

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Alta.	Agellon, Luis B.			University of Alberta	Biochemistry	Bile acid metabolism and hypercholesterolemia	\$ 56,000.00
1999	Alta.	Anderson, Todd J.			University of Calgary	Medicine	Endothelial dysfunction and coronary intervention	\$ 46,000.00
1999	Alta.	Archer, Stephen L.			University of Alberta	Medicine	Molecular identification of oxygen sensitive potassium (K+) channels in the ductus arteriosus	\$ 51,000.00
1999	Alta.	Belenkie, Israel			University of Calgary	Medicine	Studies of direct ventricular interaction: acute pulmonary hypertension, PEEP, and RV infarction	\$ 51,000.00
1999	Alta.	Berthiaume, Luc			University of Alberta	Cell Biology	The role of protein fatty acylation in metabolic regulation	\$ 46,000.00
1999	Alta.	Braun, Andrew			University of Calgary	Pharmacology & Therapeutics	Regulation of large conductance, Ca-activated K+ channels by tyrosine phosphorylation	\$ 51,000.00
1999	Alta.	Brindley, David N.			University of Alberta	Medicine	Mechanisms and consequences of cardiac insulin resistance	\$ 51,000.00
1999	Alta.	Buchan, Alastair			University of Calgary	Clinical Neurosciences	Neuroprotective efficacy of BDNF and GDNF in vivo: a molecular characterization	\$ 51,000.00
1999	Alta.	Casey, Joseph			University of Alberta	Physiology	Regulation of cardiac chloride/bicarbonate exchange proteins	\$ 56,000.00
1999	Alta.	Chen, S. R. Wayne			University of Calgary	Biochemistry & Molecular Biology	The mouse cardiac ryanodine receptor: cloning, expression & functional studies	\$ 56,000.00
1999	Alta.	Clanachan, Alexander S.			University of Alberta	Pharmacology	Cardioprotective mechanisms of estrogen receptor activation	\$ 51,000.00
1999	Alta.	Clark, Robert B.			University of Calgary	Physiology & Biophysics	Molecular identity and modulation of K+ channels in mouse heart	\$ 51,000.00
1999	Alta.	Cole, William C.			University of Calgary	Pharmacology & Therapeutics	Inward rectifier K+ current in vascular smooth muscle	\$ 46,000.00
1999	Alta.	Cook, David A.			University of Alberta	Pharmacology	New approaches to reversal of cerebral vasospasm	\$ 46,000.00
1999	Alta.	Davidge, Sandra T.			University of Alberta	Obstetrics & Gyneacology and Physiology	Endothelial cell dysfunction in preeclampsia	\$ 51,000.00
1999	Alta.	Davison, Joseph S.	Mathison, Ronald		University of Calgary	Medical Physiology	Salivary gland hormones and myocyte function during endotoxemia	\$ 50,000.00
1999	Alta.	Duff, Henry J.			University of Calgary	Medicine	Structure/function of HERG	\$ 56,000.00
1999	Alta.	Feasby, James E.			University of Calgary	Clinical Neurosciences	Effectiveness of carotid endarterectomy	\$ 46,000.00
1999	Alta.	Fliegel, Larry			University of Alberta	Biochemistry	Regulation of the Na/H exchanger in the mammalian myocardium	\$ 51,000.00
1999	Alta.	Francis, Gordon A.			University of Alberta	Medicine	High density lipoprotein oxidation	\$ 46,000.00
1999	Alta.	French, Robert J.			University of Calgary	Physiology & Biophysics	Conotoxins as models for channel isoform-specific drugs	\$ 51,000.00
1999	Alta.	Ghali, William			University of Calgary	Medicine	Sociodemographic factors and access to cardiac procedures	\$ 49,000.00
1999	Alta.	Giles, Wayne R.			University of Calgary	Medical Physiology	Electrophysiology/pharmacology of rabbit cardiac pacemaker cells	\$ 56,000.00
1999	Alta.	Gillis, Anne M.			University of Calgary	Medicine	Atrial fibrillation: modulators and temporal patterns	\$ 51,000.00

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1999	Alta.	Hollenberg, Morley D.			University of Calgary	Pharmacology & Therapeutics and Medicine	Tyrosine kinase/tyrosine phosphatase, EDCF and vascular function	\$ 51,000.00
1999	Alta.	Jacobs-Kaufman, Susan			University of Alberta	Physiology	Control of ANF release	\$ 56,000.00
1999	Alta.	Jhamandas, Jack H.			University of Alberta	Medicine	The role of neuropeptide FF in central cardiovascular regulation	\$ 56,000.00
1999	Alta.	Jugdutt, Bodh I.			University of Alberta	Medicine	Angiotensin II receptor blockade in ischemia reperfusion and ventricular remodelling	\$ 56,000.00
1999	Alta.	Kargacin, Gary J.			University of Calgary	Medical Physiology	Structure of cardiac and smooth muscle	\$ 46,000.00
1999	Alta.	Kargacin, Margaret E.			University of Calgary	Medical Physiology	Regulation of SR calcium transport in the heart	\$ 46,000.00
1999	Alta.	Karpinski, Edward	Chik, Constance L.		University of Alberta	Physiology	Calcium channel regulation and hypertension	\$ 51,000.00
1999	Alta.	Kavanagh, Katherine M.			University of Alberta	Medicine	Electrophysiological remodelling of the atria	\$ 51,000.00
1999	Alta.	Krukoff, Teresa L.			University of Alberta	Cell Biology	Endothelin and regulation of autonomic function	\$ 51,000.00
1999	Alta.	Kubes, Paul			University of Calgary	Physiology & Biophysics	Molecular mechanisms underlying leukocyte recruitment in brain microvasculature	\$ 56,000.00
1999	Alta.	Lopaschuk, Gary D.			University of Alberta	Pediatrics	Energy metabolism in the newborn heart	\$ 51,000.00
1999	Alta.	Loutzenhiser, Rodger D.			University of Calgary	Pharmacology & Therapeutics	Renal microvascular actions of PGE2	\$ 56,000.00
1999	Alta.	Lytton, Jonathon			University of Calgary	Biochemistry & Molecular Biology	Molecular regulation of SERCA calcium pumps	\$ 51,000.00
1999	Alta.	Macintosh, Brian R.			University of Calgary	Kinesiology	Cardiac myosin light chain phosphorylation	\$ 46,000.00
1999	Alta.	Michalak, Marek			University of Alberta	Biochemistry	Calcium binding protein in cardiovascular system	\$ 51,000.00
1999	Alta.	Parsons, Howard			University of Calgary	Pediatrics	Identification and treatment of hyperhomocysteinemia	\$ 46,000.00
1999	Alta.	Pittman, Quentin J.			University of Calgary	Physiology & Biophysics	Pressor action of vasopressin	\$ 48,320.00
1999	Alta.	Ryan, Robert O.			University of Alberta	Biochemistry	Study of the receptor-active conformation of apolipoprotein E	\$ 56,000.00
1999	Alta.	Schulz, Richard			University of Alberta	Pediatrics and Pharmacology	Matrix metalloproteinases and cytokine-mediated cardiac injury	\$ 51,000.00
1999	Alta.	Severson, David L.			University of Calgary	Pharmacology & Therapeutics	Signal transduction in vascular smooth muscle	\$ 56,000.00
1999	Alta.	Shimoni, Yakhin			University of Calgary	Physiology & Biophysics	Modulation of cardiac K <sup>+</sup> currents by protein kinase C	\$ 51,000.00
1999	Alta.	Smillie, Lawrence C.			University of Alberta	Biochemistry	Correlation of structure and function in cardiac and skeletal muscle troponins	\$ 56,000.00
1999	Alta.	Smith, Peter A.			University of Alberta	Pharmacology	Long-term regulation of sympathetic nerve activity	\$ 47,800.00
1999	Alta.	Sutherland, Garnette R.			University of Calgary	Clinical Neurosciences	Metabolism and the ischemic brain: New perspectives	\$ 51,000.00
1999	Alta.	Sykes, Brian D.			University of Alberta	Biochemistry	Structure of cardiac muscle proteins	\$ 56,000.00
1999	Alta.	Ter Keurs, Henk			University of Calgary	Medicine	Congestive heart failure and excitation contraction coupling	\$ 51,000.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Alta.	Triggle, Christopher R.			University of Calgary	Pharmacology & Therapeutics	Interaction between adrenergic and peptide-mediated regulation of vascular tone	\$ 56,000.00
1999	Alta.	Tse, Amy M.			University of Alberta	Pharmacology	Control and regulation of catecholamine secretion from neurons	\$ 46,000.00
1999	Alta.	Tyberg, John			University of Calgary	Medicine	Wave-intensity analysis of cardiovascular dynamics	\$ 56,000.00
1999	Alta.	Vance, Dennis			University of Alberta	Biochemistry	Phosphatidylcholine and lipoprotein metabolism	\$ 56,000.00
1999	Alta.	Vance, Jean E.			University of Alberta	Medicine	Assembly of lipoproteins and fat droplets in liver	\$ 51,000.00
1999	Alta.	Vogel, Hans J.			University of Calgary	Biological Sciences	NMR studies of calponin, caldesmon and tubulin regulatory sites	\$ 56,000.00
1999	Alta.	Waisman, David M.			University of Calgary	Medical Biochemistry	Regulation of fibrinolysis by annexin II tetramer	\$ 51,000.00
1999	Alta.	Wallace, John			University of Calgary	Pharmacology & Therapeutics	Nitric oxide-releasing aspirin: potential as an anti-thrombotic and anti-hypertensive agent	\$ 46,000.00
1999	Alta.	Walsh, Michael			University of Calgary	Medical Biochemistry	PKC isoenzymes in the regulation of smooth muscle contraction	\$ 56,000.00
1999	Alta.	Weiss, Samuel			University of Calgary	Cell Biology & Anatomy	Erythropoietin: possible role in hypoxia-induced brain damage	\$ 56,000.00
1999	Alta.	Wong, Norman C. W.			University of Calgary	Medicine	Regulation of apolipoprotein A1 gene expression	\$ 51,000.00
1999	Alta.	Wong, Sui-Lam			University of Calgary	Biological Sciences	Design, production and characterization of improved thrombolytic agents with modular domains	\$ 46,000.00
1999	Alta.	Zamponi, Gerald W.			University of Calgary	Pharmacology & Therapeutics	Molecular determinants of L-type calcium channel function	\$ 51,000.00
1999	B.C.	Accili, Eric A.			Simon Fraser University	Kinesiology	Autonomic regulation of pacemaker potentiation	\$ 53,875.00
1999	B.C.	Allard, Michael F.			University of British Columbia	Pathology	Regulation of carbohydrate oxidation in cardiac hypertrophy	\$ 30,645.00
1999	B.C.	Allard, Michael F.			University of British Columbia	Pathology	Glycogen turnover and glycolytic capacity in the hypertrophied heart	\$ 11,638.00
1999	B.C.	Beatch, Gregory N.			University of British Columbia	Pharmacology & Therapeutics	Kinetics of rate dependent changes in action potential duration	\$ 46,520.00
1999	B.C.	Blaber, Andrew P.			Simon Fraser University	Kinesiology	Cerebral blood flow autoregulation dynamics and complexity in elderly normotensive and hypertensive subjects	\$ 59,490.00
