Laboratory Medicine and Pathobiology
Discoidin domain receptors (DDR1) in atherosclerosis

Dr. Steffen-Sebastian Bolz, Department of Physiology
Mechanisms that regulate the pressure-dependent activation of the sphingosine-1-phosphate signalling pathway in resistance arteries

Dr. Dina Brooks, Department of Physical Therapy
Dr. Sandra E. Black, Dr. William E. McIlroy
Dr. Demetrios James Sahlas, Dr. Paul Oh
Dr. Mark T. Bayley, Dr. Denyse L. Richardson
Cardiac rehabilitation after stroke

Dr. Zhong-Ping Feng, Department of Physiology
Modulatory mechanisms underlying expression of cardiac voltage-dependent calcium channels

Dr. France Gagnon, Department of Public Health Sciences
Dr. Philip S. Wells, Dr. Dennis E. Bulman
Genome-wide search for oligogenes in factor V Leiden thrombophilia

Dr. Herbert Y. Gaisano, Department of Medicine
SNARE regulation of cardiac sulfonylurea receptor. a novel drug target for cardiac ischemia

Dr. Adria Giacca, Department of Physiology
Dr. George I. Fantus
Anti-atherogenic effect of insulin in vivo

Dr. Jack M. Goodman, Faculty of Physical Education and Health
Dr. Zion Sasson
Effects of prolonged strenuous exercise on left ventricular function

Dr. Anthony O. Gramolini, Department of Physiology
Molecular basis of PLN regulation and function in cardiac muscle

Dr. Scott P. Heximer, Department of Physiology
Defining the role of RGS2 as a mediator of vascular signaling and blood pressure regulation

Dr. B. Lowell Langille, Division of Cellular & Molecular Biology
Dr. Michelle P. Bendeck, Dr. David W. Courtman
Dr. Myron I. Cybulsky, Dr. Avrum I. Gotlieb
Dr. Mansoor Husain, Dr. Philip A. Marsden
Dr. Duncan J. Stewart, Dr. Bradley H. Strauss
Dr. Michael E. Ward, Dr. Scott P. Heximer
Cell Biology of Atherosclerosis (Program Grant – Core Component)

Dr. Philip A. Marsden, Department of Medicine
Post-transcriptional regulation of eNOS expression
University of Toronto Awards

Dr. Philip A. Marsden, Department of Medicine
Regulated expression of the human nNOS gene

Dr. Christopher A. McCulloch, Department of Dentistry
Dr. Craig A. Simmons
Regulation of myofibroblast differentiation by mechanical loading

Dr. Michal J. Opas, Department of Lab. Medicine & Pathobiology
Calreticulin: cell and developmental biology

Dr. Milica Radisic, Chemical Eng. & Applied Chemistry
Dr. Ren-Ke Li, Dr. Maria Ann Rupnick
Peptide modified photocrosslinkable chitosan for cell therapy in myocardial infarction

Dr. Elizabeth A Rochon, Department of Speech-Language Pathology
Dr. Simon J. Graham, Dr. Cheryl L Grady
Dr. Carol Leonard
Understanding the behavioural, neural and communicative changes underlying the treatment for anomia in aphasia

Dr. Craig A. Simmons, Department of Mech. & Ind. Engineering
Dr. Christopher A. McCulloch
The role of extracellular matrix biomechanics in aortic valve sclerosis

Dr. Kevin Truong, Biomaterials and Biomedical Eng
Deciphering Ca2+ signaling between subcellular organelles using fluorescent protein biosensors expressed in living cells

Dr. Robert G. Tsushima, Department of Biology
Dr. Herbert Y. Gaisano
Snare protein modulation of cardiac Kv channels

Dr. James W. Wells, Faculty of Pharmacy
Nature of the signalling complex between cardiac muscarinic receptors and G proteins

Dr. Peter W. Zandstra, Institute of Biomaterials & BioMedicine Eng.
Dr. Mansoor Husain, Dr. Kumaraswamy Nanthakumar
Controlling bioreactor condition to optimize regenerative potential of cardiomyocytes

University of Toronto Personnel Awards

Dr. Peter H. Backx, Department of Physiology & Medicine
Mechanisms of heart disease

Dr. Michelle P. Bendeck, Laboratory Medicine and Pathobiology
Smooth muscle cell interactions with the extracellular matrix in atherosclerosis

Dr. Filio Billia, Department of Medicine
Regulation of cardiac muscle growth and proliferation by cytoplasmic p27K1P1
University of Toronto Personnel Awards

Dr. John S. Floras, Division of Cardiology
Cardiovascular regulation in men and women with heart failure and hypertension

Dr. Mansoor Husain, MaRS, East Tower TMDT 3-909
Molecular regulation of vascular smooth muscle cell proliferation and contractility

Dr. Gary F. Lewis, Department of Medicine
Mechanism of the dyslipidemia of insulin resistance and Type 2 diabetes

Dr. Philip A. Marsden, Department of Medicine
The human nitric oxide synthase genes: relevance to disease

Dr. Philip A. Marsden, Department of Medicine
The Sifton Distinguished Scientist Award

Dr. David A. Steinman, Mechanical & Industrial Engineering
Image-based modelling of hemodynamics and cerebrovascular disease

York University Grant Awards

Dr. Tara L. Haas, School of Kinesiology and Health Sciences
The regulation of angiogenic factors by shear stress

Dr. Gary Sweeney, Department of Biology
Direct effects of adiponectin on cardiomyocytes

London Health Sciences Centre Grant Awards

Dr. Sanjay Mehta, Victoria Hospital
Dr. David G. McCormack
Microvascular endothelial cell injury in murine sepsis

Dr. Tianqing Peng, Critical Illness Research Program
Dr. Qingping Feng
PLCgamma/IP3 signaling regulates cardiac TNF-alpha expression in sepsis

Dr. Karel Tyml, Centre for Critical Illness Research
Dr. John X. Wilson, Dr. Gerald M. Kidder
Microvascular dysfunction in sepsis

Lawson Health Research Institute Grant Awards

Dr. Gediminas Cepinskas, Centre for Critical Illness Research
Cerebrovascular endothelial cell dysfunction in sepsis: role of astrocytes

Dr. Qingping Feng, Department of Physiology and Pharmacology
Cardioprotection by erythropoietin: role of nitric oxide
Lawson Health Research Institute Grant Awards

