

## 2010/2011 Research Grants of the Heart and Stroke Foundation of Ontario as of July 1, 2010

		<u>Pages:</u>
Centre for Addiction and Mental Health	\$165,300	1
Baycrest Centre	\$80,000	1
Hospital for Sick Children	\$1,795,633	1-3
Mount Sinai Hospital	\$588,206	2-3
St. Michael's Hospital	\$1,684,804	3-4
Sunnybrook Health Sciences Centre	\$1,528,506	5-6
University Health Network	\$3,693,421	7-10
University of Toronto	\$3,393,912	10-12
York University	\$571,946	13
<b>Subtotal:</b>	<b>\$13,501,728</b>	
London Health Sciences Centre	\$1,466,928	13-14
Robarts Research Institute	\$1,416,659	14-15
University of Western Ontario	\$1,674,650	15-16
University of Windsor	\$312,876	16-17
<b>Subtotal:</b>	<b>\$4,871,113</b>	
Children's Hospital of Eastern Ontario	\$80,558	17
Queen's University	\$1,311,910	17-18
Ottawa Hospital Research Institute	\$1,129,920	18-19
University of Ottawa	\$1,471,304	19-20
University of Ottawa Heart Institute	\$2,306,314	20-23
<b>Subtotal:</b>	<b>\$6,300,006</b>	
Brock University	\$100,010	23
McMaster University	\$3,166,357	23-26
University of Guelph	\$257,559	26
University of Waterloo	\$277,294	26-27
<b>Subtotal:</b>	<b>\$3,801,220</b>	
McGill University	\$45,524	27
Institute for Clinical Evaluative Sciences	\$99,668	27
<b>Total All Centres:</b>	<b>\$28,619,259</b>	
<b>Student Awards:</b>		
Summer Medical Scholarships	\$76,000	28-29
Master's Studentships	\$240,500	30
<b>Total:</b>	<b>\$28,935,759</b>	
Research Committees		31-33



## **Centre for Addiction and Mental Health Operating Grant Awards**

<b>Dr. Bernard Le Foll, Translational Addiction Research Lab</b>	<b>\$70,000.00</b>
Role of ethanolamides in nocitine-seeking	
<b>Dr. Fang Liu, Department of Neuroscience</b>	<b>\$95,300.00</b>
Functional and molecular characterization of protein-protein interaction between AMPA receptors and GAPDH (Glyceraldehyde-3-phosphate Dehydrogenase)	

## **Baycrest Centre Operating Grant Awards**

<b>Dr. Jon Erik Ween, Kunin-Lunenfeld Applied Research Unit</b>	<b>\$80,000.00</b>
<i>Dr. Sandra E. Black, Dr. Donald T. Stuss</i> <i>Dr. Richard Aviv, Dr. Fuqiang Gao</i>	
Refinement of a point-of-care, electronic testing tool for the longitudinal stroke assessments	

## **Hospital for Sick Children Operating Grant Awards**

<b>Dr. Khosrow Adeli, Laboratory Medicine &amp; Pathobiology</b>	<b>\$143,012.00</b>
Molecular mechanisms of hepatic VLDL overproduction in insulin resistance	
<b>Dr. Khosrow Adeli, Laboratory Medicine &amp; Pathobiology</b>	<b>\$135,422.00</b>
Molecular mechanisms of apolipoprotein B degradation	
<b>Dr. Denis Daneman, Department of Pediatrics</b>	<b>\$91,205.00</b>
<i>Dr. Jacqueline Curtis</i>	
Adolescent type 1 Diabetes cardio-renal Intervention trial (AddIT)	
<b>Ms. Colleen Gruenwald, Cardiovascular Surgery</b>	<b>\$70,000.00</b>
<i>Dr. Anthony K.C. Chan, Dr. Brian W. McCrindle</i> <i>Dr. Glen S. Van Arsdell, Dr. Helen M. Holtby</i> <i>Mr. Cedric Manhiot, Dr. Leonardo R. Brandao</i>	
Antithrombin enhancement may improve anticoagulation efficiency in infants undergoing cardiopulmonary bypass for cardiac surgery	
<b>Dr. Aleksander Hinek, Department of Cardiovascular Research</b>	<b>\$122,645.00</b>
Elastin and elastin receptor as crucial factors modulating cellular functions in cardiovascular development and diseases	
<b>Dr. Andrea Kassner, Diagnostic Imaging</b>	<b>\$68,245.00</b>
<i>Dr. Rae S.M. Yeung, Dr. Frank L. Silver</i> <i>Dr. David J. Mikulis</i>	
Widening the therapeutic window in acute ischemic stroke with blood-brain barrier permeability imaging and its relationship with corresponding blood markers: implications for short and long-term outcomes	
<b>Dr. Fred W. Keeley, Cardiovascular Research Program</b>	<b>\$131,821.00</b>
Recombinantly expressed elastin-like polypeptides as a novel tool for investigations of the structure, assembly, and the properties of elastin-like materials	
<b>Dr. Michelle V. Letarte, Department of Immunology and Paediatrics</b>	<b>\$116,580.00</b>
<i>Dr. Mirjana Jerkic, Ms. Allison L. Gregory</i>	
Soluble endoglin in endothelial cell function and hypertension associated with preeclampsia	

## **Hospital for Sick Children Operating Grant Awards**

**Dr. Christoph P.B. Licht, Department of Nephrology** **\$96,878.00**

*Dr. Walter H.A. Kahr*

Atypical hemolytic uremic syndrome: a new pathological role for complement and coagulation control in platelets

**Dr. Brian W. McCrindle, Department of Pediatrics** **\$208,062.00**

*Dr. Jennifer L. Russell, Ms. Patricia E. Longmuir*

*Dr. Guy E.J. Faulkner, Dr. Elizabeth L. Dettmer*

Increasing physical activity among children with congenital heart defects

**Dr. John Parkinson, Molecular Structure and Function** **\$113,392.00**

*Dr. Fred W. Keeley*

An interdisciplinary approach to identifying and characterizing polymorphisms in tropoelastin and their role in late onset cardiovascular disease

**Dr. Margaret L. Rand, Division of Haematology/Oncology** **\$79,821.00**

The procoagulant surface of activated platelets: development and persistence in vitro and in vivo

**Dr. Andrew N. Redington, Division of Cardiology** **\$167,565.00**

*Dr. John G. Coles, Dr. Brian W. McCrindle*

*Dr. Christopher A. Caldarone, Dr. Glen S. Van Arsdell*

*Dr. Helen M. Holtby, Dr. Stephen W. Scherer*

*Dr. Steven M. Schwartz, Dr. Linh G. Ly*

The effect of remote ischemic preconditioning on clinical and genomic responses to open heart surgery in children

**Dr. Glen S. Van Arsdell, Division of Cardiovascular Surgery** **\$38,055.00**

*Dr. Sandra L. Merklinger, Dr. Anne-Marie Guerguerian*

*Dr. Osami Honjo, Dr. Katherine L. Taylor*

Mechanical lung assist as a means to achieve primary in-series palliation for single ventricle neonates: a proof of concept study in neonates and infants

**Dr. Gregory J. Wilson, Division of Pathology** **\$73,560.00**

*Dr. Peter H. Backx*

Remote ischemic preconditioning: mechanisms of cardiomyocyte survival

**Dr. Rae S.M. Yeung, Paediatrics & Immunology** **\$79,870.00**

Towards a better understanding of Kawasaki disease

## **Hospital for Sick Children Personnel Awards**

**Dr. Catriona A. Syme, Division of Endocrinology** **\$59,500.00**

Determinants of Cardiovascular and Metabolic Risk in Overweight Children and Adolescents

## **Mount Sinai Hospital Operating Grant Awards**

**Dr. Daniel J. Drucker, Samuel Lunenfeld Research Institute** **\$109,100.00**

*Dr. Mansoor Husain*

Incretin action and the cardiovascular system

## **Mount Sinai Hospital Operating Grant Awards**

<b>Dr. Alexander G. Logan, Department of Medicine</b>	<b>\$59,729.00</b>
<i>Dr. T. Douglas Bradley</i> Disturbed sleep and drug resistant hypertension: a pathophysiological study	
<b>Dr. Susanna Mak, Department of Medicine</b>	<b>\$57,596.00</b>
<i>Dr. John S. Floras, Dr. John D. Parker</i> <i>Dr. John Thomas Granton, Dr. Eduardo Azevedo</i> Studies of sympathetic nervous system activation in patients with pulmonary arterial hypertension	
<b>Dr. Susanna Mak, Department of Medicine</b>	<b>\$63,814.00</b>
Sex determinants of left ventricular mechanical performance in humans with and without heart failure	
<b>Dr. Robert G. Maunder, Department of Psychiatry</b>	<b>\$104,020.00</b>
<i>Dr. Gary E. Newton, Dr. Robert P. Nolan</i> <i>Dr. Jan E. Angus, Ms. Christine Cho</i> The impact of close interpersonal relationships and social support on heart failure	
<b>Dr. John D. Parker, Department of Medicine</b>	<b>\$133,653.00</b>
Development of a new technique to assess endothelial function: flow mediated constriction	
<b>Dr. Ravi R. Retnakaran, Department of Medicine</b>	<b>\$60,294.00</b>
<i>Dr. Philip W. Connelly, Dr. John S. Floras</i> <i>Dr. Mathew Sermer, Dr. Anthony J.G. Hanley</i> <i>Dr. Bernard Zinman</i> The early natural history of cardiovascular disease at 4-years postpartum in young women with varying degrees of glucose intolerance in pregnancy	

## **St. Michael's Hospital Operating Grant Awards**

<b>Dr. Philip W. Connelly, J. Alick Little Lipid Research Lab</b>	<b>\$80,000.00</b>
<i>Dr. Dominic S.K. Ng</i> Studies of the lactonase activity of paraoxonase 1 - an HDL associated enzyme of relevance to cardiovascular disease	
<b>Dr. Paul Dorian, Division of Cardiology</b>	<b>\$116,826.00</b>
<i>Dr. Iqwal Mangat</i> Studies of the effect of fish oil derived omega-3 Polyunsaturated fatty acids (EPA and DHA), and omega-6 fatty acids on experimental atrial fibrillation, and mechanisms of their antiarrhythmic effects	
<b>Dr. Mary E. Keith, Department of Cardiovascular Surgery</b>	<b>\$126,849.00</b>
<i>Dr. Peter P. Liu, Dr. Andrew T. Yan</i> A randomized controlled trial of the effect of thiamin supplementation on heart function in ambulatory patients with heart failure	
<b>Dr. Wolfgang Kuebler, Lung Vascular Research Laboratory</b>	<b>\$78,200.00</b>
Mast cells in vascular remodeling and pulmonary hypertension with left heart disease	
<b>Dr. Howard M. Leong-Poi, Echocardiography and Vascular Laboratory</b>	<b>\$74,868.00</b>
Role of statins in progenitor cell therapy for chronic ischemia	