1999	B.C.	Burke, Robert D.			University of Victoria	Biology	Integrins in heart development	\$ 59,007.00
1999	B.C.	Burnick, Leslie			University of British Columbia	Chemistry	Structures of activated plasma gelsolin and vitamin D-binding protein	\$ 70,348.00
1999	B.C.	Chantler, Janet K.			University of British Columbia	Pathology	Mapping of nucleotide changes associated with lack of cardiocirulence in mutants of coxsackievirus B3	\$ 65,550.00
1999	B.C.	Church, John			University of British Columbia	Anatomy	Anoxia and the control of intracellular pH regulating mechanisms in rat hippocampal neurons	\$ 57,570.00
1999	B.C.	Church, John			University of British Columbia	Anatomy	Anoxia-evoked changes in pH, calcium & sodium and neuron death	\$ 71,250.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	B.C.	Cornell, Rosemary			Simon Fraser University	Biochemistry & Molecular Biology	Regulation of cytidyltransferase by oxidized lipids	\$ 79,900.00
1999	B.C.	Cushley, Robert J.			Simon Fraser University	Biology	Activation of LCAT. An NMR study	\$ 62,650.00
1999	B.C.	Duronio, Vincent			University of British Columbia	Medicine	Role of phosphatidylinositol 3-kinase and PKCdelta in platelets	\$ 68,000.00
1999	B.C.	Fedida, David			University of British Columbia	Physiology	Modulation of cardiac K+ channels	\$ 96,391.00
1999	B.C.	Fedida, David			University of British Columbia	Physiology	Intrinsic conductances and protection from excitotoxic cell death	\$ 28,337.00
1999	B.C.	Gosline, John M.			University of British Columbia	Zoology	Molecular mechanics of elastic tissue and its role in arterial pathology	\$ 59,057.00
1999	B.C.	Haunerland, Norbert H.			Simon Fraser University	Biology	Regulation of cardiac FABP expression	\$ 57,150.00
1999	B.C.	Hayden, Michael R.			University of British Columbia	Medical Genetics	The molecular basis of familial hypoalphalipoproteinemia	\$ 60,000.00
1999	B.C.	Hill, John S.			University of British Columbia	Pathology	Structure function relationships of hepatic lipase and lipoprotein lipase	\$ 54,940.00
1999	B.C.	Johnson, Pauline			University of British Columbia	Microbiology and Immunology	To determine how cells regulate the adhesion of CD44 to hyaluronan and to evaluate the role of this adhesion in leukocyte-endothelial cell interaction	\$ 67,590.00
1999	B.C.	Karsan, Aly			University of British Columbia	Pathology	Mechanisms of angiogenesis in ischemic vascular disease: the role of Notch4	\$ 73,042.00
1999	B.C.	Karsan, Aly			University of British Columbia	Pathology	The role of NFkB in endothelial cell survival	\$ 65,964.00
1999	B.C.	Laher, Ismail			University of British Columbia	Pharmacology & Therapeutics	Estrogen regulates endothelial function	\$ 42,926.00
1999	B.C.	Linden, Wolfgang			University of British Columbia	Psychology	Psychosocial recovery from bypass surgery	\$ 52,305.00
1999	B.C.	Macleod, Kathleen M.			University of British Columbia	Pharmacology and Toxicology	Changes in vascular reactivity in experimental diabetes	\$ 67,620.00
1999	B.C.	Mathers, David A.			University of British Columbia	Physiology	Mode of activation of BK channels in cerebrovascular smooth muscle by acutely applied bacterial endotoxins	\$ 48,165.00
1999	B.C.	McLarnon, James G.			University of British Columbia	Pharmacology & Therapeutics	Effects of ischemic factors on currents and Ca2+ in human microglia	\$ 71,775.00
1999	B.C.	McManus, Bruce M.			University of British Columbia	Pathology	Endothelial and smooth muscle cell injury in the pathogenesis of transplant vascular disease	\$ 63,025.00
1999	B.C.	McManus, Bruce M.			University of British Columbia	Pathology	Role of endothelial cell injury and cell apoptosis in the pathogenesis of transplant vascular disease	\$ 68,875.00
1999	B.C.	McManus, Bruce M.			University of British Columbia	Pathology	Coxsackievirus-induced myocarditis: immunovirological mechanisms	\$ 66,796.00
1999	B.C.	McNeill, John H.			University of British Columbia	Pharmacology & Toxicology	Insulin and hypertension: role of altered vascular biology	\$ 75,205.00

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1999	B.C.	Moore, Edwin D.			University of British Columbia	Physiology	Estrogen receptors in aortic valve endothelial cells	\$ 62,414.00
1999	B.C.	Munt, Bradley I.			University of British Columbia	Medicine	Estimation of left ventricular mass by a novel three-dimensional echocardiographic technique	\$ 78,655.00
1999	B.C.	Murphy, Timothy H.			University of British Columbia	Psychology	Induction of antioxidant gene expression in astrocytes	\$ 47,620.00
1999	B.C.	Pang, Catherine C.Y.			University of British Columbia	Pharmacology & Therapeutics	Pharmacology of vasoactive substances	\$ 75,438.00
1999	B.C.	Pelech, Steven			University of British Columbia	Medicine	Regulation of cardiomyocyte differentiation by protein kinases	\$ 58,450.00
1999	B.C.	Pelech, Steven			University of British Columbia	Medicine	MAP kinase pathways in normal and diseased heart	\$ 92,970.00
1999	B.C.	Rabkin, Simon W.			University of British Columbia	Medicine	Sphingolipid signal transduction in cardiomyocytes	\$ 66,198.00
1999	B.C.	Raymond, Lynn A.			University of British Columbia	Psychiatry - Neuroscience	Regulation of NMDA receptor function by calbindin	\$ 37,230.00
1999	B.C.	Rumball, Christopher J.			University of British Columbia	Surgery	Pre-hospital endotracheal intubation	\$ 26,774.00
1999	B.C.	Seow, Chun Y.			University of British Columbia	Pharmacology & Therapeutics	Adaptation of vascular smooth muscle to length perturbation	\$ 41,817.00
1999	B.C.	Spinelli, John			University of British Columbia	Health Care & Epidemiology	Long-term outcome after open heart surgery and angioplasty in British Columbia	\$ 26,745.00
1999	B.C.	Steinbrecher, Urs P.			University of British Columbia	Medicine	Regulation of cell growth by oxidized LDL	\$ 83,496.00
1999	B.C.	Sunderji, Rubina			University of British Columbia		A randomized trial of outpatient self-adjusted versus physician-managed oral anticoagulation	\$ 43,425.00
1999	B.C.	Tibbits, Glen			Simon Fraser University	Kinesiology	Ontogeny of cardiac contractility regulation	\$ 78,190.00
1999	B.C.	Van Breemen, Casey			University of British Columbia	Pharmacology & Therapeutics	Calcium gradients in vascular smooth muscle	\$ 55,197.00
1999	B.C.	Walley, Keith R.			University of British Columbia	Medicine	Mechanism of myocardial dysfunction during sepsis	\$ 100,887.00
1999	B.C.	Wong, Norman L.			University of British Columbia	Medicine	Effects of endothelin in congestive heart failure	\$ 67,884.00
1999	B.C.	Wright, Joanne L.			University of British Columbia	Pathology	Mechanisms of cigarette smoke induced pulmonary hypertension	\$ 79,833.00
1999	B.C.	Yang, Decheng			University of British Columbia	Pathology	Viral myocarditis: functional analysis of differentially expressed genes in coxsackievirus B3-infected mouse heart	\$ 64,000.00
1999	Man.	Anderson, Judy E.			University of Manitoba	Human Anatomy & Cell Science	Deflazacort and H-NMR of mdx cardiomyopathy	\$ 35,000.00
1999	Man.	Bose, Ratna			University of Manitoba	Pharmacology	Platelet abnormality in diabetes mellitus.	\$ 35,000.00
1999	Man.	Choy, Patrick C.			University of Manitoba	Biochemistry & Molecular Biology	Control of phospholipid catabolism in mammalian hearts.	\$ 51,633.00

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1999	Man.	Chrusch, Carla			University of Manitoba	Internal Medicine	Pathophysiology of lactic acidosis in experimental septic shock	\$ 35,000.00
1999	Man.	Del Bigio, Marc R.			University of Manitoba	Pathology	Intracerebral hemorrhage in rat.	\$ 35,625.00
1999	Man.	Dhalla, Naranjan S.			St. Boniface Research Centre	Cardiovascular Sciences	Studies on the biochemical basis of heart function: adrenergic mechanisms in failing hearts	\$ 61,750.00
1999	Man.	Dixon, Ian M.			St. Boniface G.H. Research Ctr	Cardiovascular Sciences	Modulation of cardiac extracellular matrix in cardiomyopathy.	\$ 36,100.00
1999	Man.	Gilchrist, James S.			University of Manitoba	Oral Biology	Calpain activation in hypoxic cardiomyocytes.	\$ 35,150.00
1999	Man.	Hatch, Grant M.			University of Manitoba	Pharmacology & Therapeutics	Cardiolipin biosynthesis in the heart and mammalian cells.	\$ 42,750.00
1999	Man.	Houston, Donald S.			University of Manitoba	Cell Biology	Homocysteine and monocyte tissue factor	\$ 35,000.00
1999	Man.	Hryshko, Larry V.			University of Manitoba		Na-Ca exchange regulation in EC coupling.	\$ 36,100.00
1999	Man.	Israels, Sarah J.			University of Manitoba	Cell Biology	The role of CD63 in the adhesion of human blood platelets	\$ 35,000.00
1999	Man.	Kardami, Elissavet			St. Boniface Research Centre	Cardiovascular Sciences	Gap junctions: role in myocyte proliferation	\$ 53,200.00
1999	Man.	Kepron, Wayne			Respiratory Hospital	Respiratory Investigation Unit	Ventricular mechanics in experimental anaphylactic shock.	\$ 35,000.00
1999	Man.	Kirshenbaum, Lorrie A.			University of Manitoba	Physiology	Mechanisms of P53 mediated apoptosis in ventricular myocytes.	\$ 36,100.00
1999	Man.	Lautt, W. Wayne			University of Manitoba	Pharmacology & Therapeutics	Regulation of hepatic circulation	\$ 61,750.00
1999	Man.	Light, R. Bruce	Jacobs, Hans K.		University of Manitoba	Biochemistry & Molecular Biology	Left ventricular performance in gram negative sepsis.	\$ 35,000.00
1999	Man.	Lukas, Anton			St. Boniface Research Centre	Cardiovascular Sciences	Cardioprotective effects of adenosine receptor stimulation against ischemic injury	\$ 43,700.00
1999	Man.	McClarty, Grant			University of Manitoba	Medical Microbiology	Chlamydia pneumonia and atherosclerosis.	\$ 35,000.00
1999	Man.	McNicol, Archibald			University of Manitoba	Oral Biology	The role of MAP kinase in platelet activation.	\$ 39,900.00