Dr. Neville Suskin, Dept of Medicine (Cardiology)
Dr. Vladimir Hachinski, Dr. Andrew L. Pipe
Dr. Robert D. Reid, Dr. Richard K.T. Chan
Dr. Peter L. Prior, Dr. Mukul Sharma
  Comprehensive cardiac rehabilitation programming for patients following transient ischemic attack

Dr. Zhu-Xu Zhang, Multi Organ Transplantation Program
Dr. Robert Zhong, Dr. Wei-Ping Min
  Therapeutic potential and mechanism of double-negative regulatory T (DN-Treg) cells mediated tolerance in heart transplantation

Robarts Research Institute Grant Awards

Dr. Robert Bartha, Imaging Research Laboratory
Dr. Ting-Yim Lee, Dr. Anargyros Xenocostas
  New metabolic imaging approaches to assess brain tissue viability

Dr. Sean P. Cregan,
  p53 signaling in oxidative damage induced neuronal apoptosis

Dr. Ross D. Feldman, Department of Medicine
Dr. Stanislaus H.M. van Uum
  Determinants of adenyl cyclase mediated vascular responses

Dr. Ross D. Feldman, Department of Medicine
Dr. Stanislaus H.M. van Uum
  Acute vascular effects of aldosterone

Dr. Stephen G. Ferguson, Neurodegeneration Research Group
  Regulation of G protein-coupled receptor signaling desensitization and resensitization

Dr. Robert A. Hegele, Department of Medicine & Biochemistry
  Phenomics and genomics of atherosclerosis in monogenic metabolic syndrome

Dr. Robert A. Hegele, Department of Medicine & Biochemistry
  Genomics of hypertriglyceridemia

Dr. David W. Holdsworth, Imagin Research Lab.
Dr. Richard N. Rankin
  Investigation of flow in the stenosed carotid bifurcation

Dr. Murray W. Huff, Vascular Biology Group
Dr. Stephen G. Ferguson, Dr. Robert A. Hegele
Dr. J. Geoffrey Pickering
  Cellular Programs and Responses in Atherosclerosis (Program Grant – Core Component)
Robarts Research Institute Grant Awards

Dr. Alexandra R. Lucas, Faculty of Medicine and Dentistry
Dr. J. David Spence
Serpin regulation of innate immune response and vascular repair

Dr. J. Geoffrey Pickering, Robarts Research Institute
Regulation of smooth muscle cell differentiation and longevity

Dr. J. David Spence, Stroke Prevention & Atherosclerosis RC
Dr. Robert A. Hegele, Dr. Alexandra R. Lucas
Dr. Joaquin Madrenas
Biomarkers in vulnerable carotid plaque with microemboli or ulcers

Dr. J. David Spence, Stroke Prevention & Atherosclerosis RC
Dr. Aaron Fenster, Dr. Grace Parraga
Dr. Andrew A. House
3D Ultrasound phenotypes and vascular risk

Robarts Research Institute Personnel Awards

Dr. Maria Drangova, Imaging Research Laboratories
Cardiac imaging for therapy guidance and pre-clinical research studies

Dr. Stephen G. Ferguson, Neurodegeneration Research Group
Molecular Regulation of G Protein-coupled Receptor Signal Transduction Complexes

Dr. Robert Gros, Vascular Biology Group
Maureen Andrew New Investigator Award

Dr. Robert A. Hegele, Department of Medicine & Biochemistry
Genetic determinants of coronary heart disease

University of Western Ontario Grant Awards

Dr. Derek R. Boughner, Department of Medicine
Dr. Kem A. Rogers, Dr. James C. Lacefield
A tissue engineering approach to bioprosthetic heart valve design

Dr. Subrata Chakrabarti, Department of Pathology
Dr. Morris Karmazyn
Vasoactive and cardioactive factors in diabetic heart disease

Dr. Sudhir J.A. D'Souza, Department of Physiology & Pharmacology
Dr. Lina Dagnino
Integrin-linked kinase and elmo in endothelial migration and phagocytosis
University of Western Ontario Grant Awards

Dr. S. Jayne Garland, School of Physical Therapy
Standing balance following stroke: a novel approach for postural muscle retraining

Dr. James R. Hammond, Department of Physiology & Pharmacology
Role of nucleoside transporters in the regulation of the vascular effects of adenosine and its metabolites

Dr. Murray W. Huff, Vascular Biology Group
Regulation of ApoB metabolism: relationship to atherosclerosis

Dr. Morris Karmazyn, Department of Physiology & Pharmacology
Modulation of cardiomyocyte hypertrophy by nitric oxide and endothelin-1 in the aging myocardium

Dr. Morris Karmazyn, Department of Physiology & Pharmacology
Dr. Michael A. Cook
Role of adenosine in myocardial hypertrophy and heart failure

Dr. Andrew D. Krahn, Department of Medicine, Cardiology
Dr. David H. Birnie, Dr. Michael H. Gollob
Clinical and genetic assessment of primary electrical disease

Dr. Wei-Ping Min, Department of Surgery
Protection of heart grafts in transplantation through RNA interference

Dr. Martin Sandig, Department of Anatomy and Cell Biology
Integrin signaling in monocyte transendothelial migration

Dr. Karel Tyml, Centre for Critical Illness Research
Dr. Dale W. Laird
Hypoxia/reoxygenation and vascular cell coupling

Dr. Hao Wang, Department of Surgery
Dr. Robert Zhong
Tolerance induction through targeting memory T cells by blocking OX40 signaling pathway in presensitized recipients

Dr. Kaiping Yang, Obstetrics & Gynaecology
Dr. David J. Hill, Dr. Edith J.R. Arany
Early-life origins of visceral adiposity

University of Western Ontario Personnel Awards

Dr. Qingping Feng, Department of Physiology and Pharmacology
Mechanisms of heart failure

Dr. J. Geoffrey Pickering, Robarts Research Institute
Role of Smooth Muscle Cells in Vascular Disease
University of Windsor Grant Awards

Dr. Siyaram Pandey, Department of Chemistry & Biochemistry
Dr. W.R. Tanner
Identification and functional characterization of unique single domain intrabodies against pro-apoptotic proteins and their application in the discovery of novel pharmacophore

University of Windsor Personnel Awards

Dr. Arpita Bose, Department of Psychology
Recovery in post-stroke aphasia: psycholinguistics and psychosocial perspective

Queen's University Grant Awards

Dr. Michael A. Adams, Department of Pharmacology & Toxicology
Dr. Jeremy P.W. Heaton
Antihypertensive treatment strategies in the management of sexual dysfunction