## **St. Michael's Hospital Operating Grant Awards**

<b>Dr. Valery Leytin, Department of Transfusion Medicine</b> Mitochondrial control of platelet apoptosis	<b>\$99,489.00</b>
<b>Dr. Dominic S.K. Ng, Department of Medicine</b> Regulation of lipids, insulin action and cell stress in LCAT deficient mice	<b>\$119,932.00</b>
<b>Dr. Heyu Ni, Laboratory Medicine and Pathobiology</b> Novel mechanisms of platelet aggregation: unveiling new roles of non-classical beta3 integrin ligands in thrombosis and hemostasis	<b>\$115,494.00</b>
<b>Dr. Thomas G. Parker, Department of Cardiology</b> EF-hand proteins, S100A1 and A6, in cardiovascular pathophysiology	<b>\$121,241.00</b>
<b>Dr. Ramesh Prasad, Department of Medicine</b> <i>Dr. Philip W. Connelly, Dr. Rachel M. Wald Dr. Ron Wald, Dr. Andrew T. Yan Dr. Anish Kirpalani, Dr. Sang Kim Dr. Charmaine E. Lok</i> Impact of minimal steroid-based kidney transplantation on ventricular remodeling and function in end-stage renal disease	<b>\$78,101.00</b>
<b>Dr. Subodh Verma, Division of Cardiac Surgery</b> Elucidating the in vivo role of adiponectin in inflammation: a biochemical and pharmacological approach	<b>\$65,979.00</b>
<b>Dr. Subodh Verma, Division of Cardiac Surgery</b> Neuregulin-1 as a novel treatment for endothelial dysfunction and atherosclerosis	<b>\$80,000.00</b>
<b>Dr. Xiao-Yan Wen, Cardiovascular Research</b> <i>Dr. Philip W. Connelly, Dr. Heyu Ni</i> Roles of novel lpd1 and lpd1r phospholipases in platelet activation and thrombosis	<b>\$118,125.00</b>

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

<b>Dr. David A. Alter, Department of Medicine</b> Cardiovascular treatment & outcomes disparities among high-risk populations	<b>\$87,950.00</b>
<b>Dr. Kim A. Connelly, Division of Cardiology</b> Role of TGFb acetylation in the pathogenesis of diabetic cardiomyopathy	<b>\$64,000.00</b>
<b>Dr. Claudia C. Dos Santos, Medicine</b> The Role of PGC1a in sepsis-induced myocardial depression	<b>\$64,000.00</b>
<b>Dr. Howard M. Leong-Poi, Echocardiography and Vascular Laboratory</b> Ultrasound-targeted gene and cell-based strategies for therapeutic angiogenesis	<b>\$70,250.00</b>
<b>Dr. Valeria E. Rac,</b> Prehospital Evaluation and Economic Analysis of Different Coronary Syndrome Treatment Strategies - PREDICT	<b>\$59,500.00</b>
<b>Dr. Gustavo Saposnik, Department of Medicine</b> Premature Stroke Associated with Recency of Immigration to Ontario (PRESARIO)	<b>\$64,000.00</b>

## **Sunnybrook Health Sciences Centre Operating Grant Awards**

<b>Dr. Clare Atzema, Clinical Epidemiology</b> <i>Dr. Paul Dorian, Dr. Jack V. Tu</i> <i>Dr. Peter C. Austin</i> Atrial Fibrillation in The Emergency Room: the AFTER study	<b>\$70,000.00</b>
<b>Dr. Charles H. Cunningham, Medical Physics</b> <i>Dr. Alexander J. Dick, Dr. Kim A. Connelly</i> Metabolic Imaging with MRI for myocardial salvage	<b>\$81,618.00</b>
<b>Dr. Alexander J. Dick, Division of Cardiology</b> <i>Dr. David W. Courtman, Dr. Duncan J. Stewart</i> <i>Dr. Thomas G. Parker, Dr. Howard M. Leong-Poi</i> <i>Dr. Charles H. Cunningham</i> Endothelial progenitor cell modification to improve left ventricular function post myocardial infarction	<b>\$78,008.00</b>
<b>Dr. Daniel J. Dumont, Department of Molecular &amp; Cellular Biology</b> <i>Dr. Paul A. Van Slyke</i> Examination of the novel angiopoietin peptide mimetic vasculotide as a treatment for atherosclerosis and limb ischemia	<b>\$83,000.00</b>
<b>Dr. Daniel J. Dumont, Department of Molecular &amp; Cellular Biology</b> Molecular studies examining the role of lymphangiogenic signalling heart disease	<b>\$91,000.00</b>
<b>Dr. Robert A. Fowler, Faculty of Medicine</b> <i>Dr. Deborah J. Cook, Dr. William H. Geerts</i> <i>Dr. Gordon H. Guyatt, Dr. Peter M. Dodek</i> <i>Dr. Nicole Mittman, Dr. Michael K. Gould</i> E-PROTECT: prospective economic analysis in the prophylaxis for thromboembolism in critical care trial	<b>\$63,149.00</b>
<b>Dr. Stephen E. Fremes, Division of Cardiology</b> <i>Dr. Richard J. Novick, Dr. Paul W.M. Fedak</i> <i>Dr. Subodh Verma, Dr. Steve K. Singh</i> <i>Dr. Richard P. Whitlock, Dr. Michael W.A. Chu</i> <i>Dr. Domingos S.R. de Souza, Dr. Michael R. Dashwood</i> <i>Dr. Erez Kachel, Dr. Nicola Viola</i> Surgical and pharmacological novel intervention to improve overall results of saphenous vein graft patency in coronary artery bypass grafting surgery: An international multi-centre randomized controlled clinical trial	<b>\$65,860.00</b>
<b>Dr. Margaret R. Hough, Department of Molecular &amp; Cellular Biology</b> <i>Dr. Alexander J. Dick</i> Cardiac repair and regeneration	<b>\$80,000.00</b>
<b>Dr. Krista L. Lanctot, Department of Pharmacology</b> <i>Dr. Sandra E. Black, Dr. Nathan Herrmann</i> <i>Dr. Paul R. Albert, Dr. Jon Erik Ween</i> <i>Dr. David J. Gladstone, Dr. Richard Aviv</i> The role of cytokine-serotonin interactions in post-stroke depression and cognitive symptoms	<b>\$94,587.00</b>
<b>Dr. Baiju R. Shah, Division of Endocrinology</b> <i>Dr. Sonia Anand, Dr. Peter C. Austin</i> <i>Dr. Janet E. Hux, Dr. Douglas G. Manuel</i> Diabetes care and outcomes for people with Chinese and South Asian origins	<b>\$30,657.00</b>

## **Sunnybrook Health Sciences Centre Operating Grant Awards**

<b>Dr. Sheldon W. Tobe, Division of Nephrology</b>	<b>\$75,197.00</b>
<i>Dr. Susan E. Abbey, Dr. Beth L. Abramson Dr. Brian Baker, Dr. Jane M. Irvine Dr. Martin G. Myers, Dr. Alexander J. Kiss</i>	
Harmony study (Hypertension analysis of stress reduction using mindfulness meditation and yoga)	
<b>Dr. Jack V. Tu, Department of Medicine</b>	<b>\$50,000.00</b>
<i>Ms. Maria Chiu</i>	
Effects of immigration and acculturation on cardiovascular risk profiles of Ontario's four major ethnic groups (Pilot Project competition)	
<b>Dr. Burton B. Yang, Department of Neuroscience Research</b>	<b>\$82,060.00</b>
Roles of miR-17-5p in endothelial wound healing and angiogenesis	
<b>Dr. Burton B. Yang, Department of Neuroscience Research</b>	<b>\$103,720.00</b>
MicroRNA miR-378 regulates self renewal and angiogenesis	

## **Sunnybrook Health Sciences Ctr Personnel Awards**

<b>Dr. Peter C. Austin, Public Health Sciences and Health Policy</b>	<b>\$87,950.00</b>
Statistical methods for cardiovascular research	
<b>Dr. Alexander J. Dick, Division of Cardiology</b>	<b>\$70,250.00</b>
Endothelial progenitor cell modification to improve left ventricular function post myocardial infarction	
<b>Dr. Robert A. Fowler, Faculty of Medicine</b>	<b>\$70,250.00</b>
Prospective economic analysis in the prophylaxis for thromboembolism in critical care trial	
<b>Dr. David J. Gladstone, Division of Neurology</b>	<b>\$70,250.00</b>
Improving the detection and treatment of atrial fibrillation following transient ischemic attack and stroke	
<b>Dr. Jack V. Tu, Department of Medicine</b>	<b>\$83,000.00</b>
Improving the quality of cardiovascular care in Canada	
<b>Dr. Jack V. Tu, Department of Medicine</b>	<b>\$10,000.00</b>
Dr. Lowell Langille Tribute Award	
<b>Dr. Burton B. Yang, Department of Neuroscience Research</b>	<b>\$87,950.00</b>
Roles of versican in mediating leukocyte and endothelial cell activities	

## University Health Network Operating Grant Awards

<b>Dr. Peter H. Backx, Department of Physiology &amp; Medicine</b> Transcriptional regulation of cardiac transient outward K <sup>+</sup> currents and function in heart	<b>\$142,096.00</b>
<b>Dr. William S. Beattie, Department of Anaesthesia</b> <i>Dr. Homer Y.H. Yang, Dr. Neal H. Badner</i> <i>Dr. Philip J. Devereaux, Dr. David Norman N. Buckley</i> <i>Dr. Peter T.L. Choi, Dr. Michale J. Jacka</i> <i>Dr. Thomas P.S. Schricker</i> The ENIGMA-II trial. Nitrous oxide anaesthesia and cardiac morbidity after major surgery: a randomized controlled trial	<b>\$80,000.00</b>
<b>Dr. Mark S. Cattral, Department of Surgery</b> Role of immediate dendritic cell precursors in allograft rejection and tolerance	<b>\$76,694.00</b>
<b>Dr. Christopher T.M. Chan, Department of Medicine</b> <i>Dr. Howard M. Leong-Poi, Dr. Darren A. Yuen</i> Towards an improved understanding of vascular progenitor cell biology in uremia	<b>\$65,703.00</b>
<b>Dr. Vijay S. Chauhan, Department of Medicine</b> <i>Dr. Peter H. Backx, Dr. Graham A. Wright</i> <i>Dr. Anna Woo</i> Structural and functional determinants of T wave alternans in human cardiomyopathy	<b>\$108,501.00</b>
<b>Dr. David Z.I. Cherney, Department of Medicine</b> <i>Dr. Heather N. Reich</i> Hemodynamic and molecular mechanisms of hyperfiltration in type I diabetes mellitus	<b>\$78,795.00</b>
<b>Dr. Myron I. Cybulsky, Cellular &amp; Molecular Biology</b> Endothelial cell NF-kappaB homeostasis and function in atherosclerosis	<b>\$124,266.00</b>
<b>Dr. James H. Eubanks, Research, Genetics &amp; Development Division</b> <i>Dr. Linda R. Mills, Dr. Joanne E. Nash</i> The mammalian sirtuin SIRT3: novel neuroprotective factor	<b>\$76,619.00</b>
<b>Dr. Michael G. Fehlings, Department of Neurosurgery</b> <i>Dr. Alexander A. Velumian</i> The ischemic axon: cross-talk with myelin in K <sup>+</sup> channel terms	<b>\$84,389.00</b>
<b>Dr. John S. Floras, Division of Cardiology</b> <i>Dr. Paula J. Harvey, Dr. Cheri L.M. McGowan</i> Neural regulation of the circulation in human heart failure and hypertension	<b>\$134,406.00</b>
<b>Dr. John S. Floras, Division of Cardiology</b> <i>Dr. T. Douglas Bradley, Dr. Derek S. Kimmerly</i> Central regulation of autonomic cardiovascular function in human heart failure and sleep apnea	<b>\$60,287.00</b>
<b>Dr. Reginald M. Gorczynski, Surgery &amp; Immunology</b> Regulation of transplant rejection and inflammation by soluble mediators of CD200: CD200R interaction	<b>\$89,314.00</b>