1999	Man.	Mink, Steven N.			University of Manitoba	Medicine	Interactions between H3 receptors and alpha2 adrenoreceptors on cardiac function in sepsis.	\$ 35,150.00
1999	Man.	Nagy, James I.			University of Manitoba	Physiology	Development of neuroprotective anti-inflammatory agents after CNS ischemia based on blockage of hyaluronan receptors	\$ 35,000.00
1999	Man.	Panagia, Vincenzo			St. Boniface Research Centre	Cardiovascular Sciences	Properties of phospholipase D in heart sarcolemma	\$ 43,605.00
1999	Man.	Peeling, James			University of Manitoba	Pharmacology & Therapeutics	Treatment of ischemic and hemorrhagic stroke with an antisense of obgodeoxynucleotide targetting TNF- alpha	\$ 38,950.00

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1999	Man.	Pierce, Grant N.			St. Boniface G.H. Research Ctr		Involvement of Na <sup>+</sup> -H <sup>+</sup> exchange in ischemic/ reperfusion injury to the heart.	\$ 56,240.00
1999	Man.	Roos, Leslie L.	Muhajarine, Nazeem	Reeder, Bruce	St. Boniface G.H. Research Ctr		Ambulatory care and hospital services use for cardiovascular disease: the impact of socioeconomic status.	\$ 17,500.00
1999	Man.	Saunders, John K.	Salerno, Thomas A.	Deslauriers, Roxanne	National Research Council	Institute of Biodiagnostics	Brain protection during circulatory arrest.	\$ 36,100.00
1999	Man.	Singal, Pawan K.			University of Manitoba	Physiology	Mechanisms of probucol protection in adriamycin- induced cardiomyopathy.	\$ 55,765.00
1999	Man.	Sitar, Daniel S.			University of Manitoba	Pharmacology & Therapeutics	Renal handling of cationic cardiovascular drugs.	\$ 35,000.00
1999	Man.	Stephens, Newman L.			University of Manitoba	Physiology	Anaphylactic shock: Studies of single venous smooth muscle cell.	\$ 47,025.00
1999	Man.	Tian, Ganghong	Lindsay, William	Kozlowski, Piotr	University of Manitoba	Surgery	Extending the safe cardiac preservation time for heart transplantaion: Magnetic resonance, electron microscopic and function studies in pig hearts.	\$ 35,000.00
1999	Man.	Zahradka, Peter			St. Boniface Research Centre	Cardiovascular Sciences	Phosphatidylinositol 3-kinase promotes vascular remodelling	\$ 35,000.00
1999	Man.	Zhong, Guangming			University of Manitoba	Microbiology	Mechanisms of C. pneumoniae exacerbation of atherosclerosis	\$ 35,000.00
1999	N.B.	Broderick, Thomas L.			Mount Allison University	Biology & Biochemistry	Substrate oxidation during reperfusion	\$ 33,000.00
1999	N.B.	Corbett, Dale			Memorial University	Medicine	Recovery of Function	\$ 32,000.00
1999	N.B.	Currie, R. William			Dalhousie University	Anatomy & Neurobiology	Heat shock proteins and myocardial protection	\$ 50,000.00
1999	N.B.	Darvesh, Sultan	Magee, David		Dalhousie University	Anatomy & Neurobiology	Butyrylcholinesterase and the neural regulation of the heart	\$ 32,000.00
1999	N.B.	Driedzic, William R.			Mount Allison University	Biology	Mitochondrial Protein Synthesis	\$ 40,000.00
1999	N.B.	Hirsch, Gregory M.	Lee, Timothy D.G.		Dalhousie University	Surgery	Vascular response to immune injury in allograft arteriosclerosis	\$ 40,000.00
1999	N.B.	Horackova, Magda			Dalhousie University	Physiology & Biophysics	Effects of cytoplasmic Ca modulation on EC coupling, cytoarchitecture	\$ 50,000.00
1999	N.B.	Mondor, Todd A.	Zatorre, Robert J.		Mount Allison University	Psychology	Impairments of Auditory Selective Attention Resulting from Stroke	\$ 40,000.00
1999	N.B.	Murphy, Mary G.			Dalhousie University	Physiology & Biophysics	n-3 (Fish oil) Ployunsaturated Fatty Acids: Mechamisms	\$ 40,000.00
1999	N.B.	Pelzer, Siegried	Pelzer, Dieter		Dalhousie University	Physiology & Biophysics	Intracellular Ionized Magnesium and Cardiac Calcium Current	\$ 45,000.00
1999	N.B.	Smeda, John S.			Memorial University	Medicine	Cerebrovascular Alterations Associated With Stroke	\$ 30,000.00
1999	N.B.	Smith, Frank M.			Dalhousie University	Anatomy & Neurobiology	Neurotransmission to intrinsic cardiac neurons	\$ 25,000.00
1999	N.B.	Stewart, John M.			Mount Allison University	Biochemistry	Interaction of cis- and trans-fatty acids with subcellular systems of the heart	\$ 30,000.00
1999	N.B.	Tabrizchi, Reza			Memorial University	Medicine	Drugs and Venous System	\$ 32,000.00

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1999	N.B.	Westcott, Stephen A.			Mount Allison University	Chemistry	Molybdenum Insulin Mimics	\$ 33,000.00
1999	N.S.	Anderson, David R.	Wells, Philip S.	Stiell, Ian	QEI Health Sciences Centre and Ottawa Civic Hospital		Emergency department evaluation of venous thromboembolism	\$ 40,000.00
1999	N.S.	Armour, J. Drew	Hopkins, David A.		Dalhousie University	Physiology & Biophysics	Ischemia-sensitive cardiac afferent neurons	\$ 47,000.00
1999	N.S.	Breckenridge, W. Carl			Dalhousie University	Biochemistry	Studies of the metabolism and function of lipoprotein(a)	\$ 45,000.00
1999	N.S.	Chen, Robert P.-C			Dalhousie University	Physiology & Biophysics	The effect of left-to-right cardiac shunts on neonatal cardiac afferent neurons	\$ 28,527.00
1999	N.S.	Cox, Jafna L.	Anderson, David R.	Putnam, Wayne	QEI Health Sciences Centre		Evaluation of antithrombotic management of atrial fibrillation	\$ 40,000.00
1999	N.S.	Dolphin, Peter J.			Dalhousie University	Biochemistry	Rat cholesteryl ester transfer protein (CETP): structure, function and regulation	\$ 45,000.00
1999	N.S.	Eskes, Gail			Dalhousie University	Psychology	Rehabilitation of neglect	\$ 29,926.00
1999	N.S.	Ferrier, Gregory R.	Howlett, Susan		Dalhousie University	Pharmacology	Initiation and modulation of contraction in cardiac myocytes	\$ 50,000.00
1999	N.S.	Horacek, B. Milan			Dalhousie University	Physiology & Biophysics	Electrocardiographic body-surface mapping of arrhythmogenic conditions	\$ 45,000.00
1999	N.S.	Howlett, Susan E.	Ferrier, Greg		Dalhousie University	Pharmacology	Cardiac excitation-contraction coupling in ischemic and reperfusion.	\$ 45,000.00
1999	N.S.	Makrides, Lydia	Phillips, Stephen	Wolf, Hermann	QEI Health Sciences Centre	Cardiac Prevention & Rehabilitation	Cardiovascular responses to treadmill exercise early after stroke	\$ 19,000.00
1999	N.S.	Pelzer, Dieter J.	Pelzer, Siegfried		Dalhousie University	Physiology & Biophysics	Feedback of intracellular Ca <sup>2+</sup> on Ca <sup>2+</sup> current and CAMP in heart	\$ 50,000.00
1999	N.S.	Pianosi, Paul T.			IWK-Grace Health Centre	Pulmonary Function	Non-invasive measurement of cardiac output in children	\$ 11,000.00
1999	N.S.	Ridgway, Neale D.			Atlantic Research Centre	Pediatrics and Biochemistry	Characterization of oxysterol bindings protein homologs	\$ 34,790.00
1999	N.S.	Robertson, Harold A.			Dalhousie University	Pharmacology	Stroke, gene expression and neuroprotection: targets for treatment	\$ 40,000.00
1999	N.S.	Wolf, Hermann K.	Gregor, Ronald D.	Eastwood, Brian	Dalhousie University	Physiology & Biophysics	Determination of reasons for ischemic heart disease trend	\$ 2,000.00
1999	N.S.	Yeung, Pollen K.F.			Dalhousie University	Pharmacology	Pharmacokinetics and pharmacologic modulation of adenosine	\$ 35,000.00
1999	Ont.	Adams, Michael A.			Queen's University	Pharmacology & Toxicology	Induction of cardiovascular growth processes by vasoconstrictor systems.	\$ 76,183.00
1999	Ont.	Adeli, Khosrow			Hospital for Sick Children	Pediatric Laboratory Medicine	Mechanisms of ApoB overproduction in insulin resistance.	\$ 66,356.00
1999	Ont.	Adeli, Khosrow			Hospital for Sick Children	Pediatric Laboratory Medicine	Mechanisms and regulation off apolipoprotein B degradation	\$ 66,211.00
1999	Ont.	Anand, Sonia	Ginsberg, Jeffrey S.	Yusuf, Salim	McMaster University	Medicine	Warfarin and antiplatelet therapy in patients with PVD	\$ 200,000.00



Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Ananthanarayanan, Vettai S.			McMaster University	Biochemistry	Structural aspects of collagen biosynthesis.	\$ 51,947.00
1999	Ont.	Andrew, Maureen	McCrinkle, Brian W.		McMaster University		RCT of anticoagulation in post Fontan children.	\$ 81,166.00
1999	Ont.	Andrew, Maureen			McMaster University		Fibrinolytic system in children: healthy and disease states.	\$ 63,880.00
1999	Ont.	Andrew, R. David			Queen's University	Anatomy & Cell Biology	Imaging and preventing spreading depression, a critical determinant of stroke damage.	\$ 46,800.00
1999	Ont.	Arnold, J. Malcolm O.	Stiell, Ian	Wells, Philip S.	University of Western Ontario	Medicine	Vascular responses in heart failure	\$ 85,719.00
1999	Ont.	Arthur, Heather M.	Kodis, Jennifer	McKelvie, Robert S.	McMaster University	Nursing	Supervised versus unsupervised exercise training - one year follow-up.	\$ 45,840.00
1999	Ont.	Austin, Richard C.			McMaster University	Pathology	Mechanisms responsible for homocysteine-induced atherothrombosis.	\$ 72,876.00
1999	Ont.	Backx, Peter H.			Toronto Hospital	Medicine	Metabolic-excitation coupling in heart.	\$ 62,991.00
1999	Ont.	Backx, Peter H.			Toronto Hospital	Medicine	The role of calcium and potassium channels in heart failure	\$ 84,288.00
1999	Ont.	Bajzar, Laszlo			McMaster University	Medicine	Activation of TAFI and regulation of TAFIa.	\$ 59,796.00
1999	Ont.	Baker, R. Roy			University of Toronto	Neurosciences	The metabolism of platelet activating factor in brain	\$ 63,205.00
1999	Ont.	Bendeck, Michelle P.			St. Michael's Hospital	Cardiology	Doxycycline treatment for restenosis.	\$ 69,000.00
1999	Ont.	Bendeck, Michelle P.			St. Michael's Hospital	Cardiology	Extracellular matrix regulates SMC proteolytic remodelling.	\$ 63,742.00
1999	Ont.	Bennett, Brian M.			Queen's University	Pharmacology & Toxicology	Role of the cytochrome P450 system in organic nitrate action	\$ 51,302.00
1999	Ont.	Blajchman, Morris A.	Clarke, Bryan J.	Hatton, Mark W.	McMaster University	Pathology	Relationship between hemostasis and tumor growth.	\$ 59,196.00