Dr. R. David Andrew, Department of Anatomy & Cell Biology
Imaging and preventing early stroke damage in intact mammalian neurons

Dr. Michael B. Boffa, Department of Biochemistry
The TAFI pathway in thrombolysis: regulation of TAFI activation and role of the platelet pool of TAFI

Dr. Brenda Brouwer, School of Rehabilitation Therapy
Dr. S. Jayne Garland, Dr. Dianne M. Bryant
Dr. Denise M. Connelly, Dr. Monica R. Maly
Dr. Patricia M. Minnes, Dr. Norma J. MacIntyre
Dr. Lucie C. Pelland
Client-centred 'tune-ups': do they enhance physical capacity, mobility function and community reintegration in stroke survivors? (Stroke Rehabilitation Research Initiative)

Dr. Graham P. Cote, Department of Biochemistry
Formation and function of invadopodia in vascular smooth muscle cells

Dr. Alastair Ferguson, Department of Physiology
Adiponectin actions in autonomic control centres of the brain

Dr. Colin D. Funk, Department of Physiology
COX-2 pathway and cardiovascular disease

Dr. Charles H. Graham, Department of Anatomy and Cell Biology
Dr. Michael A. Adams
Mechanisms regulating the development and pathophysiology of pre-eclamptic hypertension
Queen's University Grant Awards

Dr. Marlys L. Koschinsky, Department of Biochemistry
Interaction of Lp(a) with the plasminogen system: mechanisms and pathophysiological consequences

Dr. Marlys L. Koschinsky, Department of Biochemistry
The pathophysiology of Lp(a) in the arterial wall: effect of Apo(a) on vascular cell function

Dr. David Lillicrap, Department of Pathology & Molecular Medicine
Dr. Paula D. James
The role of von Willebrand factor in arterial thrombosis

Dr. Alan S. Mak, Department of Biochemistry
Cortactin and caldesmon in vascular smooth muscle cell migration and invasion

Dr. Donald H. Maurice, Pharmacology and Toxicology
PDEs in blood vessels

Dr. Michael E. Nesheim, Department of Biochemistry
The activation of TAFI and the properties of TAFIa

Dr. Stephen C. Pang, Department of Anatomy and Cell Biology
Dr. Charles H. Graham, Dr. Luis Gabriel Melo
Hypoxia inducible expression of atrial natriuretic peptide: a potential preemptive therapy for myocardial infarction

Dr. Steven P. Smith, Department of Biochemistry
Lipoprotein(a) in atherosclerosis: assembly and interaction with extracellular matrix Proteins

Dr. Christopher A. Ward, Department of Physiology
Dr. Kofo O. Ogunyankin
Cell-based gene therapy strategy to enhance neovascularization and healing of infarcted myocardium

Queen's University Personnel Awards

Dr. Colin D. Funk, Department of Physiology
Lipoxxygenase and cyclooxygenase pathways in cardiovascular disease

Dr. Marlys L. Koschinsky, Department of Biochemistry
Mechanisms of atherothrombosis: analysis of lipoprotein and fibrinolytic risk factors
Queen's University Personnel Awards

Dr. David Lillicrap, Department of Pathology & Molecular Medicine
The role of von Willebrand factor in arterial thrombosis

Dr. Donald H. Maurice, Pharmacology and Toxicology
PDEs in blood vessels

Ottawa Health Research Institute Grant Awards

Dr. Ashraf A. Fayad, Department of Anesthesiology
Dr. Terrence D. Ruddy, Dr. Homer Yang
Dr. George A. Wells, Dr. James M. Watters
Peri-operative myocardial ischemia in isolated systolic hypertension (PROMISE)
(Elevated Systolic Blood Pressure Research Initiative)

Dr. Hillel M. Finestone, Physical Medicine and Rehabilitation
Dr. Shawn C. Marshall, Mr. Keith F.P. O'Rourke
Dr. Richard S. Blair
Driving post-stroke: a prospective study of community integration and driving habits

Dr. Robert J.G. Hache, Hormones, Growth & Development
Regulation of human primary preadipocyte differentiation by glucocorticoids

Dr. Lynn A. Megeney, Department of Medicine
Caspase mediated induction of cardiac hypertrophy

Dr. Catherine E. Morris, Faculty of Medicine
The mechanosensitivity of pacemaker channels

Dr. Leo P. Renaud, Department of Neurosciences
Suprachiasmatic nucleus efferents

Dr. Ruth Slack, Faculty of Medicine
Regulation of Mcl1 to treat stroke

Dr. Ruth Slack, Faculty of Medicine
Mitochondrial dynamics in neuronal injury

Dr. Alexander Sorisky, Hormones, Growth & Development
Pro-atherogenic responses of human adipocytes to TSH

Dr. Rhian M. Touyz, Kidney Research Centre
Vascular regulation by magnesium in hypertension
**Ottawa Health Research Institute Grant Awards**

**Dr. Philip S. Wells, Division of Hematology**  
*Dr. Marc A. Rodger, Dr. Mark C. Walker*  
*Dr. France Gagnon*  
Thrombophilia: from bench to bedside to health economics and policy  
(Program Grant – Core Component)

**Dr. Xiaohui Zha, Hormone, Growth and Development Group**  
ABCA1-mediated cholesterol efflux and intracellular cholesterol transport

**Dr. Deborah L. Zimmerman, Department of Medicine**  
*Dr. Paul C. Hebert, Dr. Marcel Ruzicka*  
*Dr. Dean A. Fergusson, Dr. Kevin D. Burns*  
Control of hypertension in end stage renal disease, a randomized cross-over study  
comparing daily hemofiltration to conventional hemodialysis

**Ottawa Health Research Institute Personnel Awards**

**Dr. David S. Park, Faculty of Medicine**  
Pathways which regulate neuronal death

**University of Ottawa Grant Awards**

**Dr. John W. Copeland, Faculty of Medicine**  
Role of formin proteins in shear stress-induced cytoskeletal remodeling in endothelial cells

**Dr. Mary-Ellen Harper, Department of Biochemistry**  
*Dr. Ruth McPherson*  
Novel AMPK-gamma mutations in humans: implications for skeletal muscle energy metabolism

**Dr. Sheng T. Hou, Institute for Biological Sciences**  
Semaphorin-3A’s role in axonal degeneration and regeneration following cerebral ischemia

**Dr. Mindy F. Levin, School of Physical & Occupational Therapy**  
*Dr. Heidi Sveistrup, Dr. Alain Ptito*  
Optimizing arm motor recovery in stroke