## **University Health Network Operating Grant Awards**

<b>Dr. Sherry L. Grace, Kinesiology and Health Sciences</b> <i>Dr. Heather M. Arthur, Dr. Stephanie J. Brister D. Kenneth R. Melvin, Dr. Leonard Sternberg Dr. Donna E. Stewart, Dr. Louise Pilote Dr. Paul I.T. Oh</i> An RCT of women's adherence to women-only, home-based and traditional cardiac rehabilitation (Cardiac Rehabilitation for Her heart Event Recovery [CR4HER])	<b>\$108,179.00</b>
<b>Dr. David R. Grant, Department of Surgery</b> <i>Dr. S. Lee Adamson, Dr. Gary A. Levy Dr. Reginald M. Gorczynski, Dr. M. James Phillips</i> fgl2/FGL2 and xenograft transplantation	<b>\$88,600.00</b>
<b>Dr. Mansoor Husain, Division of Cellular &amp; Molecular Biology</b> Plasma membrane Ca <sup>2+</sup> ATPase 4 isoforms: regulation and role in cardiac and smooth muscle	<b>\$118,118.00</b>
<b>Dr. Mansoor Husain, Division of Cellular &amp; Molecular Biology</b> <i>Dr. Daniel J. Drucker</i> The role of glucagon-like peptide-1 in cardiac health and disease	<b>\$142,380.00</b>
<b>Dr. Mitsuhiro Ikura, Division of Signalling Biology</b> Structural elucidation of intracellular calcium transporters	<b>\$105,258.00</b>
<b>Dr. Mitsuhiro Ikura, Division of Signalling Biology</b> Structural basis for regulation of store-operated calcium entry in the circulation system	<b>\$113,400.00</b>
<b>Dr. Keyvan Karkouti, Department of Anesthesia</b> <i>Dr. Terrence M. Yau, Dr. Christopher T.M. Chan Dr. Duminda N. Wijeyesundera, Dr. Pui Y. Wong</i> Advance targeted transfusion in anemic cardiac surgical patients for kidney protection: a proof of concept pilot study.	<b>\$36,001.00</b>
<b>Dr. Rama Khokha, Division of Signalling Biology</b> Molecular dissection of the distinct functions of TIMP-3 and TIMP-4 in heart disease	<b>\$114,381.00</b>
<b>Dr. Thomas Kislinger, Genomics and Proteomics</b> <i>Dr. Anthony O. Gramolini</i> Identification and characterization of cell-surface associated protein in the heart: applications of a novel proteomic strategy	<b>\$129,261.00</b>
<b>Dr. Gary F. Lewis, Department of Medicine</b> The role of C-reactive protein (CRP) in modulating insulin action and insulin secretion	<b>\$85,948.00</b>
<b>Dr. Ren-Ke Li, Laboratory Medicine and Pathobiology</b> Modifying cardiac repair using molecular and cellular interventions	<b>\$80,000.00</b>
<b>Dr. Peter P. Liu, Department of Medicine</b> <i>Dr. Jeffrey A. Medin</i> Strategies to optimize mobilization, homing and reconstitution therapy in cardiac repair post-infarction	<b>\$80,000.00</b>

## University Health Network Operating Grant Awards

<b>Dr. Peter P. Liu, Department of Medicine</b> Danger signal, innate immunity and cardiovascular inflammation	<b>\$75,460.00</b>
<b>Dr. Philippe P. Monnier, Cellular &amp; Molecular Biology</b> Repulsive guidance molecule (RGMa) has multiple inhibitory activities that hamper neuronal regeneration after stroke	<b>\$59,180.00</b>
<b>Dr. Kumaraswamy Nanthakumar, Department of Medicine</b> <i>Dr. Peter H. Backx, Dr. Terrence M. Yau</i> Electrophysiological implications of regenerative therapy	<b>\$90,985.00</b>
<b>Dr. Kumaraswamy Nanthakumar, Department of Medicine</b> <i>Dr. Frances S. Silverman</i> Modulation of spatio-temporal dispersion of human myocardial repolarization by air pollution	<b>\$92,565.00</b>
<b>Dr. Vivek Rao, Department of Surgery</b> <i>Dr. Diego H. Delgado</i> EGFL-7, rapamycin and transplant vasculopathy.	<b>\$61,530.00</b>
<b>Dr. Jonathan V. Rocheleau, Cellular &amp; Molecular Biology</b> Interaction between vascular endothelial cells and pancreatic beta cells: understanding the role of fibroblast growth factor(FGF)	<b>\$87,084.00</b>
<b>Dr. David R. Rose, Cancer Genomics and Proteomics</b> The molecular basis for starch digestion in the intestine: Human maltase-glucoamylase and sucrase-isomaltase	<b>\$82,604.00</b>
<b>Dr. Lyanne C. Schlichter, Department of Physiology</b> Pathophysiology and inflammation after intracerebral hemorrhage	<b>\$110,497.00</b>
<b>Dr. Lyanne C. Schlichter, Department of Physiology</b> Modulating modes of microglial activation to reduce secondary stroke injury	<b>\$116,223.00</b>
<b>Dr. Candice K. Silversides, Department of Medicine</b> <i>Dr. Samuel C. Siu, Dr. Jack M. Colman</i> <i>Dr. Mathew Sermer</i> Investigation of the prognostic importance of natriuretic peptides in pregnant women with heart disease: a prospective observational cohort study	<b>\$69,970.00</b>
<b>Dr. Shuzo Sugita, Department of Physiology</b> The roles of CAPS1 in catecholamine secretion	<b>\$78,387.00</b>
<b>Dr. Michael Tymianski, Division of Neurosurgery</b> Role of TRM7 channels in myocardial ischemia	<b>\$115,440.00</b>
<b>Dr. Michael Tymianski, Division of Neurosurgery</b> Differential gene response to cerebral ischemia in rats and non-human primates	<b>\$75,000.00</b>
<b>Dr. Rudiger von Harsdorf,</b> Evaluation of p21CIP1/WAF1 protein transduction as a novel therapeutic approach in heart failure	<b>\$80,000.00</b>

## **University Health Network Personnel Awards**

<b>Dr. Myron I. Cybulsky, Cellular &amp; Molecular Biology</b> Initiation of atherosclerosis: mechanisms and cell biology	<b>\$87,950.00</b>
<b>Dr. Ren-Ke Li, Laboratory Medicine and Pathobiology</b> Restoration of cardiac function: cellular regeneration and matrix reconstruction	<b>\$87,950.00</b>

## **University of Toronto Operating Grant Awards**

<b>Dr. Liliana Attisano, Department of Biochemistry</b> The role of Foxh1 in heart development	<b>\$68,920.00</b>
<b>Dr. Michelle P. Bendeck, Laboratory Medicine and Pathobiology</b> Cadherins and regulation of smooth muscle cell function	<b>\$126,995.00</b>
<b>Dr. Michelle P. Bendeck, Laboratory Medicine and Pathobiology</b> Discoidin domain receptors in atherosclerosis	<b>\$140,500.00</b>
<b>Dr. Steffen-Sebastian Bolz, Department of Physiology</b> Mechanisms that regulate the pressure-dependent activation of sphingosine kinase 1 in resistance artery smooth muscle cells	<b>\$80,916.00</b>
<b>Dr. Steffen-Sebastian Bolz, Department of Physiology</b> A novel cardiovascular role for the cystic fibrosis transmembrane conductance regulator (CFTR): a critical transporter in the sphingosine-1-phosphate degradation pathway	<b>\$74,523.00</b>
<b>Dr. Dina Brooks, Department of Physical Therapy</b> <i>Dr. Sandra E. Black, Dr. William E. McIlroy Dr. Paul I.T. Oh, Dr. Jon Erik Ween Dr. David J. Gladstone</i> Effect of cardiac rehabilitation for individuals after transient ischemic attack	<b>\$80,000.00</b>
<b>Dr. Jill I. Cameron, Occupational Science &amp; Therapy</b> <i>Dr. Hillel M. Finestone, Dr. Gary Naglie Dr. Frank L. Silver, Dr. Angela M. Cheung Dr. Mark T. Bayley, Dr. Jeffrey Hoch Dr. Stephen J. Phillips, Dr. Monique A.M. Gignac Dr. Grace Warner, Dr. Theresa L. Green Mr. Michael J. Suddes, Dr. Nicholas Ulrick Weir</i> Optimizing stroke family caregiver support across the care continuum by improving the timing of intervention delivery	<b>\$104,661.00</b>
<b>Dr. Andrew Emili, Banting &amp; Best Department Medical Research</b> <i>Dr. Anthony O. Gramolini</i> Mechanistic investigation of microRNA-mediated regulation of dilated cardiomyopathy (DCM)	<b>\$96,378.00</b>
<b>Dr. France Gagnon, Department of Public Health Sciences</b> <i>Dr. Philip S. Wells, Dr. Dennis E. Bulman</i> Genome-wide search for oligogenes in factor V Leiden thrombophilia	<b>\$111,886.00</b>

## University of Toronto Operating Grant Awards

<b>Dr. Herbert Y. Gaisano, Department of Medicine</b>	<b>\$105,111.00</b>
SNARE regulation of cardiac sulfonylurea receptor. A novel drug target for cardiac ischemia	
<b>Dr. Adria Giacca, Department of Physiology</b>	<b>\$79,631.00</b>
<i>Dr. Michelle P. Bendeck, Dr. George I. Fantus</i> Vasculoprotective effect of insulin in vivo	
<b>Dr. Anthony O. Gramolini, Department of Physiology</b>	<b>\$98,597.00</b>
Investigation of phospholamban mutations, sarcoplasmic reticulum calcium defects, and dilated cardiomyopathy	
<b>Dr. Scott P. Heximer, Department of Physiology</b>	<b>\$149,220.00</b>
Defining the molecular pathways through which RGS4 regulates parasympathetic signaling and heart rate control in sinoatrial node myocytes	
<b>Dr. Boris Hinz, Laboratory of Tissue Repair &amp; Regeneration</b>	<b>\$75,500.00</b>
Mechanical activation of a pro-fibrotic growth factor in cardiac myofibroblast differentiation and heart fibrosis	
<b>Dr. Philip A. Marsden, Department of Medicine</b>	<b>\$115,303.00</b>
Regulated expression of the human nNOS gene	
<b>Dr. Philip A. Marsden, Department of Medicine</b>	<b>\$129,915.00</b>
Post-transcriptional regulation of endothelial gene expression	
<b>Dr. Christopher A.G. McCulloch, Department of Dentistry</b>	<b>\$95,620.00</b>
Role of intercellular adhesions in diabetic cardiomyopathy	
<b>Dr. Christopher A.G. McCulloch, Department of Dentistry</b>	<b>\$94,200.00</b>
Regulation of myofibroblast differentiation by mechanical loading	
<b>Dr. Alison P. McGuigan, Department of Chemical Engineering</b>	<b>\$77,400.00</b>
Exploiting planar cell polarity signaling to engineer tissue-engineered blood vessels	
<b>Dr. Cindi M. Morshead, Donnelly Centre, Cellular &amp; Biomolecular</b>	<b>\$144,650.00</b>
<i>Dr. Dale R. Corbett, Dr. Molly S. Shoichet</i> The development of drug and cell delivery systems for use in cell based therapies to treat stroke	
<b>Dr. Michal J. Opas, Laboratory Medicine &amp; Pathobiology</b>	<b>\$68,905.00</b>
The role of calreticulin in cardiac remodelling	
<b>Dr. Milica Radisic, Chemical Engineering &amp; Applied Chemistry</b>	<b>\$70,216.00</b>
<i>Dr. Ren-Ke Li</i> Chitosan hydrogel with immobilized growth factors for cell therapy in myocardial infarction	
<b>Dr. Elizabeth A Rochon, Speech-Language Pathology</b>	<b>\$86,304.00</b>
<i>Dr. Simon J. Graham, Dr. Carol Leonard</i> The effects of intensity on a treatment for naming deficits in aphasia and associated neural underpinnings	
<b>Dr. Craig A. Simmons, Mechanical &amp; Industrial Engineering</b>	<b>\$89,473.00</b>
The role of C-type natriuretic peptide in cardiac valve fibrosis	