1999	Ont.	Bonen, Arend			University of Waterloo	Kinesiology	Regulation and transport capacities of MCT1 and MCT4.	\$ 64,350.00
1999	Ont.	Boughner, Derek	Wan, Wan K.		University of Western Ontario		Heart valve prostheses - vascularity, fixation techniques and material design.	\$ 83,874.00
1999	Ont.	Brown, K. Stephen	Cameron, Roy	Cook, Richard	University of Waterloo	Statistics and Actuary	Supporting high school smoking reduction - continuation	\$ 155,314.00
1999	Ont.	Burnham, W. McIntyre			University of Toronto	Pharmacology	Neuroprotection and gene expression in an animal model of perinatal hypoxia/ischemia.	\$ 59,863.00
1999	Ont.	Canham, Peter B.	Ferguson, Gary G.		University of Western Ontario	Medical Biophysics	Brain aneurysms: a three-dimensional and molecular study of wall collagen and wall mechanics.	\$ 60,460.00
1999	Ont.	Capone, John P.	Rachubinski, Richard A.		McMaster University	Biochemistry	Function of mechanisms of action of peroxisome proliferator-activated; receptors	\$ 110,574.00
1999	Ont.	Cechetto, David F.	Hachinski, Vladimir C.		University of Western Ontario	Anatomy and Cell Biology	Central autonomic control in the human.	\$ 55,500.00
1999	Ont.	Cechetto, David F.			University of Western Ontario	Anatomy and Cell Biology	Cortical autonomic mechanisms.	\$ 50,503.00
1999	Ont.	Chakrabarti, Subrata	Karmazyn, Morris		University of Western Ontario	Pathology	PKC mediated vasoactive factors in diabetic heart disease.	\$ 60,965.00
1999	Ont.	Chan, Anthony K.C.			McMaster University	Research Centre	Development of a novel covalent antithrombin-heparin complex	\$ 52,771.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Cheung, Donald W.			University of Ottawa	Medicine	Calcium-sensitive potassium channels in vascular smooth muscle.	\$ 51,225.00
1999	Ont.	Cheung, Donald W.			University of Ottawa	Medicine	Endothelium-dependent hyperpolarization and relaxation in blood vessels.	\$ 52,140.00
1999	Ont.	Chidiac, Peter			University of Western Ontario	Pharmacology & Toxicology	Mechanism of receptor-effector coupling specificity.	\$ 53,643.00
1999	Ont.	Chow, Lawrence H.			University of Western Ontario	London Health Sciences Centre	The immunopathogenesis of graft vascular disease.	\$ 68,613.00
1999	Ont.	Ciriello, John			University of Western Ontario	Physiology	Role of sex steroids in the central regulation of arterial pressure.	\$ 61,474.00
1999	Ont.	Ciriello, John			University of Western Ontario	Physiology	Hypertension: peripheral and central mechanisms in the pathogenesis	\$ 124,546.00
1999	Ont.	Cole, David E.C.	Daly, Paul A.	Ross, Heather J.	Toronto Hospital	Clinical Biochemistry	Homocysteine and cardiac transplantation.	\$ 65,239.00
1999	Ont.	Connelly, Philip W.			University of Toronto	Alick Little Lipid Research	The role of apolipoproteins in oxidation and atherosclerosis	\$ 107,640.00
1999	Ont.	Cote, Graham P.			Queen's University	Biochemistry	Role of the Cdc42 and Rac-activated PAK kinase in cardiac hypertrophy and contractility.	\$ 67,251.00
1999	Ont.	Courtman, David W.	Stewart, Duncan J.		St. Michael's Hospital	Cardiovascular Surgery	Inward eutrophic arterial remodeling.	\$ 66,305.00
1999	Ont.	Cox, Peter	Matlow, Anne		Hospital for Sick Children	Critical Care Medicine	Epidemiology of nosocomial infection in paediatric cardiovascular surgery patients.	\$ 23,858.00
1999	Ont.	Cybulsky, Myron			Toronto Hospital	Pathology	Mechanisms of atherosclerotic lesion formation	\$ 105,949.00
1999	Ont.	de Bold, Adolfo J.			University of Ottawa	Cardiac Cell & Molecular Biology	Atrial natriuretic factor.	\$ 63,087.00
1999	Ont.	de Bold, Adolfo J.			University of Ottawa	Cardiac Cell & Molecular Biology	Atrial natriuretic factor and the cardiorenal axis.	\$ 61,522.00
1999	Ont.	Dekaban, Gregory A.	Weaver, Lynne C.		John P. Robarts Institute	Gene Therapy & Molecular Virology	Glutamate receptor gene transfer into spinal sympathetic neurons to control arterial pressure	\$ 68,577.00
1999	Ont.	Dorian, Paul	Newman, David M.	Stundzia, Audrius	St. Michael's Hospital	Cardiology	Ventricular fibrillation and defibrillation.	\$ 66,569.00
1999	Ont.	Durkin, John P.	Wang, Yizheng		University of Ottawa	Cellular Neurobiology Group	Ion-channel independent AMPA receptor activity in neurons	\$ 54,239.00
1999	Ont.	Elce, John S.			Queen's University	Biochemistry	Calpain in the ischemic brain and heart: calpain knockout mice.	\$ 60,555.00
1999	Ont.	Ellis, Christopher G.			University of Western Ontario	Medical Biophysics	Regulation of microvascular oxygen exchange	\$ 64,192.00
1999	Ont.	Eubanks, James H.			Toronto Hospital	Surgery	The role of a novel methyl-DNA binding protein in ischemia injury	\$ 71,344.00
1999	Ont.	Eubanks, James H.	Zhang, Liang		Toronto Hospital	Surgery	The relevance of muscarinic receptors in global ischemia-induced delayed neuronal death.	\$ 50,760.00
1999	Ont.	Feindel, Christopher M.			Toronto Hospital	Cardiac Surgery	Prolonged storage of cardiac allografts with shed donor blood	\$ 67,362.00
1999	Ont.	Feldman, Ross	Carruthers, S. George		University of Western Ontario	Medicine	Tyrosine kinase-mediated sensitization of adenylyl cyclase activation	\$ 58,849.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Feldman, Ross			John P. Robarts Institute	Medicine	Tyrosine-kinase regulation of vasodilator function.	\$ 71,759.00
1999	Ont.	Feng, QingPing			University of Western Ontario	Medicine	Role of NF-kappaB in NO release, apoptosis & myocardial function.	\$ 63,729.00
1999	Ont.	Ferguson, Alastair			Queen's University	Physiology	Peptide actions in area postrema - cellular and ionic mechanisms.	\$ 82,183.00
1999	Ont.	Ferguson, Alastair	Fedida, David		Queen's University	Physiology	Intrinsic conductances and protection from excitotoxic cell death.	\$ 28,912.00
1999	Ont.	Ferguson, Stephen G.			John P. Robarts Institute		Molecular mechanisms of G protein-coupled receptor endocytosis and resensitization	\$ 97,213.00
1999	Ont.	Finestone, Hillel M.	Finestone, Linda		London Health Science Centre	Medicine & Rehabilitation	Acute phase reactants and loss of muscle mass following stroke.	\$ 34,011.00
1999	Ont.	Flavin, Michael			Queen's University	Medicine	The role of microglial tPA in neuronal death post-ischemia.	\$ 50,695.00
1999	Ont.	Fliss, Henry			University of Ottawa	Cellular and Molecular Medicine	Zinc regulation of apoptosis	\$ 69,623.00
1999	Ont.	Floras, John S.			Toronto Hospital	Medicine	Cardiovascular regulation in men and women with hypertension and heart failure.	\$ 104,014.00
1999	Ont.	Fong, Guo-Hua			University of Western Ontario	Lawson Research Institute	Role of Flt-1 in regulating cardiovascular development.	\$ 71,991.00
1999	Ont.	Freeman, Michael R.	Goodman, Shaun G.	Langer, Anatoly	St. Michael's Hospital		Effect of fenofibrate and vitamin E on myocardial perfusion in type II diabetes.	\$ 38,611.00
1999	Ont.	Giacca, Adria			University of Toronto	Physiology	Metabolic determinants of vascular damage	\$ 55,333.00
1999	Ont.	Ginsberg, Jeffrey S.	Gent, Michael	Hirsh, Jack	McMaster University		D-dimer and IPG for recurrent DVT: A randomized trial.	\$ 48,956.00
1999	Ont.	Gotlieb, Avrum I.			Toronto Hospital	Medicine	Studies on valvular interstitial cells and valvular repair.	\$ 67,026.00
1999	Ont.	Gotlieb, Avrum I.			Toronto Hospital	Medicine	Neointimal formation in atherogenesis.	\$ 85,593.00
1999	Ont.	Graham, Charles H.			Queen's University	Anatomy and Cell Biology	Control of placental invasion in preeclamptic hypertension	\$ 67,138.00
1999	Ont.	Grover, Ashok K.			McMaster University	Medicine	Modulatory sites on Pm Ca pumps.	\$ 49,010.00
1999	Ont.	Grover, Ashok K.			McMaster University	Medicine	Coronary artery, SR Ca-pumps and free radicals.	\$ 73,650.00
1999	Ont.	Guha, Abhijit	Nagy, Andras	Wallace, M. Christopher	Hospital for Sick Children	Surgery	Neoangiogenesis in cerebral ischemia.	\$ 77,234.00
1999	Ont.	Guillemette, Joseph	Berghuis, Albert	Honek, John	University of Waterloo	Chemistry	Function, structure and inhibition of nitric oxide synthase.	\$ 60,557.00
1999	Ont.	Gupta, Radhey S.			McMaster University	Biochemistry	Genetic, biochemical and molecular studies on mammalian adenosine kinases.	\$ 58,533.00
1999	Ont.	Gurd, James W.	Wallace, M. Christopher		University of Toronto	Life Sciences	Tyrosine phosphorylation and molecular organization of the NMDA receptor following transient global ischemia: implications for neuronal survival	\$ 76,728.00
1999	Ont.	Hakim, Antoine M.			University of Ottawa	Neuroscience Research Institute	The ischemic penumbra dies by apoptosis.	\$ 58,680.00
1999	Ont.	Hakim, Antoine M.			University of Ottawa	Neuroscience Research Institute	The molecular basis of cerebral plasticity.	\$ 51,586.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Hakim, Antoine M.			University of Ottawa	Neuroscience Research Institute	Support of the infrastructure of the stroke program grant	\$ 78,000.00
1999	Ont.	Hampson, David R.			University of Toronto	Pharmacy	Metabotropic glutamate receptors and cerebral ischemia.	\$ 61,050.00
1999	Ont.	Haslam, Richard J.			McMaster University	Pathology	Mechanisms of cyclic nucleotide action in platelets and vascular smoothmuscle	\$ 113,492.00
1999	Ont.	Hatton, Mark W.			McMaster University	Pathology	Control of thrombin activity and fibrin deposition at the injured artery wall.	\$ 69,307.00
1999	Ont.	Hayward, Catherine P.			McMaster University	Pathology & Molecular Medicine	The role of multimerin in hemostasis	\$ 70,860.00
1999	Ont.	Hebert, Paul C.	Hogan, Matthew	Wherett, Christopher	University of Ottawa	Medicine	Induced moderate hypothermia in the treatment of acute ischemic stroke.	\$ 23,644.00
1999	Ont.	Hegele, Robert A.			John P. Robarts Institute		Genetic determinants of blood pressure.	\$ 59,862.00
1999	Ont.	Hegele, Robert A.	Anand, Sonia	Yusuf, Salim	John P. Robarts Institute		Genetic determinants of CHD risk in ethnic groups.	\$ 62,775.00