**Dr. Paul Morley, Department of Physiology**  
Synaptic and extrasynaptic NMDA receptors in preconditioning

**Dr. David S. Park, Faculty of Medicine**  
*Dr. Paul R. Albert*  
Mechanisms of delayed death in stroke

**Dr. David S. Park, Faculty of Medicine**  
Oxidative stress and ischemic death
University of Ottawa Grant Awards

Dr. Danica B. Stanimirovic, Cellular Neurobiology Group  
*Dr. Maria J. Moreno*  
Astrocyte-endothelial cell interactions in hypoxia: role of P1GF in hypoxia-induced brain angiogenesis

Dr. Balwant S. Tuana, Department of Cellular & Molecular Medicine  
SLMAPs: Sarcolemmal membrane associated proteins and E-C coupling

Dr. Zemin Yao, Biochemistry, Microbiology & Immunology  
Analysis of non-truncation apoB mutations associated with human familial hypobetalipoproteinemia

Dr. Xia Zhang, Department of Psychiatry  
Poststroke treatment with cannabinoids for promoting neuronal regeneration

University of Ottawa Personnel Awards

Dr. Zemin Yao, Biochemistry, Microbiology & Immunology  
Studies of the mechanisms of familial hyperlipidemia: a cellular and molecular approach

University of Ottawa Heart Institute Grant Awards

Dr. Rob S. B. Beanlands, Department of Medicine  
*Dr. Ian G. Burwash, Dr. Robert A. de Kemp*  
*Dr. John S. Floras, Dr. Jean N. DaSilva*  
*Dr. Haissam Haddad, Dr. Judith A. Leech*  
Effects of continuous positive airway pressure therapy on myocardial energetics and sympathetic nerve function in patients with heart failure and obstructive sleep apnea

Dr. Rob S. B. Beanlands, Department of Medicine  
*Dr. Robert A. de Kemp, Dr. Marc Andre Ruel*  
*Dr. Jean N. DaSilva, Dr. Mary-Ellen Harper*  
*Dr. Michael H. Gollob, Dr. Erik J. Suuronen*  
Elucidation of metabolic and cellular function alterations in dysfunctional myocardium and their response to therapy (Program Grant – Core Component)

Dr. Michael H. Gollob, Department of Medicine  
*Dr. Rob S. B. Beanlands, Dr. Robert A. de Kemp*  
*Dr. Robert Roberts, Dr. Alexandre F.R. Stewart*  
Pathophysiologic study of the role of AMPK in cardiac arrhythmias, conduction system development, and metabolic cardiomyopathy

Dr. Michael H. Gollob, Department of Medicine  
*Dr. Anthony S.L. Tang, Dr. George A. Wells*  
*Dr. Robert Roberts*  
Genetic predictors of ventricular arrhythmias in patients with heart failure
University of Ottawa Heart Institute Grant Awards

**Dr. Frans H.H. Leenen, Department of Medicine**
*Dr. Edward R. O'Brien, Dr. Frederique Tesson*
*Dr. Balwant S. Tuana, Dr. Stewart C. Whitman*
Molecular and genetic bases for coronary artery disease and the progression to heart failure (Program Grant – Core Component)

**Dr. Yves L. Marcel, Lipoproteins & Atherosclerosis**
*Dr. Ruth McPherson*
The genetic basis of cholesterol efflux defects in hypoalphalipoproteinemia

**Dr. Heidi M. McBride, Lipoproteins and Atherosclerosis Group**
Mechanisms and functions of mitochondrial derived vesicles

**Dr. Ruth McPherson, Department of Medicine**
Genetic determinants of HDL-C

**Dr. Ross W. Milne, Pathology & Laboratory Medicine**
*Dr. Stewart C. Whitman, Dr. Sylvie F. Braschi*
Advanced glycation end products and diabetic atherosclerosis

**Dr. Edward R. O'Brien, Department of Medicine**
NM23-H2, an estrogen receptor beta associated protein: alterations in signal regulation and role in vascular cell function

**Dr. Robert D. Reid, Department of Medicine**
*Dr. Andrew L. Pipe, Ms. Heather Sherrard*
An interactive, voice response-mediated, follow-up and triage system for smoking cessation in smokers with CHD

**Dr. Robert D. Reid, Department of Medicine**
*Dr. Andrew L. Pipe, Dr. Andreas T. Wielgosz*
*Dr. Lyall A.J. Higginson, Dr. George A. Wells*
*Dr. Neil B. Oldridge, Dr. Chris M. Blanchard*
Efficacy and cost-effectiveness of behavioural counselling for exercise behaviour in men and women following AMI and PCI

**Dr. Robert D. Reid, Department of Medicine**
*Dr. George A. Wells, Dr. Chris M. Blanchard*
*Ms. Patricia O'Farrell, Ms Lori J. Mosca*
*Ms. Heidi Y. Mochari, Ms. Sophia Papadakis*
*Ms. Louise J. Beaton, Dr. Monika E.M. Slovinec D'Angelo*
A program to reduce cardiovascular risk among family members of patients with coronary heart disease

**Dr. Marc Andre Ruel, Division of Cardiac Surgery**
*Dr. Rob S. B. Beanlands, Dr. Robert A. de Kemp*
*Dr. John P. Veinot, Dr. Jean N. DaSilva*
*Dr. Erik J. Suuronen*
Evaluation of biopolymer delivered EPCs for cardiac repair in a swine model of hibernating myocardium
University of Ottawa Heart Institute Grant Awards

Dr. Daniel L. Sparks, Pathology & Laboratory Medicine  
The role of HDL in triglyceride metabolism

Dr. Daniel L. Sparks, Pathology & Laboratory Medicine  
Regulation of ApoA-I synthesis and secretion by phosphatidylinositol

Dr. Frederique Tesson, Department of Biochemistry and Microbiology  
Dr. Frans H.H. Leenen, Dr. Marc Andre Ruel  
Genetic approach to heart failure

Dr. Stewart C. Whitman, Pathology and Laboratory Medicine  
The role of the innate immune system in atherosclerosis: defining the contribution of both natural killer cells and natural killer T cells to the disease process

Dr. Zemin Yao, Biochemistry, Microbiology & Immunology  
Interrelationship between hepatic lipase expression, proinflammatory cytokines, and HDL metabolism

University of Ottawa Heart Institute Personnel Awards

Dr. David H. Birnie, Division of Cardiology  
Importance of mechanical dyssynchrony and resynchronization therapy in heart failure patients