## **University of Toronto Operating Grant Awards**

<b>Dr. Igor Stagljar, Biochemistry &amp; Medical Genetics</b> Functional analysis of the interactome of the human B-adrenergic receptors	<b>\$92,563.00</b>
<b>Dr. David A. Steinman, Mechanical &amp; Industrial Engineering</b> Flow in the common carotid artery is not fully-developed: implications for studies of atherosclerosis	<b>\$47,023.00</b>
<b>Dr. James W. Wells, Leslie Dan Faculty of Pharmacy</b> Nature of the signalling complex between cardiac muscarinic receptors and G proteins	<b>\$85,052.00</b>
<b>Dr. Peter W. Zandstra, Biomaterials &amp; Bio Medicine Engineering</b> <i>Dr. Mansoor Husain, Dr. Kumaraswamy Nanthakumar</i> <i>Dr. Milica Radisic</i> Interrogating the cardiomyogenic hierarchy to optimize cardiovascular cell therapy	<b>\$143,700.00</b>

## **University of Toronto Personnel Awards**

<b>Dr. Peter H. Backx, Department of Physiology &amp; Medicine</b> Studies into molecular mechanisms of cardiovascular disease	<b>\$87,950.00</b>
<b>Dr. Michelle P. Bendeck, Laboratory Medicine and Pathobiology</b> Cell adhesion signaling in the progression and complications of atherosclerosis	<b>\$83,000.00</b>
<b>Dr. Mansoor Husain, Division of Cellular &amp; Molecular Biology</b> Molecular studies of cardiac and vascular disease.	<b>\$87,950.00</b>
<b>Dr. Gary F. Lewis, Department of Medicine</b> Determining the mechanisms of the dyslipidemia of insulin resistant states and Type 2 diabetes	<b>\$43,975.00</b>
<b>Dr. Philip A. Marsden, Department of Medicine</b> The human nitric oxide synthase genes: relevance to disease	<b>\$43,975.00</b>
<b>Dr. John D. Parker, Department of Medicine</b> Clinical studies concerning nitrate pharmacology and autonomic physiology in congestive heart failure	<b>\$87,950.00</b>
<b>Dr. John D. Parker, Department of Medicine</b> The Sifton Distinguished Scientist Award	<b>\$10,000.00</b>
<b>Dr. Antonio Rocca, Department of Medicine</b> Mediation of Flow-Induced Arterial Remodelling	<b>\$64,000.00</b>
<b>Dr. Nancy M. Salbach, Department of Physical Therapy</b> Building physiotherapists' capacity to implement evidence-based stroke rehabilitation	<b>\$64,000.00</b>
<b>Dr. David A. Steinman, Mechanical &amp; Industrial Engineering</b> Hemodynamic factors in vascular disease: from bench to bedside.	<b>\$87,950.00</b>

## **York University Operating Grant Awards**

<b>Dr. Tara L. Haas, School of Kinesiology &amp; Health Sciences</b>	<b>\$80,660.00</b>
Roles of protease inhibitors in skeletal muscle micro vascular remodelling	
<b>Dr. Jennifer L. Kuk, School of Kinesiology &amp; Health Science</b>	<b>\$50,000.00</b>
<i>Dr. Paul G. Ritvo, Dr. Yuk-Miu Lam</i>	
<i>Dr. Chris I. Arden, Dr. Mazen Hamadeh</i>	
<i>Dr. Art Salmon, Dr. Sean Wharton</i>	
Project RADICAL: Race/ethnicity and the perception of Diabetes and cardiovascular disease risk factors in the context of Canada's Lifestyle and Obesity Guidelines (Pilot Project competition)	
<b>Dr. John C. McDermott, Department of Kinesiology and Biology</b>	<b>\$92,136.00</b>
Regulation of vascular smooth muscle gene expression by MEF2	
<b>Dr. Gary Sweeney, Department of Biology</b>	<b>\$80,000.00</b>
Cardioprotective effects of adiponectin	
<b>Dr. Robert G. Tsushima, Department of Biology</b>	<b>\$79,700.00</b>
Cell signalling in myocardial ischemia preconditioning	
<b>Dr. Robert G. Tsushima, Department of Biology</b>	<b>\$101,500.00</b>
<i>Dr. Herbert Y. Gaisano</i>	
SNARE protein regulation of cardiac ion channels and ANF secretion	

## **York University Personnel Awards**

<b>Dr. Robert G. Tsushima, Department of Biology</b>	<b>\$87,950.00</b>
SNARE protein regulation of cardiac ion channels and ANF secretion	

## **London Health Sciences Centre Operating Grant Awards**

<b>Dr. David G. Bailey, Department of Medicine</b>	<b>\$55,879.00</b>
<i>Dr. J. Malcolm Arnold, Dr. George Dresser</i>	
Coffee - cardiovascular drug interactions	
<b>Dr. Gediminas Cepinkas, Centre for Critical Illness Research</b>	<b>\$81,029.00</b>
Paracellular and intracellular mechanisms of cerebrovascular endothelial cell dysfunction in sepsis	
<b>Dr. Qingping Feng, Department of Physiology and Pharmacology</b>	<b>\$127,060.00</b>
Cardioprotection by erythropoietin: role of nitric oxide	
<b>Dr. Ting-Yim Lee, Imaging Research Laboratories</b>	<b>\$90,096.00</b>
<i>Dr. Sandra E. Black, Dr. David J. Gladstone</i>	
<i>Dr. Richard Aviv, Dr. Sean P. Symons</i>	
Prediction of hemorrhagic transformation of ischemic stroke with CT perfusion derived blood-brain-barrier permeability surface area product	
<b>Dr. Sanjay Mehta, Victoria Hospital</b>	<b>\$121,364.00</b>
Complex regulation of microvascular endothelial cell function in sepsis	

## **London Health Sciences Centre Operating Grant Awards**

<b>Dr. Wei-Ping Min, Department of Surgery</b>	<b>\$71,010.00</b>
<i>Dr. Xiufen Zheng</i> Preventing heart graft rejection through interrupting CD40-CD40L pathway by cell-specific gene silencing	
<b>Dr. John M. Murkin, Department of Anaesthesia</b>	<b>\$87,078.00</b>
<i>Dr. Keith R. Walley</i> Genetic determinants of neurocognitive dysfunction following cardiopulmonary bypass	
<b>Dr. Tianqing Peng, Critical Illness Research Program</b>	<b>\$106,117.00</b>
Role of calpain activation in myocardial dysfunction in sepsis	
<b>Dr. Tianqing Peng, Critical Illness Research Program</b>	<b>\$110,576.00</b>
Targeting mitochondrial redox signaling to prevent myocardial dysfunction in sepsis	
<b>Dr. Tao Rui, Centre for Critical Illness Research</b>	<b>\$97,895.00</b>
Role of HMGB1 in ischemia/reperfusion-induced myocardial injury	
<b>Dr. Keith S. St. Lawrence, Imaging Program</b>	<b>\$88,730.00</b>
<i>Dr. Ting-Yim Lee, Dr. Rebecca Jane Rylett</i> <i>Dr. Vladislav Toronov, Dr. James F. Staples</i> Oxygen consumption is an early predictor of brain damage following hypoxia-ischemia	
<b>Dr. Neville G. Suskin, Dept of Medicine</b>	<b>\$157,404.00</b>
<i>Dr. Vladimir Hachinski, Dr. Andrew L. Pipe</i> <i>Dr. Robert D. Reid, Dr. Femida Gwadry-Sridhar</i> <i>Dr. Richard K.T. Chan, Dr. Peter L. Prior</i> <i>Dr. Mukul Sharma</i> Comprehensive cardiac rehabilitation programming for patients following transient ischemic attack (extension)	
<b>Dr. James A. White, Faculty of Medicine and Dentistry</b>	<b>\$116,610.00</b>
Multi-modality imaging assessment for pacing interventions in heart failure (MAPIT-HF)	
<b>Dr. Zhu-Xu Zhang, Multi Organ Transplantation Program</b>	<b>\$92,080.00</b>
<i>Dr. Wei-Ping Min</i> Therapeutic potential and mechanism of double-negative regulatory T (DN-Treg) cells mediated tolerance in heart transplantation	

## **London Health Sciences Centre Personnel Awards**

<b>Dr. James A. White, Faculty of Medicine and Dentistry</b>	<b>\$64,000.00</b>
Myocardial Scar Imaging in Heart Failure: Prediction of Risk and Therapeutic Response	

## **Robarts Research Institute Operating Grant Awards**

<b>Dr. Sean P. Cregan, Physiology and Pharmacology</b>	<b>\$79,705.00</b>
Mechanisms of P53 induced neuronal apoptosis	
<b>Dr. Maria Drangova, Imaging Research Laboratories</b>	<b>\$118,204.00</b>
<i>Dr. Qingping Feng</i> Dynamic micro-CT for pre-clinical cardiac imaging	

### **Robarts Research Institute Operating Grant Awards**

<b>Dr. Ross D. Feldman, Departments of Medicine &amp; Physiology</b> <i>Dr. Robert Gros</i> Determinants of adenylyl cyclase-mediated vascular responses	<b>\$148,729.00</b>
<b>Dr. Stephen G. Ferguson, Neurodegeneration Research Group</b> Regulation of G protein-coupled receptor signaling desensitization and resensitization	<b>\$126,523.00</b>
<b>Dr. Robert A. Hegele, Department of Medicine &amp; Biochemistry</b> Phenomics and genomics of atherosclerosis in monogenic metabolic syndrome	<b>\$112,436.00</b>
<b>Dr. Robert A. Hegele, Department of Medicine &amp; Biochemistry</b> Genomics of hypertriglyceridemia	<b>\$164,036.00</b>
<b>Dr. David W. Holdsworth, Imaging Research Laboratory</b> <i>Dr. Richard N. Rankin, Prof. Tamie L. Poepping</i> Investigation of flow in the stenosed carotid bifurcation	<b>\$114,838.00</b>
<b>Dr. Murray W. Huff, Vascular Biology Group</b> <i>Dr. Stephen G. Ferguson, Dr. Robert A. Hegele</i> <i>Dr. J. Geoffrey Pickering</i> Cellular Programs and Responses in Atherosclerosis (Program Grant)	<b>\$250,000.00</b>
<b>Dr. Marco A.M. Prado, Robarts Research Institute-Cell Biology</b> Decreased cholinergic tone and heart dysfunction	<b>\$126,288.00</b>

### **Robarts Research Institute Personnel Awards**

<b>Dr. Maria Drangova, Imaging Research Laboratories</b> Cardiac imaging for therapy guidance and pre-clinical research studies	<b>\$87,950.00</b>
<b>Dr. Stephen G. Ferguson, Neurodegeneration Research Group</b> Molecular regulation of G protein-coupled receptor signal transduction, desensitization and resensitization	<b>\$87,950.00</b>