1999	Ont.	Hogan, Matthew	Hakim, Antoine M.	Morley, Paul	University of Ottawa	Medicine	Effect of modulation of calcium homeostatis on ischemic neuroprotection	\$ 47,096.00
1999	Ont.	Holdsworth, David W.	Rankin, Richard N.		John P. Robarts Institute	Diagnostic Radiology	Investigation of flow in the stenosed carotid bifurcation.	\$ 50,590.00
1999	Ont.	Holub, Bruce J.			University of Guelph	Human Biology & Nutritional Sciences	Effect of dietary n-3 fatty acids on phospholipid-mediated responses in human platelets	\$ 92,609.00
1999	Ont.	Hood, David A.			York University	Biology	Protein import in cardiac mitochondria.	\$ 56,004.00
1999	Ont.	Hu, Bin	Stys, Peter K.		University of Ottawa	Neurosciences	Sodium/potassium and acute ischemic neuronal injury	\$ 59,739.00
1999	Ont.	Huff, Murray W.			University of Western Ontario	Medicine	Regulation of apolipoprotein B metabolism	\$ 113,146.00
1999	Ont.	Husain, Mansoor			Toronto Hospital	Cardiovascular Research	c-Myb-dependent smooth muscle proliferation.	\$ 4,847.00
1999	Ont.	Jenkins, David J.A.	Fong, Ignatius	Kim, Young-In John	University of Toronto	Nutritional Sciences	Effect of antibiotics on colonic microflora activity and serum lipids.	\$ 42,000.00
1999	Ont.	Johnston, Miles G.	Boulanger, Bernard R.	Flessner, Michael	Sunnybrook Health Science Centre	Trauma Research	Pathophysiological determinants of fluid dynamics in the pericardial cavity.	\$ 75,492.00
1999	Ont.	Jorgensen, Annelise O.			University of Toronto	Anatomy & Cell Biology	Subcellular distribution of CA <sup>2+</sup> storage/release/entry sites in cardiac sarcoplasmic reticulum & sarcolemma in situ	\$ 143,701.00
1999	Ont.	Kain, Kevin C.	Crandall, Ian E.		University of Toronto	Medicine	OxLDL/CD36 Interactions.	\$ 51,525.00
1999	Ont.	Kamath, Markad V.	Fallen, Ernest L.	Tougas, Gervais		Medicine	A study of viscerosensory perception in patients with non-cardiac chest pain.	\$ 40,654.00
1999	Ont.	Karmazyn, Morris			University of Western Ontario	Pharmacology & Toxicology	Interaction between endothelial-derived factors in the regulation of cardiac function	\$ 71,129.00
1999	Ont.	Kawaja, Michael			Queen's University	Anatomy and Cell Biology	Sympathetic features of spontaneously hypertensive rats.	\$ 63,725.00
1999	Ont.	Kearon, Clive	Gent, Michael	Ginsberg, Jeffrey S.	McMaster University		Fixed dose unfractionated heparin for initial treatment of venous thromboembolism.	\$ 127,242.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Keeley, Fred W.			Hospital for Sick Children	Cardiovascular Research	Recombinantly expressed polypeptides of human elastin as a novel tool for investigations of the structure and assembly of elastin.	\$ 64,977.00
1999	Ont.	Kelton, John G.			McMaster University	Pathology	Platelet-mediated acute thrombotic disorders	\$ 155,266.00
1999	Ont.	Kelvin, David J.	Pickering, J. Geoffrey		John P. Robarts Institute		Chemokines and transplantation rejection.	\$ 78,783.00
1999	Ont.	Kim, Peter C.W.			Hospital for Sick Children	Research Institute	Mechanisms of xenograft rejection and accommodation in new concordant cardiac xenotransplant model.	\$ 81,253.00
1999	Ont.	Klein, George J.	Skanes, Allan C.		University of Western Ontario	Cardiac Investigation Unit	Ablation in atrial fibrillation.	\$ 69,617.00
1999	Ont.	Klement, Petr	Weitz, Jeffrey I.		McMaster University		Improving the effectiveness of thrombolytic therapy.	\$ 88,121.00
1999	Ont.	Kline, Robert L.			University of Western Ontario	Physiology	Pressure natriuresis: influence of ACE inhibitors and nitric oxide	\$ 68,094.00
1999	Ont.	Koschinsky, Marlys L.			Queen's University	Biochemistry	The role of LP(a) in cerebrovascular disease	\$ 49,372.00
1999	Ont.	Koschinsky, Marlys L.			Queen's University	Biochemistry	Interactive domains of apo(a): identification and functional significance	\$ 50,000.00
1999	Ont.	Krahn, Andrew D.			University of Western Ontario	Cardiac Investigation	Dynamic adaptation of QT interval in long QT syndrome.	\$ 37,371.00
1999	Ont.	Langille, B. Lowell			Toronto Hospital		Arterial responses to hemodynamic stresses.	\$ 92,911.00
1999	Ont.	Lee, David H.			Queen's University		Prothrombotic effects of cross-linked hemoglobin.	\$ 52,934.00
1999	Ont.	Lee, Lana			University of Windsor	Chemistry & Biochemistry	Structure of plasmin inhibitor.	\$ 17,333.00
1999	Ont.	Lee, Robert M.K.W.			McMaster University	Anaesthesia	Alterations in hypertensive arteries.	\$ 63,064.00
1999	Ont.	Leenen, Frans H.H.			University of Ottawa	Hypertension Unit	Cardiac angiotensin II and hemodynamic overload induced cardiac hypertrophy.	\$ 72,497.00
1999	Ont.	Leenen, Frans H.H.	Davies, Ross A.	Floras, John S.	University of Ottawa	Hypertension Unit	Therapeutic implications of blockade of the brain R.A.S.	\$ 82,606.00
1999	Ont.	Lesiuk, Howard J.	Durkin, John P.		Loeb Research Institute	Neurosciences	Calpain in neuronal injury.	\$ 55,554.00
1999	Ont.	Letarte, Michelle			Hospital for Sick Children	Research Institute	The role of endoglin in normal vasculature and in the pathology of hereditary haemorrhagic telangiectasia.	\$ 85,948.00
1999	Ont.	Lewis, Gary F.			Toronto Hospital	Medicine	Mechanism of HDL-c lowering in hypertriglyceridemia.	\$ 76,208.00
1999	Ont.	Liew, C.C.			University of Toronto	Laboratory Medicine	Chromatin structure of cardiac myosin heavy chain genes.	\$ 57,388.00
1999	Ont.	Lillicrap, David			Queen's University	Pathology	Influence of genotype and environment on endothelial cell expression of von Willebrand factor.	\$ 85,256.00
1999	Ont.	Liu, Peter P.	Backx, Peter H.		Toronto Hospital	General Division	Iron overload cardiomyopathy-pathogenesis & therapy.	\$ 76,800.00
1999	Ont.	Liu, Peter P.	Sherman, Igor	Stewart, Duncan J.	Toronto Hospital	General Division	Coronary microvasculature in heart failure: From pathophysiology to therapy	\$ 131,835.00
1999	Ont.	Locke, Marius	Westwood, J. Tim		University of Toronto	Physical Education and Health	HSP 70 expression and ischemia induced apoptosis in the aged myocardium.	\$ 32,750.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Logan, Alexander G.	Bradley, T. Douglas		Mount Sinai Hospital	Samuel Lunenfeld Research Institute	Refractory hypertension and obstructive sleep apnea.	\$ 33,797.00
1999	Ont.	Logan, Alexander G.	Bull, Shelley	Siminovitch, Katherine Anne	Mount Sinai Hospital	Samuel Lunenfeld Research Institute	Role of thiazide receptor gene in primary hypertension.	\$ 65,291.00
1999	Ont.	Lucas, Alexandra R.			John P. Robarts Institute	Vascular Biology	Laser-induced fluorescence: Optical analysis of unstable atherosclerosis plaque.	\$ 56,795.00
1999	Ont.	MacLennan, David H.			University of Toronto	Charles H. Best Institute	Sites of interaction between phospholamban and the cardiac calcium pump	\$ 111,030.00
1999	Ont.	MacManus, John P.	Robertson, George S.		University of Ottawa		E2F transcription factor promotes neuronal death following cerebral ischemia.	\$ 58,821.00
1999	Ont.	Mak, Alan S.			Queen's University	Biochemistry	Signal transduction in vascular smooth muscle cell migration	\$ 74,005.00
1999	Ont.	Marcel, Yves L.			University of Ottawa	Lipoproteins & Atherosclerosis	Cell membrane apoE and lipoprotein metabolism.	\$ 63,453.00
1999	Ont.	Marks, Gerald S.	Brien, James F.	Maurice, Donald H.	Queen's University	Pharmacology and Toxicology	Effects of nitrovasodilators, NO and Co on blood vessel function	\$ 76,918.00
1999	Ont.	Marsden, Philip A.			University of Toronto	Medicine	Structure and function of the non-coding regions of the eNOS mRNA.	\$ 68,590.00
1999	Ont.	Marsden, Philip A.			University of Toronto	Medicine	Molecular regulation of the neuronal NO synthase gene: relevance to cerebrovascular and cardiovascular disease.	\$ 93,153.00
1999	Ont.	Massicotte, M. Patricia	Shaughnessy, Stephen G.	Halton, Jacqueline	Hospital for Sick Children	Hematology	Bone density in children on long term warfarin.	\$ 52,650.00
1999	Ont.	Massicotte, M. Patricia	Chait, Peter		Hospital for Sick Children	Hematology	Determination of the sensitivity and specificity of ultrasound for the diagnosis of central venous line related thrombosis in the upper venous system in symptomatic pediatric patients.	\$ 32,900.00
1999	Ont.	Maurice, Donald H.			Queen's University	Pathology	Phosphodiesterases in arteries.	\$ 75,750.00
1999	Ont.	McCrinkle, Brian W.	Webb, Gary D.	Gatzoulis, Michael A.	Hospital for Sick Children	Pediatrics	Mortality and outcomes of tetralogy of fallot in an adult cohort.	\$ 116,226.00
1999	Ont.	McCulloch, Christopher A.	Gotlieb, Avrum I.	Seth, A.	University of Toronto	MRC Peridental Physiology Group	Regulation of actin gene expression by mechanical loading.	\$ 84,512.00
1999	Ont.	McPherson, Ruth			University of Ottawa	Lipid Research	Regulation of adipocyte LRP gene expression.	\$ 49,320.00
1999	Ont.	Mickle, Donald A.G.			Toronto Hospital	Clinical Biochemistry	Oxygen tension regulation in cyanotic heart disease.	\$ 65,925.00
1999	Ont.	Miller, Judith A.	Catran, Daniel	Floras, John S.	Toronto Hospital	Nephrology	Impact of gender on the renin angiotensin system.	\$ 79,990.00
1999	Ont.	Milne, Ross W.	Marcel, Yves L.		University of Ottawa	Lipoprotein & Atherosclerosis	Plasma lipid transfer proteins: structure and biology	\$ 54,448.00
1999	Ont.	Moe, Gordon			St. Michael's Hospital	Cardiology	Neurohormone activation and the progression of heart failure.	\$ 74,512.00
1999	Ont.	Morley, Paul			University of Ottawa	Biological Science	Ischemic alterations of NMDA receptors.	\$ 56,906.00
1999	Ont.	Morris, Catherine E.	Lesiuk, Howard J.	Mills, Linda	University of Ottawa	Neurosciences	Cell surface area regulation in ischemia: mechanics and dynamics of neuronal; plasma membrane	\$ 43,480.00