Dr. Michael H. Gollob, Department of Medicine  
Genetic determination of atrial fibrillation

Dr. Jiangfeng Sun, Vascular Biology Laboratory  
Evelyn McGloin Fellowship
Brock University Grant Awards

Dr. Deborah D. O'Leary, Community Health Services
Dr. Panagiota K lentrou, Dr. Bareket Falk
Dr. Paul J. LeBlanc
The effects of body composition on arterial stiffness and baroreflex function in children

Dr. Terrance J. Wade, Community Health Sciences
Dr. J. Kevin Shoemaker, Dr. Deborah D. O'Leary
Dr. Panagiota K lentrou, Dr. Paul J. LeBlanc
Dr. John A. Hay, Dr. John Cairney
Dr. Jian Liu, Dr. Brain D. Roy
Dr. Colleen Hood, Dr. Dawn M. Zingga
Social Determinants of Child Hypertension (Social Determinants of Hypertension Research Initiative)

Dr. Hui Di Wang, Department of Community Health Sciences
Reactive oxygen species mediates angiotensin II induced ET-1 release from vascular adventitial fibroblasts

McMaster University Grant Awards

Dr. Sonia Anand, Department of Medicine
Dr. Salim Yusuf, Dr. Hertzel C. Gerstein
Ms. Janice M. Pogue, Dr. Jacqueline J. Bosch
Dr. Daniel Gaudet, Dr. Anwar Merchant
Dr. Benard D. Keavney
EpiDREAM - A prospective cohort study to determine environment and genetic determinants of metabolic syndrome related factors

Dr. Uma H. Athale, Department of Paediatrics
Dr. Anthony K.C. Chan, Dr. Albert Moghrabi
Dr. Lehana Thabane, Dr. Lewis B. Silverman
Evaluation for inherited and acquired prothrombotic defects predisposing to symptomatic thromboembolism in children with acute lymphoblastic leukemia

Dr. Richard C. Austin, Department of Pathology
Role of the sterol regulatory element-binding proteins in foam cell formation and atherogenesis

Dr. Richard C. Austin, Department of Pathology
Inhibition of tissue factor procoagulant activity by GRP78 and its role in thrombosis

Dr. John P. Capone, Department of Biochemistry
Dr. R.A. Rachubinski
Function and mechanisms of action of peroxisome proliferator-activated receptors

Dr. Anthony K.C. Chan, Department of Paediatrics
Surface mechanisms of anticoagulant ATH complex

Dr. Bryan J. Clarke, Department of Pathology & Molecular Medicine
Factor VII as an inhibitor of coagulation, sepsis and cancer
McMaster University Grant Awards

Dr. Mark A. Crowther, Department of Medicine
Dr. Deborah J. Cook, Dr. Theodore E. Warkentin
Dr. Gordon H. Guyatt
Evaluating the incidence and clinical importance of heparin induced thrombocytopenia in the critically ill

Dr. Philip J. Devereaux, Clinical Epidemiology & Biostatistics
Dr. Deborah J. Cook, Dr. Eva M. Lonn
Dr. Salim Yusuf, Dr. Mark A. Crowther
Dr. Gordon H. Guyatt, Dr. Matthew J. McQueen
Dr. Maureen O. Meade, Dr. Stephen D. Walter
Dr. Paul M. O'Byrne, Dr. James E. Paul
Dr. Wendy Lim, Dr. Lehana Thabane
Dr. Martin J. O'Donnell, Dr. Omid Salehian
Dr. David Norman N. Buckley, Dr. Mohit Bhandari
Dr. Mohammed Ameen Patel, Dr. Andrew S. Worster
Mrs. Dianne M Heels-Ansdell, Dr. Justin D. de Beer
Dr. David Armstrong, Dr. Mark D. Soth
Vascular events in noncardiac surgery patients cohort (VISION) study

Dr. Richard M. Epand, Dep. of Biochemistry
Development of potent antiatherogenic peptides

Dr. Yu-Jing Gao, Department of Anaesthesia
Dr. Robert M.K.W. Lee
Perivascular adipose tissue, reactive oxygen species and hypertension

Dr. Peter L. Gross, Department of Medicine
Defining how atorvastatin inhibits platelets

Dr. Ashok K. Grover, Department of Medicine
Caloxins: novel inhibitors of plasma membrane calcium pumps

Dr. Ashok K. Grover, Department of Medicine
Effects of reactive oxygen on Na-Ca exchange in coronary artery

Dr. Radhey S. Gupta, Department of Biochemistry
Studies on mammalian adenosine kinase and its inhibitors

Dr. Catherine P. Hayward, Pathology & Molecular Medicine
Structure-function analysis of multimerin 1 proadhesive function

Dr. Catherine P. Hayward, Pathology & Molecular Medicine
Studies of the mechanisms involved in generating profibrinolytic and antifibrinolytic human platelets

Dr. Anne M. Holbrook, Department of Medicine
Dr. Carl van Walraven, Dr. Lehana Thabane
Ms. Jennifer A. Pereira
Validation and implementation of individualized benefit: harm profiles for optimal warfarin prescribing
McMaster University Grant Awards

Dr. Suleiman A. Igdoura, Department of Biology  
*Dr. Bernardo L. Trigatti*  
Sialidase (neu1) as a novel risk factor for cardiovascular disease

Dr. John G. Kelton, Faculty of Health Sciences  
*Mrs. Jane C. Moore, Dr. Megan E. Begbie*  
Platelet-mediated acute thrombotic disorders

Dr. Robert M.K.W. Lee, Department of Anaesthesia  
*Dr. Yu-Jing Gao*  
Alterations in hypertensive arteries

Dr. Lori-Ann Linkins, Henderson Hospital  
*Dr. Shannon M. Bates, Dr. Theodore E. Warkentin*  
*Dr. Agnes Y.Y. Lee, Dr. Tulay Koru-Sengal*  
Improving the diagnosis of heparin-induced thrombocytopenia: utility of the 4T’s score and evaluation of new rapid assays

Dr. Colin A. Nurse, Department of Biology  
Mechanisms regulating asphyxial responses in rat adrenal chromaffin cells

Dr. Frederick A. Ofosu, Pathology & Molecular Medicine  
Platelet-derived serine proteases and platelet activation