### **University of Western Ontario Operating Grant Awards**

<b>Dr. Peter Chidiac, Department of Physiology &amp; Pharmacology</b> <i>Dr. Qingping Feng</i> Mechanism of the protective effect of RGS2 in cardiac hypertrophy	<b>\$75,970.00</b>
<b>Dr. John Ciriello, Department of Physiology &amp; Pharmacology</b> Leptin links obstructive sleep apnea, obesity and hypertension	<b>\$112,193.00</b>
<b>Dr. Qingping Feng, Department of Physiology and Pharmacology</b> Heart development in diabetes: role of nitric oxide	<b>\$123,206.00</b>
<b>Dr. Lorne J. Gula, Faculty of Medicine and Dentistry</b> <i>Dr. Andrew D. Krahn, Dr. Neville G. Suskin</i> Monitoring of Ventricular Rhythm & Exercise - ICD study (MOVE-IT).	<b>\$72,468.00</b>

## **University of Western Ontario Operating Grant Awards**

<b>Dr. James R. Hammond, Department of Physiology &amp; Pharmacology</b>	<b>\$78,637.00</b>
Role of nucleoside/nucleobase transporters in the regulation of the vascular effects of adenosine and its metabolites	
<b>Dr. Murray W. Huff, Vascular Biology Group</b>	<b>\$132,760.00</b>
Regulation of ApoB metabolism: relationship to atherosclerosis	
<b>Dr. Morris Karmazyn, Department of Physiology &amp; Pharmacology</b>	<b>\$75,700.00</b>
Nitric oxide as an endogenous antihypertrophic factor	
<b>Dr. Morris Karmazyn, Department of Physiology &amp; Pharmacology</b>	<b>\$83,488.00</b>
Role of adenosine in myocardial hypertrophy and heart failure	
<b>Dr. Andrew D. Krahn, Department of Medicine</b>	<b>\$170,089.00</b>
<i>Dr. Christopher S. Simpson, Dr. Vijay S. Chauhan</i>	
<i>Dr. Jeff S. Healey, Dr. David H. Birnie</i>	
<i>Dr. Michael H. Gollob</i>	
Inherited causes of sudden death: phenotype genotype correlation	
<b>Dr. Wei-Ping Min, Department of Surgery</b>	<b>\$79,640.00</b>
Preventing heart graft rejection by inhibiting innate and adaptive alloimmunity through gene silencing of toll-like receptors	
<b>Dr. J. Geoffrey Pickering, Robarts Research Institute</b>	<b>\$122,530.00</b>
Control of smooth muscle cell motility and vascular stabilization	
<b>Dr. J. Kevin Shoemaker, School of Kinesiology</b>	<b>\$79,756.00</b>
<i>Dr. Neville G. Suskin, Dr. Keith S. St. Lawrence</i>	
Plasticity of cortical-cardiovascular interactions in vascular disease	
<b>Dr. Hao Wang, Department of Surgery</b>	<b>\$79,967.00</b>
Soluble CD83 based therapy in cardiac allograft tolerance	
<b>Dr. Hao Wang, Department of Surgery</b>	<b>\$85,371.00</b>
Mechanisms of immunomodulation by mesenchymal cells in cardiac allograft tolerance	

## **University of Western Ontario Personnel Awards**

<b>Dr. Peter Chidiac, Department of Physiology &amp; Pharmacology</b>	<b>\$87,950.00</b>
Impact of RGS proteins on cardiovascular function	
<b>Dr. Qingping Feng, Department of Physiology and Pharmacology</b>	<b>\$83,000.00</b>
Mechanisms of heart failure	
<b>Dr. Andrew D. Krahn, Department of Medicine</b>	<b>\$87,950.00</b>
Inherited arrhythmias: clinical and genetic assessment of primary electrical disease	
<b>Dr. J. Geoffrey Pickering, Robarts Research Institute</b>	<b>\$43,975.00</b>
Role of smooth muscle cells in vascular disease	

### **University of Windsor Operating Grant Awards**

<b>Dr. Marlys L. Koschinsky, Chemistry and Biochemistry</b>	<b>\$104,368.00</b>
The pathophysiology of Lp(a) in the arterial wall: effect of Apo(a) on vascular cell function	
<b>Dr. Marlys L. Koschinsky, Chemistry and Biochemistry</b>	<b>\$120,558.00</b>
<i>Dr. Michael E. Nesheim, Dr. Michael B. Boffa</i>	
Modulation of the TAFI pathway in health and disease: mechanistic analysis of the regulation of TAFI gene expression in hepatic and extrahepatic cells	

### **University of Windsor Personnel Awards**

<b>Dr. Marlys L. Koschinsky, Chemistry and Biochemistry</b>	<b>\$87,950.00</b>
Mechanisms of atherothrombosis: analysis of lipoprotein and fibrinolytic risk factors	

### **Children's Hospital of Eastern Ontario Operating Grant Awards**

<b>Dr. Gary S. Goldfield,</b>	<b>\$80,558.00</b>
<i>Dr. Kristi Bree Adamo</i>	
Behavioural engineering of physical activity in obese children: a randomized controlled trial	

### **Queen's University Operating Grant Awards**

<b>Dr. Michael A. Adams, Department of Pharmacology &amp; Toxicology</b>	<b>\$100,823.00</b>
Antihypertensive treatment strategies in the management of sexual dysfunction	
<b>Dr. Robert David Andrew, Department of Anatomy &amp; Cell Biology</b>	<b>\$84,921.00</b>
<i>Dr. Alastair V. Ferguson, Dr. Albert Y. Jin</i>	
Mechanisms that drive acute neuronal swelling and dysfunction in stroke	
<b>Dr. Graham P. Cote, Department of Biochemistry</b>	<b>\$94,105.00</b>
Formation and function of invadopodia in vascular smooth muscle cells	
<b>Dr. Alastair V. Ferguson, Department of Physiology</b>	<b>\$124,688.00</b>
Adiponectin actions in autonomic control centres of the brain	
<b>Dr. Rachel M. Holden, Department of Medicine</b>	<b>\$88,011.00</b>
<i>Dr. Michael A. Adams</i>	
Mechanisms of vascular calcification (VC) in a model of chronic kidney disease (CKD)	
<b>Dr. David Lillicrap, Department of Pathology &amp; Molecular Medicine</b>	<b>\$142,860.00</b>
<i>Dr. Maha Othman</i>	
Gain-of-function mutants affecting the glycoprotein Ib/von Willebrand factor interaction: Potential novel antithrombotic molecules	
<b>Dr. David Lillicrap, Department of Pathology &amp; Molecular Medicine</b>	<b>\$72,635.00</b>
Age-related pathophysiology of von Willebrand factor	

## **Queen's University Operating Grant Awards**

<b>Dr. Alan S. Mak, Department of Biochemistry</b> Cortactin and caldesmon in vascular smooth muscle cell migration and invasion	<b>\$100,559.00</b>
<b>Dr. Donald H. Maurice, Pharmacology and Toxicology</b> Phosphodiesterases in arteries	<b>\$96,592.00</b>
<b>Dr. Michael E. Nesheim, Department of Biochemistry and Medicine</b> The activation of TAFI and the properties of TAFIa	<b>\$88,521.00</b>
<b>Dr. Shetuan Zhang, Department of Physiology</b> Control of cell surface channel density by potassium as a novel mechanism for hERG regulation	<b>\$142,295.00</b>

## **Queen's University Personnel Awards**

<b>Dr. Colin D. Funk, Department of Physiology</b> Lipoxygenase and cyclooxygenase pathways in cardiovascular disease	<b>\$87,950.00</b>
<b>Dr. Donald H. Maurice, Pharmacology and Toxicology</b> PDEs in blood vessels	<b>\$87,950.00</b>

## **Ottawa Hospital Research Institute Operating Grant Awards**

<b>Dr. Richard Bergeron, Neuroscience Program</b> Glycine and brain ischemia	<b>\$57,720.00</b>
<b>Dr. Marc Carrier, Division of Hematology</b> <i>Dr. Philip S. Wells, Dr. Douglas A. Coyle Dr. Marc A. Rodger, Dr. Agnes Y.Y. Lee Dr. Timothy O. Ramsay, Dr. Alejandro Lazo-Langner Dr. Vicky Tagalakis, Dr. Hardy H. Tao Dr. Gregoire Le Gal</i> Screening for previously undiagnosed malignancy in patients with unprovoked venous thromboembolism: a randomized controlled trial using a comprehensive computed tomography of the abdomen/pelvis	<b>\$80,000.00</b>
<b>Dr. Hsiao-Huei Chen, Department of Neuroscience</b> Mechanisms to reduce injury and improve recovery from stroke	<b>\$106,511.00</b>
<b>Dr. Marc A. Rodger, Clinical Epidemiology Unit</b> <i>Dr. David R. Anderson, Dr. Philip S. Wells Dr. Susan R. Kahn, Dr. Marc Carrier Dr. Timothy O. Ramsay, Dr. Gregoire Le Gal Dr. Susan Solymoss, Dr. Marisol T. Betancourt</i> Recurrent venous thromboembolism risk stratification evaluation (REVERSE): long term follow-up to define if lifelong anticoagulation is required in high risk patients with a first unprovoked venous thromboembolism	<b>\$110,269.00</b>
<b>Dr. Marcel Ruzicka, Department of Nephrology</b> <i>Dr. Frans H.H. Leenen, Dr. Greg A. Knoll Dr. Rhian M. Touyz, Dr. Brendan B. McCormick Dr. Ripu D Jindal</i> Sympathetic activity in patients with end-stage renal disease on peritoneal dialysis	<b>\$54,552.00</b>

## **Ottawa Hospital Research Institute Operating Grant Awards**

**Dr. Alexander Sorisky, Chronic Disease Program** **\$138,633.00**  
MAPping adipose tissue malfunction in obesity: macrophages, adipose cells, and PDGF

**Dr. Ian G. Stiell, Clinical Epidemiology Unit** **\$100,743.00**  
*Dr. Paul Dorian, Dr. George A. Wells*  
*Dr. Bjug Borgundvaag, Dr. George D. Wyse*  
*Dr. David H. Birnie, Dr. Jeffrey J. Perry*  
*Dr. Damian Paul Redfearn, Dr. Robert J. Brison*  
A prospective evaluation of the outcomes and quality of life of emergency department patients with recent-onset atrial fibrillation and flutter (RAFF)

**Dr. Rhian M. Touyz, Kidney Research Centre** **\$117,395.00**  
TRPM7 signaling through lipid rafts in vascular smooth muscle cells - implications in hypertension

**Dr. Philip S. Wells,** **\$191,647.00**  
*Dr. David R. Anderson, Dr. Clive Kearon*  
*Dr. Michael J. Kovacs, Dr. Mark A. Crowther*  
*Dr. Marc A. Rodger, Dr. Susan R. Kahn*  
*Dr. Nancy L. Carson, Dr. Timothy O. Ramsay*  
Development and validation of clinical prediction rules for bleeding for patients on anticoagulant therapy for venous thromboembolism

**Dr. Xiaohui Zha, Chronic Disease Program** **\$84,500.00**  
Molecular mechanisms of calcineurin signaling in ABCA1 function

## **Ottawa Hospital Research Institute Personnel Awards**

**Dr. Marc A. Rodger, Clinical Epidemiology Unit** **\$87,950.00**  
Thrombophilia and placenta mediated pregnancy complications

## **University of Ottawa Operating Grant Awards**

**Dr. Jean-Claude Beique, Department of Cellular & Molecular Medicine** **\$58,119.00**  
Trafficking of NMDA receptors during stroke