1999	Ont.	Moyes, Christopher D.			Queen's University	Biology	Post-transcriptional regulation of cytochrome oxidase subunits.	\$ 70,326.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Narayanan, Njanoor			University of Western Ontario	Physiology	Membrane functions in aging myocardium.	\$ 77,828.00
1999	Ont.	Nesheim, Michael E.			Queen's University	Biochemistry	The activation of TAFI in the properties of TAFIa	\$ 69,990.00
1999	Ont.	Newton, Gary E.	Lehotay, Denis		Mount Sinai Hospital	Medicine	Oxidative stress in human congestive heart failure.	\$ 62,003.00
1999	Ont.	Ng, Dominic S.-K.			St. Michael's Hospital	Medicine	The role of lecithin cholesterol acyltransferase in atherosclerosis - studies in gene-targeted mice.	\$ 63,000.00
1999	Ont.	Nolan, Robert P.	Irvine, Jane	Reid, Graham J.	Toronto Hospital		Biofeedback reactivity & relapse prevention trial.	\$ 90,376.00
1999	Ont.	Nurse, Colin A.			McMaster University	Biology	O2-sensing mechanisms in rat adrenal chromaffin cells.	\$ 32,370.00
1999	Ont.	O'Brien, Edward R.			University of Ottawa	Medicine and Biochemistry	Arterial alpha and beta estrogen receptors.	\$ 57,331.00
1999	Ont.	Ojha, Matadial	Butany, Jagdish W.		University of Toronto	Biomedical Engineering	Histomorphometry and hemodynamics of human arterial grafts.	\$ 47,250.00
1999	Ont.	Olivieri, Nancy F.	Templeton, Douglas		University of Toronto	Pediatrics	Mechanisms of cardiac fibrosis in iron overload and chelation.	\$ 67,415.00
1999	Ont.	Olney, Sandra J.	Brouwer, Brenda	Culhman, E.D.	Queen's University		Reducing disability in chronic stroke through physical conditioning.	\$ 80,191.00
1999	Ont.	Opas, Michal J.			University of Toronto	Anatomy & Cell Biology	Cardiac calreticullin: cell and developmental biology.	\$ 83,937.00
1999	Ont.	Orser, Beverly A.	Tymianski, Michael		University of Toronto	Physiology	Cellular mechanisms of neuroprotection by hypothermia and intravenous anesthetics.	\$ 64,978.00
1999	Ont.	Osmond, Daniel H.			University of Toronto	Physiology	A potent new hypertensive system linked to blood coagulation factor XII.	\$ 56,284.00
1999	Ont.	Pang, Stephen C.	Flynn, Geoffrey T.		Queen's University	Anatomy and Cell Biology	Expression of atrial natriuretic peptides and their receptors.	\$ 74,053.00
1999	Ont.	Pappas, Bruce	Bennett, Steffany A.L.	Santyr, Giles	Carleton University	Neuroscience	Chronic ischemia of brain and retina.	\$ 49,200.00
1999	Ont.	Park, David S.	Slack, Ruth		University of Ottawa	Medicine	Mechanisms of apoptosis in ischemia.	\$ 42,066.00
1999	Ont.	Parker, John D.			Mount Sinai Hospital	Medicine	Studies concerning tolerance and the vascular effects of organic nitrates.	\$ 57,883.00
1999	Ont.	Parker, John D.	Floras, John S.	Newton, Gary E.	Mount Sinai Hospital	Medicine	The control and modulation of cardiac sympathetic activity in CHF.	\$ 81,855.00
1999	Ont.	Peniston, Charles M.	McLean, Richard F.	Naylor, C. David	Toronto Hospital	Surgery	Cerebral protectin by insulin for cardiac surgery.	\$ 65,158.00
1999	Ont.	Pickering, J. Geoffrey	Chan, Bosco M.C.		John P. Robarts Institute	Cardiology	Integrins and smooth muscle cell migration	\$ 72,880.00
1999	Ont.	Pratt, M. Christine			University of Ottawa		Estrogen receptor B function in vascular smooth muscle.	\$ 45,000.00
1999	Ont.	Pruzanski, Waldemar	De Beer, Frederick	Kuksis, Arnis	University of Toronto	Wellesley Central Site	Interaction of sPLA2/SAA-hydrolysed lipoproteins with vascular wall cells.	\$ 58,460.00
1999	Ont.	Pryzdial, Edward L.			University of Ottawa	Research and Development	A novel fibrinolysis accelerator localized by procoagulant phospholipid: plasmin-mediated conversion of the coagulation enzyme complex, prothrombinase, into a tissue plasminogen activator cofactor.	\$ 55,765.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Rabinovitch, Marlene	Keeley, Fred W.		Hospital for Sick Children	Cardiovascular Research	Regulation of cardiovascular remodelling by elafin and a novel vascular chymase: Studies including a transgenic approach.	\$ 109,611.00
1999	Ont.	Rabinovitch, Marlene			Hospital for Sick Children	Cardiovascular Research	Apolipoprotein A, AML1, elastase and tenascin in pulmonary vascular disease	\$ 166,601.00
1999	Ont.	Rakusan, Karel	Cicutti, Nicholas		University of Ottawa	Physiology	Coronary angiogenesis.	\$ 57,498.00
1999	Ont.	Rand, Margaret L.	Freedman, John		Hospital for Sick Children	Haematology/Oncology	The procoagulant surface of activated platelets: persistence in vivo and in vitro	\$ 61,859.00
1999	Ont.	Reid, Graham J.	Irvine, Jane	Lazzam, Charles	Toronto Hospital	Family Medicine & Psychology	Psychological factors and platelet activation: predictors and mechanisms of restenosis following PTCA.	\$ 91,731.00
1999	Ont.	Reid, Robert D.	Dafoe, William	Oldridge, Neil	University of Ottawa	Prevention and Rehabilitation	Program length and cardiac rehabilitation.	\$ 62,557.00
1999	Ont.	Renaud, Leo P.			University of Ottawa	Neurology	CNS mechanisms regulating mammalian neuroendocrine and cardiovascular function.	\$ 50,877.00
1999	Ont.	Robertson, George S.	McIntyre, Dan		University of Ottawa		Neuroprotection in cerebral ischemia by IAP overexpression.	\$ 54,108.00
1999	Ont.	Robinson, Brian H.	Benson, Lee		Hospital for Sick Children	Genetics	Role of mitochondrial respiratory chain free radical production in response to cardiac ischemia and energy deprivation.	\$ 66,415.00
1999	Ont.	Roder, John C.			Mount Sinai Hospital	Molecular Immunology & Neurobiology	The role of GluR2 in cerebral ischemia.	\$ 59,016.00
1999	Ont.	Ross, Gregory M.			Queen's University		Neuronal death resulting from a loss of neurotrophin activity.	\$ 50,184.00
1999	Ont.	Roy, Eric A.	Black, Sandra E.	Dixon, Ian M.	University of Waterloo	Kinesiology	Neuropsychological profiles of limb apraxia.	\$ 48,695.00
1999	Ont.	Rubin, Barry			Toronto Hospital	Medicine	Neutrophil mediated cardiomyocyte cytotoxicity: role of phospholipase A2.	\$ 58,436.00
1999	Ont.	Rubin, Lawrence A.	Cole, David E.C.	Hegele, Robert A.	Womens College Hospital		Heart disease and rheumatoid arthritis in an aboriginal people	\$ 62,500.00
1999	Ont.	Ruddy, Terrence D.	Beanlands, Rob S.	Dekemp, Robert	University of Ottawa		Metoprolol and ischemic viable myocardium.	\$ 35,100.00
1999	Ont.	Sananes, Renee	Hornberger, Lisa	McCrinkle, Brian W.	Hospital for Sick Children	Psychology	Predictors of neurodevelopmental outcomes after neonatal CPB.	\$ 70,352.00
1999	Ont.	Sandig, Martin			University of Western Ontario	Anatomy and Cell Biology	Role of adhesion molecules in monocyte diapedesis.	\$ 67,895.00
1999	Ont.	Schlichter, Lyanne C.	Pennefather, Peter		Toronto Hospital	Western Division	Microglia activation and ischemic damage to brain cells.	\$ 76,786.00
1999	Ont.	Scholey, James W.			University of Toronto	Nephrology	The effect of mechanical strain on cell signalling in the mesangial cell.	\$ 59,785.00
1999	Ont.	Shaughnessy, Stephen G.	Young, Edward		McMaster University	Hamilton Civic Hospitals Research	The effects of low molecular-weight and standard heparin on bone.	\$ 75,473.00
1999	Ont.	Sheffield, William P.			McMaster University	Pathology	Thrombin-inhibitory serpin mechanism.	\$ 53,061.00
1999	Ont.	Sheffield, William P.			McMaster University	Pathology	Antithrombic fusion proteins	\$ 55,008.00



Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Shnek, Zachary	Abbey, Susan	Daly, Paul A.	Toronto Hospital	Psychology	Psychological treatment of depression in post-acute myocardial infarction and unstable angina patients.	\$ 76,467.00
1999	Ont.	Sibbald, William			University of Western Ontario		Effect of anemia & RBCs on septic myocardial dysfunction.	\$ 59,768.00
1999	Ont.	Skerjanc, Ilona S.			University of Western Ontario	Biochemistry	The molecular basis of cardiac muscle development.	\$ 72,262.00
1999	Ont.	Slack, Ruth			University of Ottawa	Medicine	P53-mediated cell death in ischemia	\$ 53,529.00
1999	Ont.	Sorisky, Alexander			Loeb Research Institute	Medicine	Role of human adipocyte differentiation in obesity.	\$ 63,180.00
1999	Ont.	Spence, J. David	Barnett, Peter		John P. Robarts Institute	Stroke Prevention Research Centre	Phytoestrogens and atherosclerosis.	\$ 75,853.00
1999	Ont.	Spence, J. David			John P. Robarts Institute	Stroke Prevention Research Centre	Biobehavioural aspects of coronary heart disease.	\$ 51,869.00
1999	Ont.	Stanimirovic, Danica B.	Hutchinson, James	Muruganandam, Arumugam	University of Ottawa	Cellular Neurobiology	Effects of ischemia on cerebral endothelial cell/neutrophil interactions	\$ 50,950.00
1999	Ont.	Steiner, George			Toronto Hospital	Medicine	Hyperinsulinemia and VLDL-TG production	\$ 85,869.00
1999	Ont.	Steinman, David A.			John P. Robarts Institute		Fundamental hemodynamic factors in early carotid artery disease: A non-invasive human study.	\$ 64,798.00
1999	Ont.	Stewart, Duncan J.			St. Michael's Hospital	Cardiology	Cell based gene therapy of PPH.	\$ 73,809.00
1999	Ont.	Storey, Kenneth B.			Carleton University	Biochemistry	Hypothermic and freezing during preservation of heart: vertebrate models.	\$ 31,375.00
1999	Ont.	Strauss, Bradley H.			St. Michael's Hospital	Cardiology	Vein graft repair following balloon angioplasty.	\$ 64,015.00
1999	Ont.	Stys, Peter K.			Loeb Research Institute	Neurology	Anoxic/ischemic injury in mammalian CNS white matter: calcium-dependent effector systems	\$ 60,988.00
1999	Ont.	Szabo, Arthur			University of Windsor	Chemistry & Biochemistry	PAI-1 structure, function and interaction studies.	\$ 45,900.00
1999	Ont.	Tang, Anthony S.L.	Connors, Sean		University of Ottawa	Cardiology	Influence of ventricular refractoriness on defibrillation.	\$ 59,192.00
1999	Ont.	Taylor, S. Martin	Abernathy, Thomas J.	Elliot, S. J.	McMaster University	Geography and Geology	Regional variations in cardiovascular disease in Ontario	\$ 62,965.00
1999	Ont.	Tein, Ingrid			Hospital for Sick Children	Neurology	Molecular characterization of the plasmalemmal carnitine transporter.	\$ 68,937.00