Dr. Arya M. Sharma, Department of Medicine  
*Dr. Sonia Anand, Dr. Salim Yusuf*  
*Dr. Hertzel C. Gerstein, Ms. Janice M. Pogue*  
*Dr. Mark A. Tarnopolsky*  
Biological determinants of the differences in metabolic and cardiovascular risk factors between South Asians and European Caucasians

Dr. Stephen G. Shaughnessy, Pathology & Molecular Medicine  
*Dr. Geoffrey H. Werstuck*  
Mechanisms of vascular calcification in diabetes mellitus

Dr. William P. Sheffield, Pathology & Molecular Medicine  
Building novel antithrombotic serpins using directed or selectable mutational approaches

Dr. William P. Sheffield, Pathology & Molecular Medicine  
The clot-targeting properties of natural and engineered antiplasmins

Dr. Theodore E. Warkentin, Pathology & Molecular Medicine  
Heparin-induced thrombocytopenia

Dr. Jeffrey I. Weitz, Henderson Research Centre  
*Dr. Petr Klement*  
Improving the effectiveness of thrombolytic therapy
McMaster University Grant Awards

Dr. Jeffrey I. Weitz, Henderson Research Centre
Mechanisms of coronary catheter-induced clotting

Dr. Geoffrey H. Werstuck, Department of Biochemistry & Medicine
Investigating the role of glycogen synthase kinase (GSK)-3 in atherogenesis

Dr. Salim Yusuf, Department of Medicine
Dr. Sonia Anand, Dr. Koon K. Teo
Dr. Matthew J. McQueen, Dr. Anwar Merchant
The INTERHEART study

McMaster University Personnel Awards

Dr. Richard C. Austin, Department of Pathology
Role of endoplasmic reticulum stress in atherothrombotic disease

Dr. Patricia H. Caldwell, School of Nursing
Preferences of Patients with advanced heart failure regarding communication about their prognosis

Dr. Anthony K.C. Chan, Department of Paediatrics
Study of the pathogenesis and treatment of pediatric disease related to the hemostatic system

Dr. Mark A. Crowther, Department of Medicine
Optimizing anticoagulant therapy

Dr. Jeffrey S. Ginsberg, Department of Medicine
Diagnosis and management of thromboembolic disorders in multiple patient populations

Dr. Catherine P. Hayward, Pathology & Molecular Medicine
Studies of novel platelet and vascular secretory proteins

Ms. Monica J.E. Parry, Nursing
A multi-centre trail of a peer support intervention to improve health outcomes following coronary artery bypass graft surgery

Dr. Diana T. Sherifali, Department of Medicine
Appraisal of a community approach to facilitated self-management of diabetes mellitus

Dr. Frederick A. Spencer, Department of Medicine
Clinical epidemiology and management of cardiovascular and venous thromboembolic disease

Dr. Frederick A. Spencer, Department of Medicine
Fortinos Distinguished Scientist Award
University of Guelph Grant Awards

Dr. Arend Bonen, Human Biology/Nutritional Sciences Department
Regulation of fatty acid transport in the heart

University of Waterloo Grant Awards

Dr. James A. Danckert, Department of Psychology
Examining the behavioural and neural effects of prisms adaptation in stroke patients suffering from unilateral neglect

Dr. Eric A. Roy, Department of Kinesiology
Dr. Sandra E. Black, Dr. Norman W. Park
Dr. Michael J. Dixon, Dr. William E. McIlroy
Dr. W. Richard Staines, Dr. James A. Danckert
Dr. Scott G. Adams, Mrs. Deborah A. Hebert
Neuropsychological profiles and neuroanatomic correlates of limb apraxia

Dr. James W.E. Rush, Department of Kinesiology
Vascular endothelium adaptations to hypertension and exercise
Martin L. Wills High School Student Scholarships

McMaster University
   Stokes, Jonathan (Dr. John Kelton) Department of Medicine
       Anti-ADAMTS13 Epitope specificity associated with thrombotic thrombocytopenic purpura (TTP)

Robarts Research Institute
   Al-Attar, Noor (Dr. Murray Huff) Department of Vascular Biology
       The treatment of dyslipidemia by nobiletin
   McLeod, Jonathan (Dr. Terence Peters) Imaging Research Laboratories
       Stimulation of intra-cardiac heart valve surgery
   Romanowski, Adam (Dr. Robert Hegele) Vascular Biology Research Group
       Genetic determinants of atherosclerosis: focus on metabolic syndrome

St. Michael's Hospital
   Rayner, Ramone (Dr. Duncan Stewart) Department of Medicine - Cardiology
       Shedding and modulation of Tie2 angiogenic factors

U of Ottawa Heart Institute
   Farah, Adel (Dr. Daniel Sparks) Pathology/BMI
       The role of HDL in triglyceride metabolism

University of Guelph
   Kesselman, Leah (Dr. Nina Jones) Molecular and Cellular Biology
       Characterization of signaling pathways required for cell movement during angiogenesis.
John D. Schultz Science Student Scholarships

Hospital for Sick Children

Sarangapani, Aparna (Dr. Hugh O'Brodovich) Dept of Physiology and Experimental Medicine
Effects of prolonged beta-agonist exposure on ion transport by distal lung epithelial cells

Shea, Jennifer (Dr. Rae Yeung) Department of Paediatrics & Immunology
The role of IL-6 in the pathogenesis of Kawasaki disease

Yan, Ran (Dr. Andrew Redington) Department of Paediatrics
The role of B-catenin signaling pathways in remote ischaemic preconditioning

McMaster University

Bulk, Stephanie (Dr. Stephanie Atkinson) Department of Pediatrics
Early markers of cardiovascular disease: Assessment of diet and adiposity in 3-year-old children

Haque, Nihal (Dr. Jeffrey Weitz) Dept of Medicine/Biochemistry
Thrombin-binding aptamers and antiaptamers as anticoagulant/antidote pairs

Ho, Vivian (Dr. Koon Teo) Department of Medicine
Th FAMILY Study - Early determinants of adiposity and cardiovascular risk factors in pre-school children

Holtby, Sarah (Dr. Geoff Werstuck) Biochemistry and Biomedical Science
Measuring endoplasmic reticulum (ER) stress levels in patients with metabolic syndrome and diabetes

Lau, Kin Cho Kitto (Dr. Anthony Chan) Department of Pediatrics
Investigation into the inhibition of the tenase coagulation complex by covalent antithrombin-heparin

Marcinko, Josip (Dr. John Kelton) Department of Medicine
Chemokine relevance in HIT testing

Poon, Eugenia (Dr. Ashok Grover) Department of Medicine
Caloxins - Novel inhibitors of plasma membrane Ca2+ pumps.