**Dr. John W. Copeland, Faculty of Medicine** **\$108,585.00**  
Role of formin proteins in shear stress-induced cytoskeletal remodeling in endothelial cells

**Dr. Mary Egan, Rehabilitation Sciences** **\$47,287.00**  
*Dr. Clair-Jehane Dubouloz, Mrs. Dorothy Kessler*  
*Dr. Christopher Davis*  
Engaging in valued activities post stroke

**Dr. Mary-Ellen Harper, Biochemistry, Microbiology & Immunology** **\$95,180.00**  
*Dr. Michael H. Gollob*  
Implications of AMPK-gamma mutations for cardiac and skeletal muscle mitochondrial energetics

**Dr. Sheng T. Hou, Institute for Biological Sciences** **\$72,575.00**  
Investigation of SEMA3A's role in angiogenesis and vascular permeability during stroke recovery

## **University of Ottawa Operating Grant Awards**

<b>Dr. Jonathan M. Lee, Biochemistry, Microbiology &amp; Immunology</b> The role of elongation factor eEF1A2 in obesity	<b>\$71,921.00</b>
<b>Dr. Mona Nemer, Biochemistry, Microbiology &amp; Immunology</b> Mechanisms of TBX5 action in the heart	<b>\$118,196.00</b>
<b>Dr. David S. Park, Faculty of Medicine</b> Oxidative stress and ischemic death	<b>\$123,066.00</b>
<b>Dr. David S. Park, Faculty of Medicine</b> Mechanism of delayed death in stroke	<b>\$136,414.00</b>
<b>Dr. Ruth Slack, Department of Cellular Molecular Medicine</b> Regulation of Mcl1 to treat stroke	<b>\$104,254.00</b>
<b>Dr. Ruth Slack, Department of Cellular Molecular Medicine</b> Manipulating mitochondrial dynamics to promote brain recovery after stroke	<b>\$102,384.00</b>
<b>Dr. Frederique Tesson, Faculty of Health Science</b> <i>Dr. Ross A. Davies, Dr. Marc Andre Ruel</i> Cell nucleus and dilated cardiomyopathy	<b>\$96,389.00</b>
<b>Dr. Zemin Yao, Biochemistry, Microbiology &amp; Immunology</b> Analysis of non-truncating APOB mutations in human hypobetalipoproteinemia and hypocholesterolemia	<b>\$71,200.00</b>
<b>Dr. Zemin Yao, Biochemistry, Microbiology &amp; Immunology</b> Functional analysis of ApoC3 mutation in human hypotriglyceridemia	<b>\$90,584.00</b>
<b>Dr. Wandong Zhang, Neurobiology Program</b> <i>Dr. Xia Zhang, Dr. John M. Woulfe</i> Modulation of MMP9 expression induced by cerebral ischemia and reperfusion to reduce blood-brain barrier permeability and brain damage in ischemic stroke	<b>\$56,200.00</b>

## **University of Ottawa Personnel Awards**

<b>Ms. Beverley Kelley, School of Nursing</b> Navigating Community Care Post-Stroke: An Examination of Older Adults' Experiences	<b>\$31,000.00</b>
<b>Dr. David S. Park, Faculty of Medicine</b> Pathways which regulate neuronal death	<b>\$87,950.00</b>

## **University of Ottawa Heart Institute Operating Grant Awards**

<b>Dr. Rob S. B. Beanlands, Department of Medicine</b> <i>Dr. Robert A. de Kemp, Dr. Marc Andre Ruel</i> <i>Dr. Jean N. DaSilva, Dr. Mary-Ellen Harper</i> <i>Dr. Michael H. Gollob, Dr. Erik J. Suuronen</i> Elucidation of metabolic and cellular function alterations in dysfunctional myocardium and their response to therapy (Program Grant)	<b>\$249,989.00</b>
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## **University of Ottawa Heart Institute Operating Grant Awards**

<b>Dr. Adolfo J. de Bold, Cardiovascular Endocrinology Laboratory</b> Regulation of the endocrine function of the heart	<b>\$60,360.00</b>
<b>Dr. Adolfo J. de Bold, Cardiovascular Endocrinology Laboratory</b> <i>Dr. Mercedes L. Kuroski de Bold</i> Studies on cardiac structure and function post myocardial infarction following administration of a long acting ANF analogue	<b>\$64,960.00</b>
<b>Dr. George J. Fodor, Prevention and Rehabilitation Centre</b> <i>Dr. Marcel Ruzicka, Dr. Ramesh Babu Byrapaneni</i> <i>Dr. Zengwu Wang</i> A comparison of cardiovascular risk between Chinese and South Asian Canadians, and residents in China and India (Pilot Project competition)	<b>\$49,887.00</b>
<b>Dr. Thomas A. Lagace, Department of Cardiology</b> Regulation of the PCSK9 binding interaction with LDL receptor	<b>\$78,331.00</b>
<b>Dr. Frans H.H. Leenen, Department of Medicine</b> <i>Dr. Ross A. Davies, Dr. Kathryn J. Ascah</i> <i>Dr. Marcel Ruzicka, Dr. Michel R. Le May</i> RAS blockade and sympathetic activity in humans post MI	<b>\$110,881.00</b>
<b>Dr. Yves L. Marcel, Lipoproteins &amp; Atherosclerosis</b> <i>Dr. Stewart C. Whitman</i> The role of the innate immune system in atherosclerosis: Further defining the role of NKT cells, interferon-gamma and IL-4 in the disease process	<b>\$108,184.00</b>
<b>Dr. Yves L. Marcel, Lipoproteins &amp; Atherosclerosis</b> Low HDL syndrome and the inflamed monocytes	<b>\$80,000.00</b>
<b>Dr. Heidi M. McBride, Lipoproteins and Atherosclerosis Group</b> Mechanism and function of mitochondrial derived vesicles	<b>\$125,415.00</b>
<b>Dr. Ruth McPherson, Department of Medicine</b> Genotype to phenotype: functional analysis of CHD genetic variants	<b>\$78,827.00</b>
<b>Dr. Lisa M. Mielniczuk, Department of Medicine</b> <i>Dr. Rob S. B. Beanlands, Dr. Robert A. de Kemp</i> <i>Dr. Duncan J. Stewart, Dr. Ross A. Davies</i> <i>Dr. George A. Wells, Dr. Carole Dennie</i> <i>Dr. Jean N. DaSilva, Dr. Haissam Haddad</i> Right ventricular substrate metabolism as a predictor of right heart failure in patients with pulmonary arterial hypertension	<b>\$66,469.00</b>
<b>Dr. Edward R.M. O'Brien, Department of Medicine</b> Extracellular and intracellular vascular roles of HSP27: an estrogen receptor beta associated heat shock protein	<b>\$79,936.00</b>

## **University of Ottawa Heart Institute Operating Grant Awards**

<b>Dr. Andrew L. Pipe, Department of Prevention &amp; Rehabilitation</b>	<b>\$125,000.00</b>
<i>Dr. Robert D. Reid, Ms. Sophia Papadakis Dr. Heather E. Tulloch, Ms. Debbie Anne Aitken Mrs. Kerri-Anne Mullen, Dr. Amy E. Mark</i>	
Self directed titrated nicotine patch versus standard treatment for smoking cessation in smokers motivated to quit	
<b>Dr. Robert D. Reid, Department of Medicine</b>	<b>\$223,389.00</b>
<i>Dr. Andrew L. Pipe, Ms. Sophia Papadakis Dr. Mukul Sharma, Mrs. Sophia J. Gocan Mrs. Mary Ann C. Laplante, Ms. Debbie Anne Aitken Dr. Isabella A. Moroz, Mrs. Kerri-Anne Mullen</i>	
Efficacy and cost-effectiveness of cost-free pharmacotherapy for smoking cessation for high-risk smokers with cerebrovascular disease	
<b>Dr. Marc Andre Ruel, Division of Cardiac Surgery</b>	<b>\$79,536.00</b>
<i>Dr. Rob S. B. Beanlands, Dr. Robert A. de Kemp Dr. John P. Veinot, Dr. Jean N. DaSilva Dr. Erik J. Suuronen</i>	
Evaluation of biopolymer delivered EPCs for cardiac repair in a swine model of hibernating myocardium	
<b>Dr. Derek Y.F. So, Department of Medicine</b>	<b>\$79,100.00</b>
<i>Dr. Marino Labinaz, Dr. George A. Wells Dr. Christopher A. Glover, Dr. Michel R. Le May Dr. Judith A. Leech, Dr. George P. Chandy</i>	
Obstructive sleep apnea as a risk factor for clopidogrel unresponsiveness in patients undergoing percutaneous coronary intervention: prevalence, mechanisms and possible influence on clinical outcomes	
<b>Dr. Daniel L. Sparks, Pathology &amp; Laboratory Medicine</b>	<b>\$80,000.00</b>
The role of HDL in triglyceride metabolism	
<b>Dr. Erik J. Suuronen, Department of Cardiac Surgery</b>	<b>\$130,078.00</b>
<i>Dr. Rob S. B. Beanlands, Dr. Robert A. de Kemp Dr. John P. Veinot, Dr. Marc Andre Ruel Dr. Stewart C. Whitman, Dr. Jean N. DaSilva Dr. Xudong Cao</i>	
Recruitment of endogenous circulating progenitor cells for cardiac regeneration using enhanced tissue-engineered biomatrices	
<b>Dr. Heather E. Tulloch, Department of Prevention and Rehabilitation</b>	<b>\$0.00</b>
<i>Dr. Andrew L. Pipe, Dr. Robert D. Reid Dr. Charl Els</i>	
Interventions to reduce cardiovascular disease: "real world" effectiveness of combined pharmacotherapy and behavioral counselling for smoking cessation.	
<b>Dr. James W. Van Huysse, Department of Medicine</b>	<b>\$76,018.00</b>
Roles of the brain Na, K-ATPase alpha isoforms in the regulation of blood pressure	
<b>Dr. R. Glenn Wells, Department of Cardiac Imaging</b>	<b>\$78,254.00</b>
<i>Dr. Robert A. de Kemp, Dr. Terrence D. Ruddy Dr. Anna M. Celler</i>	
Respiratory motion compensation in coronary flow reverse measurements with CZT dedicated cardiac single-photon emission computed tomography	

## **University of Ottawa Heart Institute Personnel Awards**

<b>Dr. Rob S. B. Beanlands, Department of Medicine</b> Metabolism, energetics and neurohormonal signaling and their response to therapy in dysfunctional myocardium	<b>\$87,950.00</b>
<b>Dr. Darryl R. Davis, Division of Electrophysiology</b> Mechanism of therapy: cardiac stem cells in myocardial repair	<b>\$64,000.00</b>
<b>Dr. Michael H. Gollob, Department of Medicine</b> Insight into the mechanisms of atrial fibrillation	<b>\$70,250.00</b>
<b>Dr. Amy E. Mark, Prevention &amp; Rehabilitation Centre</b> Intervention for dietary behaviour change among individuals at risk for CHD	<b>\$59,500.00</b>

## **Brock University Operating Grant Awards**

<b>Dr. Terrance J. Wade, Community Health Sciences</b> <i>Dr. J. Kevin Shoemaker, Dr. Deborah D. O'Leary</i> <i>Dr. Panagiota Klentrou, Dr. Paul J. LeBlanc</i> <i>Dr. John A. Hay, Dr. John Cairney</i> <i>Dr. Jian Liu, Dr. Brian D. Roy</i> <i>Dr. Colleen Hood, Dr. Dawn M. Zinga</i> Social Determinants of Child Hypertension (Social Determinants of Hypertension Research Initiative)	<b>\$100,010.00</b>
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## **McMaster University Operating Grant Awards**