1999	Ont.	Templeton, Douglas			University of Toronto	Laboratory Medicine	Heparin sensitivity and resistance in vascular smooth muscle	\$ 56,380.00
1999	Ont.	Thomas, Scott G.	Chiamvimonvat, Vera	Miller, Judith A.	University of Toronto	University of Toronto	Older women's CV function: short term aerobic training	\$ 45,388.00
1999	Ont.	Thomas, Scott G.			University of Toronto	University of Toronto	CV function in GHD: exercise and rhGH	\$ 47,690.00
1999	Ont.	Trifaro, Jose-Maria			University of Ottawa	Pharmacology	Role of scinderin, a novel actin filament-severing protein in platelet function.	\$ 60,701.00
1999	Ont.	Tu, Jack V.	Anderson, Geoffrey	Kucey, Daryl	Sunnybrook Health Science Centre	Medicine & Public Health Science	Carotid endarterectomy health services research program.	\$ 58,528.00
1999	Ont.	Tuana, Balwant S.			University of Ottawa	Pharmacology	Calcium channel components from heart sarcolemma	\$ 121,072.00
1999	Ont.	Turley, Eva	Cruz, Tony F.		Hospital for Sick Children	Cardiovascular Research	The role of RHAMM in determining response to PDGF and IL-1.	\$ 56,100.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Tymianski, Michael			Toronto Hospital	Playfair Neuroscience	Molecular mechanisms of calcium neurotoxicity.	\$ 72,300.00
1999	Ont.	Tyml, Karel			University of Western Ontario	Medical Biophysics	Role of capillary in microvascular blood flow control.	\$ 57,014.00
1999	Ont.	Urowitz, Murray	Gladman, Dafna	Steiner, George	Toronto Hospital		Risk factors for coronary artery disease in women with systemic lupus	\$ 78,494.00
1999	Ont.	Van Eyk, Jennifer E.			Queen's University	Physiology	The role of p21-activated kinase, PAK, in regulation of muscle contractility.	\$ 65,859.00
1999	Ont.	Van Huysse, James			University of Ottawa		Functional roles of the brain Na, K-ATPase, isoforms.	\$ 60,386.00
1999	Ont.	Wang, Yu Tian			Hospital for Sick Children	Neuroscience	Depression of AMPA receptor-mediated excitation by insulin.	\$ 91,317.00
1999	Ont.	Ward, Christopher A.			Queen's University	Physiology	Effects of hydrogen peroxide on myocardial tissues.	\$ 58,090.00
1999	Ont.	Warkentin, Theodore E.			McMaster University	Laboratory Medicine	Heparin-induced thrombocytopenia.	\$ 57,911.00
1999	Ont.	Watt-Watson, Judy	Stevens, Bonnie J.	Katz, Joel	University of Toronto	Nursing	Impact of a preoperative intervention on pain management outcomes after CABG surgery	\$ 53,755.00
1999	Ont.	Waxman, Menashe B.	Tsushima, Robert G.		Toronto Hospital	Medicine	Atrial fibrillation in spontaneously hypertensive rats.	\$ 48,622.00
1999	Ont.	Weaver, Lynne C.			John P. Robarts Institute	Neurodegeneration	Cardiovascular control after spinal cord injury	\$ 82,636.00
1999	Ont.	Weisel, Richard D.			Toronto Hospital	Cardiovascular Research	Protection from perioperative ischemia.	\$ 52,855.00
1999	Ont.	Weisel, Richard D.			Toronto Hospital	Cardiovascular Research	Cardioplegia additives.	\$ 69,265.00
1999	Ont.	Weitz, Jeffrey I.			McMaster University	Medicine	Mechanisms of plasminogen activator-induced bleeding.	\$ 96,812.00
1999	Ont.	Wells, James W.			University of Toronto	University of Toronto	Mechanism of signalling via cardiac muscarinic receptors.	\$ 76,896.00
1999	Ont.	Wells, Philip S.	Anderson, David Roy	Ginsberg, Jeffrey S.	Loeb Research Institute	Civic Parkdale Clinic	DVT Investigation evaluation & management study part II.	\$ 91,193.00
1999	Ont.	Wells, Philip S.	Bredeson, Christopher	Jones, Gwynne	Loeb Research Institute	Civic Parkdale Clinic	The BIOPED study (bedside investigation of pulmonary embolism diagnosis).	\$ 42,931.00
1999	Ont.	Wilson, Gregory J.	Backx, Peter H.		Hospital for Sick Children	Pathology	Ischemic preconditioning of the myocardium: role of chloride channels.	\$ 103,179.00
1999	Ont.	Wilson, Gregory J.	Courtman, David W.		Hospital for Sick Children	Pathology	Thromboresistance of acellular matrix vascular bioprostheses.	\$ 63,782.00
1999	Ont.	Wilson, John X.	Cechetto, David F.	Gelb, Adrian W.	University of Western Ontario	Physiology	Anesthetics in the prevention of ischemic brain injury.	\$ 74,967.00
1999	Ont.	Wisenberg, Gerald	Thompson, R. Terry		University of Western Ontario	St. Joseph's Health Centre	MR imaging and spectroscopy of combination therapy directed against myocardial reperfusion injury.	\$ 90,974.00
1999	Ont.	Wittnich, Carin			University of Toronto	Surgery	Chronically hypoxic newborn hearts response to stress.	\$ 94,145.00
1999	Ont.	Wittnich, Carin			University of Toronto	Surgery	Impact of gender on myocardial pathology & responses to ischemia/reperfusion.	\$ 75,542.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Ont.	Wolfe, Bernard M.J.			University of Western Ontario	University Campus	Studies of the mechanisms of action of ovarian hormones upon lipoproteins metabolism in postmenopausal women.	\$ 74,449.00
1999	Ont.	Wright, Graham	Merchant, Naeem	Webb, Gary D.	Sunnybrook Health Science Centre		Assessment of congenital heart disease with MRI	\$ 39,942.00
1999	Ont.	Yang, Homer	Butler, Ron	Roberts, Robin S.	McMaster University	Anaesthesia	MaVS - metoprolol after vascular surgery.	\$ 69,004.00
1999	Ont.	Yao, Zemin			University of Ottawa		Intracellular degradation of apoB.	\$ 68,842.00
1999	Ont.	Yau, Terrence M.	Weisel, Richard D.		Toronto Hospital	Surgery	Insulin cardioplegia for poor left ventricular function.	\$ 69,600.00
1999	Ont.	Yee, Raymond			University of Western Ontario	Medicine	Atrial fibrillation: ventricular irregularity and atrial remodeling issues.	\$ 44,485.00
1999	Ont.	Young, Edward	Podor, Thomas J.		McMaster University	Laboratory Medicine	Clearance and metabolism of low-molecular weight heparin.	\$ 66,157.00
1999	Ont.	Yusuf, Salim	Lonn, Eva M.	Smieja, Marek J.	McMaster University	Hamilton Health Science Corp.	Inflammatory and infectious markers in the HOPE study (IIM_HOPE).	\$ 84,454.00
1999	Ont.	Yusuf, Salim	Anand, Sonia	Gerstein, Hertz C.	McMaster University	Hamilton Health Science Corp.	SHARE - First Nations	\$ 95,435.00
1999	Ont.	Zhang, Liang			Toronto Hospital	Playfair Neuroscience Unit	Functionality and pharmacology of post-ischemic NMDA receptors.	\$ 45,253.00
1999	P.E.I.	Saleh, Tarek M.			University of Prince Edward Island	Anatomy and Physiology	Estrogen in the central regulation of autonomic function.	\$ 48,421.00
1999	P.E.I.	Sweeney-Nixon, Marva I.			University of Prince Edward Island	Biology	Cellular and molecular changes induced by adenosine.	\$ 54,000.00
1999	Que.	Angle, Mak R.			Department of Anaesthesia	Montreal Neurological Institute	Regulation of cerebral arteriolar tone by pressure and flow	\$ 12,000.00
1999	Que.	Arsenault, Marie			Institut de Cardiologie de Québec		Left ventricular geometric studies in aortic regurgitation	\$ 16,500.00
1999	Que.	Aubry, Muriel			Institut de recherches cliniques de Montréal		Heart developmental disorders and transcription factors	\$ 16,500.00
1999	Que.	Audette, Marie			CHUL, Centre Hospitalier Universitaire de Québec	Endocrinologie Moléculaire	Regulated expression of adhesion molecules in the pathogenesis of atherosclerosis : the ICAM-1 model	\$ 16,500.00
1999	Que.	Bachelard, Helene			Centre de Recherche du CHUL	Recherche sur l'Hypertension	Regional hemodynamics and insulin sensitivity in conscious rats	\$ 16,500.00
1999	Que.	Battistini, Bruno			Hôpital Laval	Unité de recherche clinique et fondamentale	Role of adenosine as an inhibitor of the synthesis of endothelins	\$ 16,500.00
1999	Que.	Bergeron, Jean	Julien, Pierre	Gaudet, Daniel	CHUQ	Pavillon CHUL	Role of apoCIII on the expression of hypertriglyceridemia in LPL deficiency	\$ 12,000.00
1999	Que.	Billette, Jacques			Université de Montréal	Physiologie	Functional properties of dual AV nodal inputs	\$ 16,500.00

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1999	Que.	Bkaily, Ghassan			Université de Sherbrooke	Physiologie et Biophysique	Propriété modulatrice calcique du PAF dans le muscle cardiaque	\$ 26,500.00
1999	Que.	Blostein, Rhoda			Montreal General Hospital		Na,K-ATPase structure, function and regulation	\$ 26,500.00
1999	Que.	Bourbonnais, Renee	Brisson, Chantal	Dagenais, Gilles R.	Centre de santé publique du Québec		Récidive après un premier infarctus	\$ 16,750.00
1999	Que.	Bouvier, Michel			Université de Montréal	Biochimie	Beta-adrenergic receptor regulation	\$ 26,500.00
1999	Que.	Brissette, Louise			Université du Québec à Montréal	Sciences Biologiques	Analyse approfondie du rôle de CLA-I dans la cellule hépatique	\$ 12,000.00
1999	Que.	Brisson, Chantal	Laflamme, Nathalie	Moisan, Jocelyne	CHAUQ, Pavillon St-Sacrement	Epidémiologie	Environnement de travail, maladie coronarienne, tension artérielle	\$ 23,465.00
1999	Que.	Brochu, Michele			Hôpital Ste-Justine	Centre de recherche	Régulation de la sécrétion d'aldostérone par les ions de la diète au cours de la gestion	\$ 12,000.00
1999	Que.	Cardinal, Rene			Hôpital Sacré-Cœur de Montréal	Centre de recherche	Mechanisms of ventricular tachycardia and antiarrhythmic drug action in ischemically	\$ 16,500.00
1999	Que.	Chahine, Mohamed			Hôpital Laval	Centre de recherche	Étude de l'inactivation rapide des canaux sodiques voltage-dépendants	\$ 26,500.00
1999	Que.	Chalifour, Lorraine E.			SMDB-Jewish General Hospital	Lady Davis Institute	Gene expression in cardiac hypertrophy and regression	\$ 16,500.00
1999	Que.	Chemtob, Sylvain			Hôpital Sainte-Justine	Centre de recherche	Regulation of prostaglandin functions on ocular vasculature	\$ 26,500.00
1999	Que.	Chiu, Ray. C.-J.			The Montréal General Hospital		Transmyocardial revascularization and angiogenesis	\$ 16,500.00
1999	Que.	Cianflone, Katherine			Royal Victoria Hospital		Acylation stimulating protein: regulation of adipocyte secretion	\$ 16,500.00
1999	Que.	Cleroux, Jean			CRCHUL		Skeletal muscle blood flow and insulin-mediated glucose metabolism in hypertension	\$ 16,500.00