Salci, Kyle (Dr. Richard Austin) Dept of Pathology and Molecular Medicine
Contributions of the sterol regulatory element-binding proteins (SREBPs) to macrophage foam cell formation

Mount Sinai Hospital

Floras, Vanessa (Dr. Gary E. Newton) Department of Medicine
Assessment of sodium intake in patients with heart failure

Ottawa Health Research Institute

Chhabra, Shawn (Dr. David Park) Department of Neuroscience
Role of CITED2 in CDK4 mediated pathway of stroke.

Kassem, Sarah (Dr. Philip Wells) Department of Medicine
Determining pharmacogenetic and clinical influences on warfarin dosing

Ly, Tapraya (Dr. Alexander Sorisky) Hormones, Growth & Development
TSH-induced inflammation of human adipocytes

Queen's University

Han, Kristina (Dr. Marlys L. Koschinsky) Department of Biochemistry
The cellular biochemistry of apolipoprotein(a) secretion: Relationship between Apo(a) size and secretion efficiency.

Lim Fat, Mary Jane (Dr. Alastair Ferguson) Department of Physiology
Cardiovascular actions of adiponectin in the paraventricular nucleus of the hypothalamus
John D. Schultz Science Student Scholarships (con’t)

Robarts Research Institute
Assini, Julia (Dr. Murray Huff) Department of Vascular Biology
Prevention of atherosclerosis by naringenin
Leppard, Erin (Dr. Stephen Ferguson) Dept of Physiology & Pharmacology
Angiotensin receptor interactions with Rab GTP-ases
Nurmmohamed, Aliya (Dr. J. Pickering) Department of Cardiology
Nicotinamide phosphoribosyltransferase and genomic stability in vascular cells
Rajakumar, Chandheeb (Dr. Robert Hegele) Vascular Biology Research Group
Genetic determinants of atherosclerosis: Focus on metabolic syndrome

St. Michael's Hospital
Forse, Kelly (Dr. Duncan Stewart) Department of Medicine
Inhibition of Tie2 binding partners, Tie1 or HPTP-phosphatase, may unmask agonistic activity of Angiopoietin 2
Henriques, Melanie (Dr. Haibo Zhang) Department of Anesthesia & Critical Care
Human neutrophil peptides in atherosclerosis

U of Ottawa Heart Institute
Simard, Trevor (Dr. Edward O’Brien) Dept of Medicine/Vascular Biology
Heat shock protein 27: Mechanisms of extra cellular release and attenuation of atherosclerosis

University Health Network
Fu, Michael (Dr. Mansoor Husain) Department of Cardiology
Electrophysiological characterization of Brachyury +F1k1- precursor cardiomyogenesis in vitro and their in vivo electrochemical integration.
Hoang, Helen (Dr. Lowell Langille) Division of Cellular & Molecular Biology
Role of Rho GTPases in smooth muscle cell junction formation
Sellan, Michael (Dr. Peter Backx) Department of Medicine/Cardiology
Examining the role of PDE enzymes in regulating heart rate

University of Ottawa
Vassilyadi, Frank (Dr. Balwant Tuana) Department of Cellular & Molecular Medicine
Sequence and expression analysis of the gene encoding the sarcolemmal membrane associated proteins (SLMAPs) in human dilated cardiomyopathy
John D. Schultz Science Student Scholarships (con’t)

University of Toronto

Al-Sabeq, Basil (Dr. Scott Heximer) Department of Physiology
Characterization of the molecular and epigenetic mechanism that regulate RGS5 expression in mural cells

Cheung, Wing-Yee (Dr. Craig Simmons) Mechanical & Industrial Engineering
The role of extracellular matrix mechanics and shear stress in aortic valve sclerosis

Lam, Thach (Dr. Anthony Gramolini) Department of Physiology
Protein-protein interactions in cardiac muscle disease

Leen, Jessica (Dr. Zhong-Ping Feng) Department of Physiology
Molecular mechanisms underlying membrane expression of cardiac calcium channels

Mak, Anthony (Dr. Julie Audet) Institute of Biomaterials & Biomedical Engineering
Post-translational regulation of Notch and its role in the control of cell behaviour

Sud, Manees (Dr. Philip Marsden) Department of Medicine
Epigenetic changes of the endoglin promoter in HHT and atherosclerosis

Thavandiran, Nimalan (Dr. Peter Zandstra) Department of Medicine/ Engineering
Electrophysiological and cardiac gene expression characterization of cell derived cardiomyocytes

Xue, Siming (Dr. Michelle Bendeck) Laboratory Medicine and Pathobiology
Discoidin domain receptor 1 suppresses vascular calcification

University of Western Ontario

Choi, Yuen Ying (Dr. Morris Karmazyn) Department of Physiology & Pharmacology
Regulation of mitochondrial permeability transition pore opening MAPK and NHE-1 in the ischemic and reperfused heart

Leung, William (Dr. Derek Boughner) Department of Medicine
Creation of a living valvular bioprosthetic device

Northern Ontario Summer Medical Students

Lakehead University

Michano-Stewart, Tracy (Dr. Kim Barker)
Innovation in Health Care: An examination of the Pic River First Nation Community Health School Screening Program: An Analysis of the Data, Community Perceptions, Physician Care & Implications for Flu

Mozzon, Lise (Dr. Christopher Lai) Cardiology Services
The impact of cardiovascular disease on women in Northwestern Ontario - Considerations for program development

Laurentian University

Anawati, Alex (Dr. Chris Bourdon) NOFM/Emergency Medicine Program
Novel techniques of evaluation of vascular parameters

Chehadi, Abdel-Kareem (Dr. David MacLean) Division of Medical Sciences (NOSM)
The effects of cardiovascular disease on the regulation of the vasoactive substances in the human heart during coronary artery bypass surgery (CABG)

Yeung, Ching (Dr. Chris Bourdon) NOFM/Emergency Medicine Program
The impact of stroke programs in North-Eastern Ontario on recovery from acute ischemic strokes
Summer Medical Students

McMaster University
Smith, Camala (Dr. Andrew Worster) Emergency Department
Survey of ER physicians in the assessment of D-dimer testing used in the management of Emergency department.

Svatikova, Anna (Dr. Virend Somers) Division of Cardiovascular Diseases
Vasoactive hormones, aldosterone and renin in obstructive sleep apnea and their implication for cardiovascular disease.