<b>Dr. Sonia Anand, Department of Medicine</b> <i>Mr. Andrew Mente, Dr. Scott A. Lear</i> <i>Dr. Bajju R. Shah, Dr. Zubin Punthakee</i> <i>Dr. Catherine A. Middleton, Dr. Zainab Samaan</i> <i>Mr. Shofiqul M. Islam</i> South asian heart and health risk assessment project	<b>\$70,000.00</b>
<b>Dr. Sonia Anand, Department of Medicine</b> <i>Dr. Daniel Gaudet, Dr. Joseph Beyene</i> <i>Dr. James C Engert, Dr. Changchun Xie</i> <i>Dr. Guillaume Pare</i> Genome wide association study of metabolic syndrome traits among south asians	<b>\$90,000.00</b>
<b>Dr. Richard C. Austin, Department of Pathology</b> Contributions of the unfolded protein response pathway to adipogenesis and obesity	<b>\$79,234.00</b>
<b>Dr. Richard C. Austin, Department of Pathology</b> <i>Dr. Luke J. Janssen, Dr. Colin A. Nurse</i> <i>Dr. Bernardo L. Trigatti, Dr. Peter L. Gross</i> <i>Dr. Suleiman A. Igdoura</i> Identification and characterization of novel and therapeutic strategies that decrease atherothrombotic disease (Program Grant)	<b>\$250,000.00</b>

## **McMaster University Operating Grant Awards**

<b>Dr. Anthony K.C. Chan, Department of Paediatrics</b> Surface mechanisms of anticoagulant ATH complex	<b>\$89,418.00</b>
<b>Dr. Anthony K.C. Chan, Department of Paediatrics</b> Carbohydrate variation effects in the protein C pathway during development	<b>\$79,564.00</b>
<b>Dr. Deborah J. Cook, Division of Critical Care</b> <i>Dr. Mark A. Crowther, Dr. Lauralyn McIntyre</i> <i>Dr. Maureen O. Meade, Dr. Peter M. Dodek</i> <i>Dr. John C. Marshall, Dr. Francois Lamontagne</i> <i>Dr. John, G. Musceder, Dr. Richard, I. Hall</i> PE-METRICS: pulmonary embolism: methodology, epidemiology & treatment in critical care study	<b>\$49,903.00</b>
<b>Dr. Mark A. Crowther, Department of Medicine</b> <i>Dr. Sam Schulman</i> Does low dose oral vitamin K improve the quality of warfarin anticoagulation	<b>\$0.00</b>
<b>Dr. Mark A. Crowther, Department of Medicine</b> <i>Dr. Deborah J. Cook</i> <i>Dr. Theodore E. Warkentin</i> HITEC (Heparin induced thrombocytopenia evaluation in critical care) - Renewal	<b>\$58,430.00</b>
<b>Dr. Catherine Demers, Department of Medicine</b> <i>Dr. Robert S. McKelvie, Dr. Koon K. Teo</i> <i>Dr. Christopher J. Patterson, Dr. George A.W. Heckman</i> <i>Ms. Anne Marie Pizzacalla, Dr. Peter L. Prior</i> <i>Mrs. Karen Irene Harkness</i> The impact of mild cognitive deficits at hospital discharge on self-care in older heart failure patients	<b>\$98,092.00</b>
<b>Dr. John W.A. Eikelboom, Department of Medicine</b> <i>Dr. Deborah J. Cook, Dr. Jeffrey I. Weitz</i> <i>Dr. Hertz C. Gerstein, Dr. Matthew J. McQueen</i> <i>Dr. Philip J. Devereaux, Dr. Lehana Thabane</i> <i>Dr. Zubin Punthakee, Dr. Stephen A. Hill</i> <i>Dr. Peter A. Kavsak</i> Thrombotic mechanisms as predictors of Vascular events In non-cardiac Surgery patients cohOrt evaluatioN (ThromboVISION)	<b>\$130,301.00</b>
<b>Dr. Richard M. Epand, Biochemistry &amp; Biomedical Sciences</b> Mechanism of action of potent antiatherogenic peptides	<b>\$65,000.00</b>
<b>Dr. Peter L. Gross, Department of Medicine</b> Defining how atorvastatin inhibits platelets	<b>\$80,000.00</b>
<b>Dr. Ashok K. Grover, Department of Medicine</b> Caloxins: novel inhibitors of plasma membrane calcium pumps	<b>\$79,256.00</b>
<b>Dr. Catherine P. Hayward, Pathology &amp; Molecular Medicine</b> <i>Dr. Bradley W. Doble</i> Functions of multimerin 1 as a platelet adhesive protein	<b>\$80,000.00</b>

## McMaster University Operating Grant Awards

<b>Dr. John G. Kelton, Faculty of Health Sciences</b> <i>Mrs. Jane C. Moore, Dr. Donald M. Arnold</i> <i>Prof. Mark Larche, Dr. Ishac Nazi</i> Platelet-mediated acute thrombotic disorders	<b>\$145,887.00</b>
<b>Dr. Patricia C.Y. Liaw, Department of Medicine</b> Studies of the endothelial cell protein C receptor (EPCR)	<b>\$121,160.00</b>
<b>Dr. Lori-Ann Linkins, Henderson Hospital</b> <i>Dr. Shannon M. Bates, Dr. Theodore E. Warkentin</i> <i>Dr. Agnes Y.Y. Lee, Mrs. Nancy M. Heddle</i> <i>Ms. Yang Liu</i> Evaluation of a diagnostic strategy for patients with suspected heparin-induced thrombocytopenia (HIT)	<b>\$39,907.00</b>
<b>Dr. Colin A. Nurse, Department of Biology</b> Functional and anatomical characterization of rat aortic body chemoreceptors	<b>\$77,106.00</b>
<b>Dr. Martin J. O'Donnell, Department of Medicine</b> <i>Dr. Salim Yusuf, Dr. Koon K. Teo</i> <i>Dr. Matthew J. McQueen, Mr. Andrew Mente</i> <i>Dr. Clara Chow, Mr. Shofiqul M. Islam</i> <i>Dr. Mahshid Dehghan</i> Sodium intake and cardiovascular disease in diverse populations	<b>\$105,256.00</b>
<b>Dr. Guillaume Pare, Pathology &amp; Molecular Medicine</b> <i>Dr. Sonia Anand, Dr. Salim Yusuf</i> <i>Dr. Martin J. O'Donnell, Dr. Changchun Xie</i> Understanding the contribution of genetic variants to stroke risk in a multi-ethnic population: the interstroke genetics study	<b>\$118,669.00</b>
<b>Dr. Stephen G. Shaughnessy, Pathology &amp; Molecular Medicine</b> <i>Dr. Edward Young</i> Mechanism(s) of low molecular weight heparin-induced bone loss	<b>\$80,000.00</b>
<b>Dr. William P. Sheffield, Pathology &amp; Molecular Medicine</b> Exploring engineered serpins as potential antithrombotic agents	<b>\$98,750.00</b>
<b>Dr. William P. Sheffield, Pathology &amp; Molecular Medicine</b> Transforming hirudin into an activatable, clot-localized thrombin inhibitor	<b>\$98,232.00</b>
<b>Dr. Damu Tang, Department of Medicine</b> Characterization of a novel insig binding protein (INSigBP1)	<b>\$81,500.00</b>
<b>Dr. Koon K. Teo, Department of Medicine</b> <i>Dr. Sonia Anand, Dr. Salim Yusuf</i> <i>Dr. Matthew J. McQueen, Ms. Janice M. Pogue</i> <i>Dr. Stephanie A. Atkinson, Dr. Katherine M. Morrison</i> <i>Dr. Sarah D. McDonald, Dr. Guillaume Pare</i> <i>Dr. Jacqueline M. Bourgeois</i> Early life origins of obesity and obesity-related disorders- the family cohort	<b>\$158,133.00</b>

### **McMaster University Operating Grant Awards**

<b>Dr. Theodore E. Warkentin, Pathology and Molecular Medicine</b> Heparin-induced thrombocytopenia	<b>\$98,196.00</b>
<b>Dr. Jeffrey I. Weitz, Henderson Research Centre</b> Impact of gamma' fibrinogen on clot formation and clot lysis at sites of plaque rupture	<b>\$118,563.00</b>
<b>Dr. Geoffrey H. Werstuck, Department of Biochemistry &amp; Medicine</b> Investigating the role of glycogen synthase kinase (GSK)-3 in accelerated atherosclerosis	<b>\$81,000.00</b>

### **McMaster University Personnel Awards**

<b>Dr. Richard C. Austin, Department of Pathology</b> Role of endoplasmic reticulum stress in atherothrombotic disease	<b>\$87,950.00</b>
<b>Dr. Mark A. Crowther, Department of Medicine</b> Reducing cardiovascular disease by improving our use of antithrombotic agents	<b>\$87,950.00</b>
<b>Dr. Catherine P. Hayward, Pathology &amp; Molecular Medicine</b> Studies of novel platelet secretory proteins	<b>\$83,000.00</b>
<b>Dr. Clive Kearon, Department of Medicine</b> Optimizing treatment and diagnosis of venous thromboembolism	<b>\$87,950.00</b>
<b>Dr. Frederick A. Spencer, Department of Medicine</b> Clinical epidemiology and management of cardiovascular and venous thromboembolic disease	<b>\$87,950.00</b>
<b>Dr. Frederick A. Spencer, Department of Medicine</b> Fortinos Distinguished Scientist Award	<b>\$10,000.00</b>

### **University of Guelph Operating Grant Awards**

<b>Dr. Arend Bonen, Human Biology/Nutritional Sciences Department</b> Regulation of fatty acid transport in the heart	<b>\$99,022.00</b>
<b>Dr. John F. Dawson, Department of Molecular &amp; Cellular Biology</b> Expression and characterization of human cardiac actin mutants linked to hypertrophic and dilated cardiomyopathies	<b>\$79,556.00</b>
<b>Dr. Tami A. Martino, Department of Physiology</b> Circadian control of cardiac remodeling	<b>\$78,981.00</b>

### **University of Waterloo Operating Grant Awards**

<b>Dr. James A. Danckert, Department of Psychology</b> <i>Dr. Eric A. Roy</i> Rehabilitating unilateral neglect: contrasting prism adaptation with saccade adaptation	<b>\$48,760.00</b>
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## **University of Waterloo Operating Grant Awards**

**Dr. George A.W. Heckman, Department of Medicine** **\$79,788.00**

*Dr. Robert S. McKelvie, Dr. Catherine Demers  
Dr. Sharon J. Kaasalainen, Dr. Paul Stolee  
Dr. Patricia H. Strachan, Ms. Mary-Lou A. Van der Horst  
Dr. Erin Y. Tjam, Dr. Mary Louise I. Kelley  
Ms. Sonja Habjan*

Adapting the Canadian Cardiovascular Society recommendations on heart failure: a consensus-based approach with stakeholder input

**Dr. Eric A. Roy, Department of Kinesiology** **\$69,864.00**

*Dr. Sandra E. Black, Dr. Norman W. Park  
Ms. Deborah Ann Herbert, Dr. Michael J. Dixon  
Dr. William E. McIlroy, Dr. W. Richard Staines  
Dr. James A. Danckert, Dr. Scott G. Adams*

Neuropsychological profiles and neuroanatomic correlates of limb apraxia

**Dr. J. David Spafford, Department of Biology** **\$78,882.00**

*Dr. John Honek*

Structure-function analyses of drug interactions with L-type calcium channels

## **Out of Ontario Operating Grant Awards**

**Dr. Louise Pilote, General Internal Medicine** **\$45,524.00**

*Dr. Jafna L. Cox, Dr. Jack V. Tu  
Dr. William Ghali, Dr. Mark J. Eisenberg  
Dr. Karin H. Humphries, Dr. Ken D. Stark  
Dr. James C Engert, Dr. Nadia A. Khan  
Dr. Vicky Tagalakis, Dr. Igor Karp  
Dr. Simon L. Bacon, Dr. Lorraine E. Chalifour  
Dr. Kaberi Dasgupta, Dr. Styliani-Stella Daskalopoulou  
Prof. Pavel Hamet, Dr. Kim L. Lavoie  
Dr. Colleen M. Norris, Dr. Doreen M. Rabi  
Dr. Johanne Tremblay*

Genesis praxy: Gender and sex determinants of cardiovascular disease from bench to beyond in premature acute coronary syndrome

## **Institute for Clinical Evaluative Sciences Operating Grant Awards**

**Dr. Douglas Lee, Health Outcomes/Health Services** **\$99,668.00**

*Dr. Candice Silversides*

Congenital heart disease in adults in the province of Ontario

## **Northern Ontario Summer Medical Student Scholarships**

**Anderson, Kathleen** (Dr. Marion Maar) Human Sciences Division

Multidisciplinary interventions for a rural primary care setting: Developing patient-centred strategies for improved management of the co-morbidities associated with type II diabetes

**MacIntosh, Sheila** (Dr. Bob Chaudhuri) Clinical Lecturer

Attitudinal differences and knowledge gaps in interprofessional collaboration and education between health care professionals and health care students

**Piche, Matthew** (Dr. T.C. Tai) Division of Medical Sciences

Protective effects of polyphenolic compounds on oxidative stress-induced cytotoxicity in rat cardiac myocytes

**Yates, William** (Dr. T.C. Tai) Division of Medical Sciences

Regulation of adrenaline biosynthesis by reactive oxygen species diabetes

# Summer Medical Student Scholarships

## McMaster University

- ❖ **Russo, Juan Jose** (Dr. Sanjit Jolly) Hamilton General Hospital  
Appropriateness of inclusion of congestive heart failure in composite endpoints of ST elevation myocardial infarction trials

## Queen's University

- Ahuja, Christopher** (Dr. R. Loch Macdonald) Department of Neurosurgery  
Cerebral infarction as a surrogate outcome measure after subarachnoid hemorrhage
- Anselm, Daniel** (Dr. Rob Beanlands) Department of Medicine  
Reverse perfusion-metabolism mismatch
- Yazdan-Ashoori, Payam** (Dr. Adrian Baranchuk) Department of Medicine  
Sleep Apnea and Stroke: Is atrial fibrillation the link?

## University of Ottawa

- Lim Fat, Mary Jane** (Dr. Cheemun Lum) Department of Radiology  
Determinants of ischemic events during endovascular coiling
- Shukla, Tushar** (Dr. Rob Beanlands) Cardiac Imaging  
PET and recovery following revascularization (PARR): Quality of life evaluation
- **Simard, Trevor** (Dr. Edward O'Brien) Department of Medicine  
Circulating HSFP27 levels and coronary artery disease

## University of Toronto

- ★ **Chari, Madhu** (Dr. Lars Grosse-Wortmann) Department of Paediatrics  
Detection of acute rejection after cardiac transplantation by magnetic resonance imaging
- Deshwar, Ashish** (Dr. Ian Scott) Department of Molecular Genetics  
Role of the chromatin remodelling factor Baf60c in cardiovascular progenitor fate
- Jakubovic, Baruch** (Dr. Ron Wald) Department of Nephrology & Cardiology  
Comparative assessment of 2-dimensional echocardiography and cardiac magnetic resonance imaging in evaluating card. structural param. for patients with end-stage renal disease undergoing hemodialysis

## University of Western Ontario

- ◆ **Cooper, Joel** (Dr. Keith St. Lawrence) Department of Medical Biophysics  
Reducing the risk of stroke during aneurysm surgery by intra-operative monitoring of cerebral blood flow
- DeRita, Omar** (Dr. Daniel Hackam) Siebens Drake Research Institute  
Plasma aldosterone levels and progression of carotid atherosclerosis
- Patel, Neeraj** (Dr. Robert Hegele) Vascular Biology Research Group  
Leading edge genomic technologies as a research interface to clinical applications

- ❖ Juan Jose Russo was named the Frank and Doris Sercombe Summer Medical Student for Fiscal 2010
- ◆ Joel Cooper was named the Irwin Bernick Scholar for Fiscal 2010
- ★ Madhu Chari was named the R. John & Agnes M. Adams Summer Medical Student for Fiscal 2010
- Trevor Simard was named the Rajeshwar and Dr. Usha Bhargava Summer Medical Student for Fiscal 2010

## **Master's Studentships**

### **McMaster University**

- Law, Sai Fai Bosco** (Dr. David Musson) Centre for Simulation-Based Learning  
Improving effectiveness of cardiac resuscitation through high fidelity simulation and team training
- Veerman, Kaley J.** (Dr. Geoff Werstuck) Med., Biochemistry & Biomedical Sciences  
Investigating the role of the vasa vasorum in the development of diabetic atherosclerosis

### **Queen's University**

- McPherson, Mark A.** (Dr. Kristan J. Aronson) Community Health and Epidemiology  
Physical activity as a determinant of melatonin levels in rotating shift nurses
- Mecredy, Graham C.** (Dr. Ian Janssen) Kinesiology and Health Studies  
Built environments as determinants of cardioprotective behaviours in Canadian adolescents

### **University of Ottawa**

- Andrusiak, Matthew G.** (Dr. Ruth Slack) Cellular and Molecular Medicine  
The role of pRb in the regulation of neural stem cell fate
- Giordano, Celine** (Dr. Marc Ruel) Cardiac Surgery  
Functional comparison of circulating progenitor cell subpopulations for cell-based angiogenesis
- Safarpour, Farzaneh F.S.** (Dr. David Park) Cellular and Molecular Medicine  
The potential role of Parkinson's disease gene PINK1 in stroke-induced cellular damage
- Sofrenovic, Tanja** (Dr. Erik Suuronen) Surgery  
Enhanced matrix for recruitment of circulating progenitor cells to the heart
- Syrett, Andrew J.** (Dr. Steffany Bennett) Biochemistry, Microbiology and Immunology  
Bioactive glycerophospholipids and their role in modulating neuronal vulnerability following ischemia

### **University of Toronto**

- Beca, Bogdan Mihai** (Dr. Craig A. Simmons) Mechanical and Industrial Engineering  
High-throughput screening of heart valve tissue engineering systems

### **University of Waterloo**

- Gates, Allison** (Dr. Leonard Tsuji) Environment and Resource Studies  
Assessment of food intake and physical activity in Cree school children
- Gates, Michelle** (Dr. Rhona Hanning) Health Studies and Gerontology  
Assessment of the Cree children's food intake using an innovative web-based survey

### **University of Western Ontario**

- Assini, Julia** (Dr. Murray W. Huff) Biochemistry and Medicine  
Prevention of dyslipidemia and atherosclerosis by the citrus flavonoid, nobiletin

**Grant Allocation Sub-Committee  
Heart and Stroke Foundation of Ontario  
2009/2010**

**Chair**

**Dr. David Lillicrap**

Professor, Department of Pathology and Molecular Medicine, Queen's University  
Canada Research Chair in Molecular Hemostasis, Queen's University

**Vice Chair**

**Dr. Myron Cybulsky**

Senior Scientist, Division of Cellular & Molecular Biology, Toronto General Research Institute (UHN)  
Professor, Department of Laboratory Medicine and Pathobiology, University of Toronto

**Committee Members**

**Dr. Michelle Bendeck**

Professor, Department of Laboratory Medicine and Pathobiology, University of Toronto

**Dr. John Ciriello**

Professor, Department of Physiology and Pharmacology, University of Western Ontario

**Dr. James Danckert**

Associate Professor, Psychology, University of Waterloo  
Chair, Behavioural Neuroscience, University of Waterloo

**Dr. Qingping Feng**

Associate Professor, Department of Physiology and Pharmacology, University of Western Ontario  
Scientist, Centre for Critical Illness Research, Lawson Health Research Institute

**Dr. Peter L. Gross**

Associate Professor, Department of Medicine, McMaster University

**Dr. Richard Hughson**

Professor, Department of Kinesiology, University of Waterloo

**Dr. Lori-Ann Linkins**

Assistant Professor, Department of Medicine, McMaster University

**Dr. Alan S. Mak**

Professor, Biochemistry, Queen's University

**Grant Allocation Sub-Committee  
Heart and Stroke Foundation of Ontario  
2008/2009**

**Committee Members (Cont'd)**

**Dr. Susanna Mak**

Clinician Scientist, Cardiology, Mount Sinai Hospital  
Assistant Professor, Department of Medicine, University of Toronto

**Dr. Stephen Pang**

Professor, Anatomy and Cell Biology, Queen's University

**Dr. Marc. A. Rodger**

Senior Scientist, Deputy Director, Clinical Epidemiology, Ottawa Hospital Research Institute  
Associate Professor, Faculty of Medicine, University of Ottawa

**Dr. Michael Sharma**

Assistant Professor, Department of Medicine, the Ottawa Hospital  
Deputy Director, Canadian Stroke Network  
Medical Director, Regional Stroke Centre at the Ottawa Hospital and the University of Ottawa

**Dr. Alexander Sorisky**

Senior Scientist, Chronic Disease, Ottawa Health Research Institute  
Active Attending Medical Staff, Division of Endocrinology and Metabolism, Ottawa Hospital  
Professor, Departments of Medicine and of Biochemistry, Microbiology and Immunology, University of Ottawa

**Dr. Christopher Ward**

Associate Professor, Physiology, Queen's University

**Research Committee  
Heart and Stroke Foundation of Ontario  
2009/2010**

**Chair**

**Dr. J. Geoffrey Pickering**

Scientist, Vascular Biology Group, John P. Robarts Research Institute  
Professor, Department of Biochemistry, University of Western Ontario

**Committee Members**

**Dr. Mark Crowther**

Professor and Division Director, Department of Medicine, Hematology and Thromboembolism,  
McMaster University  
Professor, Pathology and Molecular Medicine  
Chief of Laboratory Medicine, St Joseph's Healthcare and Hamilton Health Sciences

**Mr. Paul Hines, CA**

Member of the Finance and Investment Committee

**Dr. Douglas S. Lee**

Scientist, Health Outcomes/Health Services Research, Institute for Clinical Evaluative Sciences  
Scientist, Division of Cellular & Molecular Biology, Toronto General Research Institute (TGRI)

**Mr. Richard P. Sachs**

**Dr. David Lillicrap**

Professor, Department of Pathology and Molecular Medicine, Queen's University  
Canada Research Chair in Molecular Hemostasis, Queen's University

**Mr. David Garland, CA**

Chief Financial Officer, Empirical Corporation

**Dr. Margaret Rand**

Scientist, Division of Hematology/Oncology, Hospital for Sick Children  
Associate Professor, Biochemistry, University of Toronto

**Dr. David Park**

Professor, Department of Cellular and Molecular Medicine, University of Ottawa  
Affiliate Investigator, Neuroscience, Ottawa Hospital Research Institute

**Dr. Greg Ross**

Associate Dean, Research, Northern Ontario School of Medicine