Queen's University
Derocher, MaryBeth (Dr. Richard Birtwhistle) Department of Family Medicine
Prevalence of pre-hypertension in family practice clinics and the treatment of pre-hypertensive individuals by family practitioners according to guidelines.

Lee, Linda (Dr. Dimitri Petsikas) Department of Surgery
Medication compliance and outcomes following coronary artery bypass graft (CABG) surgery

University of Ottawa
Elsmaili, Mona (Dr. Robert Beanlands) Department of Medicine
PET and Recovery following revascularization (PARR 2): Subgroup analyses of left ventricular function and myocardial viability

Lui, Andre (Dr. Christian Vaillancourt) Clinical Epidemiology Unit
The influence of socio-economic status on survival for out-of-hospital cardiac arrest

Murphy, Amanda (Dr. Manraj Heran) Department of Radiology - Neuroradiology
Intra-arterial thrombolysis and parenchymal contrast staining: determining its meaning in the setting of acute stroke intervention

University of Toronto
Shafi, Sharmi (Dr. Ren-Ke Li) Laboratory Medicine and Pathobiology
Evaluation of extracellular matrix homeostasis in the development of aneurismal aortic disease

Toma, Jonathan (Dr. Graham Wright) Imaging Research/ Cardiology
Development of tools for MR-guided cardiovascular interventions

Wong, Kaylyn, Kit Man (Dr. Peter Liu) Division of Cardiology
The effects of relaxin on the development of diastolic heart failure in a hypertensive rat model

University of Western Ontario
Appleton, Andrew (Dr. Kem Rogers) Dept. of Anatomy & Cell Biology
Aortic valve tissue engineering: Creation of a functional spongiosa

Mazzetti, Ian (Dr. Neville Suskin) Dept. of Medicine (Cardiology)
Bumetanide has a more favourable effect on insulin resistance compared to furosemide in patients with heart failure - A pilot study

Rahalkar, Amit (Dr. Robert Hegele) Dept. of Medicine & Biochemistry
Genetic and genomic determinants of cardiovascular disease and metabolic syndromes

Anna Svatikova was named the Frank and Doris Sercombe Summer Medical Student for Fiscal 2007

Amit Rahalkar was named the Irwin Bernick Scholar for Fiscal 2007

Jonathan Toma was named the R. John & Agnes M. Adams Summer Medical Student for Fiscal 2007

Andre Lui was named the Rajeshwar and Dr. Usha Bhargava Summer Medical Student for Fiscal 2007
Masters Studentships

Carleton University

Renaud, Jennifer M. (Dr. Robert A. deKemp)
Myocardial blood flow and coronary flow reserve with Rb-82 PET imaging

McMaster University

Basseri, Sana (Dr. Richard C. Austin) Department of Pathology
Contributions of endoplasmic reticulum stress to obesity and cardiovascular disease
Caldwell, Jennifer (Dr. Richard Austin) Department of Pathology
Contributions of GRP78 to tissue factor procoagulant activity
McNicholl, Eric T. (Dr. Giuseppe Melacini) Department of Chemistry, Biochemistry
Structural basis for the cAMP signal translation in PKA by NMR
So, Geoffrey (Dr. Marek Smieja) Department of Pathology & Molecular Medicine
Hypertension amongst HIV-positive subjects in Canada and Uganda: Incidence and effect of antiretroviral treatment

Queen's University

Clinkard, David J. (Dr. Michaels Adams) Pharmacology and Toxicology
Developing a novel way of assessing small vessel phenotype using vasomotion characteristics
D'Souza, Yohan P. (Dr. Brian M. Bennett) Pharmacology and Toxicology
The role of aldehyde dehydrogenase 2 in nitrate tolerance
Han, Kristina (Dr. Marlys L. Koschinsky) Department of Biochemistry
The cellular biochemistry of apolipoprotein(a) secretion: relationship between Apo(a) size and secretion efficiency
Pak, Melissa (Dr. Michael E. Tschalovsky) Scholl of Kinesiology and Health Studies
Dysfunctional muscle blood flow regulation during exercise in type II diabetes

University of Ottawa

Jezierski, Anna W. (Dr. Lisheng Wang) Biochemistry, Microbiology & Immunology
Identification of early endothelial ancestors
LeGrand, Jaclyn N. (Dr. Ruth S. Slack) Faculty of Medicine
Regulation of Mcl-1 to treat stroke
Porter, Tammy L. (Dr. Ilona S. Skerjanc) Department of Biochemistry
Identification of novel Meox interacting proteins regulating cardiomyogenesis
Seibert, Tara A. (Dr. Edward O'Brien) Department of Medicine (Cardiology)
Understanding the vascular protective mechanisms of an estrogen- inducible protein using gene expression profiling
Yarmo, Michelle (Dr. Alexander Sorisky) Department of Medicine
Macrophage-adipose cell interactions in obesity and cardiovascular disease

University of Toronto

Liu, Amber Chang (Dr. Avrum I. Gotlieb) Laboratory Medicine & Pathobiology
Regulation of valve interstitial cell function by transforming growth factor-b in heart valve repair
Masters Studentships (con’t)

University of Western Ontario
Al-Attar, Salam (Dr. Robert A. Hegele) Vascular Biology Research Group
Genetic determinants and phenomic markers of metabolic syndrome (MetS)
Esseltine, Jessica L. (Dr. Stephen Ferguson) Department of Physiology & Pharmacology
Rab GTPase regulation of angiotensin receptor trafficking and signaling
Flamengo, Maria F. (Dr. Kevin Shoemaker) Department of Kinesiology
Associating baseline levels of medial prefrontal cortex activity with autonomic cardiovascular control
Hageraats-Boucher, Jami-Lee (Dr. Derek Boughner) Department of Medicine
A tissue engineering approach to bioprosthetic heart valve design

University of Waterloo
Singh, Amaya M. (Dr. W. Richard Staines) Department of Kinesiology
Neuroanatomical and neurophysiological markers to predict effectiveness of bilateral movement training post stroke

York University
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Cardiac rehabilitation referral, enrollment, and participation by drive time and distance
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Concordance of self and program-reported rates of cardiac rehabilitation referral and participation
Nowacki, Nathaniel B. (Dr. John McDermott) Department of Biology
Regulation of MEF2 activity in cardiac myocytes
Shikatani, Eric A. (Dr. Tara Haas) Department of Kinesiology & Health Sciences
Cellular mechanisms underlying corticosterone-dependent inhibition of angiogenesis