1999	Que.	Cloutier, Guy	Durand, Louis-Gilles		Institut de recherches cliniques de Montréal	Génie Biomédical	Characterization of red blood cell aggregation dynamics with ultrasound	\$ 12,000.00
1999	Que.	Coet, Jacques			Hôpital Laval	Centre de recherche	Caveolae and cell signaling in the cardiovascular system	\$ 12,000.00
1999	Que.	Comtois, Alain S.			Pavillon Notre-Dame, CHUM	Fonctions Pulmonaire	Respiratory muscle blood flow regulation by katp channels	\$ 16,500.00
1999	Que.	Cooper, Ellis			McGill University	Physiology	Voltage-gated K channels	\$ 12,000.00
1999	Que.	Couture, Rejean			Université de Montréal	Physiologie	Étude des tachykinines et de leurs récepteurs sur le système cardiovasculaire	\$ 16,500.00
1999	Que.	Cupples, William A.			SMBD-Jewish General Hospital	Lady Davis Institute	Dynamics of superior mesenteric artery blood flow	\$ 16,500.00
1999	Que.	Daleau, Pascal			Hôpital Laval	Institut de Cardiologie de Québec	Effet d'antiarythmiques et de la LPC sur le couplage électrique de cellules cardiaques	\$ 16,500.00
1999	Que.	deBlois, Denis			Hôtel-Dieu de Montréal		Natriuretic peptides and arterial injury	\$ 16,500.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Que.	Demczuk, Suzanne			Montreal Children's Hospital Research Institute	Molecular Cytogenetics Laboratory	The 22q11 deletion syndrome : cloning of candidate genes and refinement of the critical region	\$ 26,500.00
1999	Que.	Deschepper, Christian F.			Institut de recherches cliniques de Montréal		Novel animal models of left ventricular hypertrophy	\$ 16,500.00
1999	Que.	Deshaies, Yves			Université Laval	Physiologie	Sympathoadrenal modulation of triglyceride metabolism	\$ 16,500.00
1999	Que.	Despres, Jean-Pierre			Centre hospitalier Université Laval		Lipoprotein metabolism in visceral obesity	\$ 16,500.00
1999	Que.	Ditto, Blaine	Séguin, Jean R.		McGill University	Psychology	High blood pressure and decreased pain perception	\$ 16,500.00
1999	Que.	D'Orleans-Juste, Pedro			Université de Sherbrooke	Pharmacologie	Pharmacologie cardiovasculaire des endothélines et des kinines chez les souris transgéniques (knockout)	\$ 16,500.00
1999	Que.	Drolet, Guy			Centre hospitalier Université Laval	Hypertension	Neuroanatomical organization of opioidergic pathways involved in the regulation of stress responses	\$ 16,500.00
1999	Que.	Drouin, Jacques			Institut de recherches cliniques de Montréal		HLH transcription factors in heart-specific gene expression	\$ 26,500.00
1999	Que.	Dumont, Louis	Chen, Huifang	Jasmin, Gaetan	Université de Montréal	Pharmacologie	Efficacité cardioprotectrice des vasodilateurs dans la défaillance cardiaque chronique : atteintes coronariennes et répercussions myocardiques	\$ 12,000.00
1999	Que.	Dupuis, Jocelyn			Institut de Cardiologie de Montréal	Centre de recherche	Rôle du système endothéline dans l'hypertension pulmonaire	\$ 16,500.00
1999	Que.	English, Ann M.			Concordia University	Chemistry & Biochemistry	Biochemical and mutational analysis of soluble guanylate cyclase	\$ 12,000.00
1999	Que.	Escher, Emmanuel			Université de Sherbrooke	Pharmacologie	Le développement et l'utilisation d'outils moléculaires pour la recherche sur les récepteurs de l'angiotensine et d'autres médiateurs peptidiques	\$ 16,500.00
1999	Que.	Fiset, Celine			Institut de Cardiologie de Montréal	Centre de recherche	Estrogen regulation of cardiac K + currents	\$ 16,500.00
1999	Que.	Fournier, Alain			Université du Québec	Centre de recherche en santé humaine	Biological characterizations of endothelin, its receptors and its maturation process using synthetic peptide analogs	\$ 19,750.00
1999	Que.	Fouron, Jean-Claude	Chemtob, Sylvain		Hôpital Sainte-Justine	Cardiologie	Ontogeny of PGE2 receptors in the ductus arteriosus in the fetus.	\$ 16,500.00
1999	Que.	Frojmovic, Maurice M.			McGill University		Regulation of human neutrophil/platelet aggregation in flow and oxidative burst	\$ 16,500.00
1999	Que.	Gallo-Payet, Nicole			Université de Sherbrooke	Endocrinologie	Rôle de l'angiotensine II et du calcium dans la sécrétion d'aldostérone	\$ 16,500.00
1999	Que.	Gauvin, Lise			Université Concordia	Science Exercice	Increasing sedentary adolescents' physical activity	\$ 12,000.00
1999	Que.	Germain, Lucie	Auger, Francois A.	Labbe, Raymond	Hôpital du Saint- Sacrement	Organogénèse Expérimentale	Caractéristiques physiques de prothèses vasculaires humaines obtenues par génie tissulaire	\$ 16,500.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Que.	Goldsmith, Harry L.			Montreal General Hospital		Platelet activation and interaction in flowing suspensions	\$ 16,500.00
1999	Que.	Greenwood, Michael T.			Royal Victoria Hospital	Critical Care Division	The role of regulators G-protein (RGS) in regulating vasoactive G-protein coupled receptor agonist signalling sepsis	\$ 16,500.00
1999	Que.	Guillemette, Gaetan			Université de Sherbrooke	Pharmacologie	Propriétés structurales des récepteurs de l'angiotensine II.	\$ 16,500.00
1999	Que.	Guo, Deng-Fu			Centre Hospitalier de l'Université de Montréal	Pavillon Hôtel-Dieu	Characterization of AT1 receptor associated proteins	\$ 16,500.00
1999	Que.	Gutkowska, Jolanta			CRCHUM, Campus Hôtel-Dieu	Biochimie Cardiovasculaire	Role of natriuretic peptide system in cardiomyopathic hamster model of congestive heart failure	\$ 16,500.00
1999	Que.	Hamel, Edith			Institut Neurologique de Montréal		Le système sérotonergique cérébrovasculaire : une cible thérapeutique pour la migraine	\$ 26,500.00
1999	Que.	Hassessian, Haroutioun M.			Hôpital Maisonneuve-Rosemont	Centre de recherche Guy-Bernier	Vascular endothelial growth factor evoked nitric oxide release	\$ 16,500.00
1999	Que.	Hebert, Terence			Montréal Heart Institut	Research Centre	Organization and specificity in GPCR signalling	\$ 12,000.00
1999	Que.	Hussain, Sabah N.			Royal Victoria Hospital	Critical Care Division	Endothelins in septic shock	\$ 16,500.00
1999	Que.	Isenring, Paul			Hôtel-Dieu de Québec	Centre de recherche	Characterization of novel ionic transporters in the myocardium	\$ 12,000.00
1999	Que.	Jacques, Danielle			Université de Sherbrooke	Anatomie & Biologie Cellulaire	Endocardial endothelium : correlation between NPY receptors pharmacology and fetal development	\$ 16,500.00
1999	Que.	Joanette, Yves			Institut universitaire de gériatrie de Montréal		Verbal communication deficits following right-hemisphere CVA	\$ 16,500.00
1999	Que.	Julien, Pierre			CHUQ-CHUL			\$ 16,500.00
1999	Que.	Kingma, John G.			Hôpital Laval	Centre de recherche	Preconditioning: role of Na/H exchange in delayed cytoprotection?	\$ 26,500.00
1999	Que.	Lamontagne, Daniel	Adam, Albert		Université de Montréal	Pharmacie	Role of BK and des-Arg9-BK in the cardioprotective effect of ACEI	\$ 12,000.00
1999	Que.	Latour, Jean-Gilles			Université de Montréal	Pathologie et Biologie Cellulaire	Plaquettes et sauvegarde du myocarde reperfusé	\$ 16,500.00
1999	Que.	Lavallee, Michel			Institut de Cardiologie de Montréal	Centre de recherche	Régulation coronaire	\$ 26,500.00
1999	Que.	Leblanc, Normand			Institut de Cardiologie de Montréal	Centre de recherche	Properties and regulation of Ca <sup>2+</sup> -dependent Cl <sup>-</sup> channels in vascular myocytes	\$ 26,500.00
1999	Que.	Leduc, Richard			Université de Sherbrooke	Pharmacologie	Characterization of endothelial cell converting enzymes	\$ 26,500.00
1999	Que.	LeHoux, Jean-Guy			Université de Sherbrooke	Biochimie	Les récepteurs surrénaliens de l'angiotensine II	\$ 16,500.00
1999	Que.	Levy, Emile			Hôpital Sainte-Justine		Mechanisms involved in intestinal lipid transport : role of both forms of fatty acid binding proteins (I + L) and MTP	\$ 12,000.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Que.	Magder, Sheldon A.			Royal Victoria Hospital		Beneficial effects of estrogen on the vasculature	\$ 16,500.00
1999	Que.	Majnemer, Annette			McGill University	Physical and Occupational Therapy	Early indicators of developmental sequelae in children with congenital heart defects	\$ 12,000.00
1999	Que.	Meloche, Sylvain			Hôtel-Dieu de Montréal	Centre de recherche	Importance of tyrosine phosphorylation in the hypertrophic action of angiotensin II on vascular smooth muscle	\$ 26,500.00
1999	Que.	Merhi, Yahye			Montréal Heart Institute		Adhesion molecules in neutrophil and platelet interactions	\$ 16,500.00
1999	Que.	Miller, Sidney B.	Wilson, Dawn K.		Concordia University	Psychology	Risk for hypertension in Canadian black men and women	\$ 16,500.00
1999	Que.	Mitchell, Grant A.			Hôpital Sainte-Justine	Service de Génétique, Centre de recherche	Macrophage foam cells : metabolic engineering to reduce cholesterol content	\$ 12,000.00
1999	Que.	Montgomery, Jane A.			Centre de recherche Louis-Charles Simard	Neurobiologie	Nitric oxide and cerebral ischemia/reperfusion	\$ 12,000.00
1999	Que.	Moreau, Pierre			Université de Montréal	Pharmacie	Nitric oxide growth regulation	\$ 26,500.00
1999	Que.	Mouginot, Didier			Centre de Recherche du CHUL	Neuroscience	Peptides mechanism of action in the anterior hypothalamus	\$ 16,500.00
1999	Que.	Mukaddam-Daher, Suhayla	Gutkowska, Jolanta		CHUM, Campus Hôtel-Dieu	Centre de recherche	Heart imidazoline receptors	\$ 16,500.00
1999	Que.	Nattel, Stanley			Montréal Heart Institute	Research Centre	Interaction between antiarrhythmics and cardiac tissue	\$ 26,500.00
1999	Que.	Nemer, Mona			Institut de recherches cliniques de Montréal		Mechanisms of gene transcription in the heart	\$ 26,500.00
1999	Que.	Orlov, Sergei N.			Hôtel-Dieu de Montréal	Centre de recherche	Heat shock proteins and ion transport in hypertension	\$ 16,500.00
1999	Que.	Orlowski, John			McGill University	Physiology	Determination of the drug binding domain of the Na/H exchange	\$ 26,500.00
1999	Que.	Parent, Lucie			Université de Montréal	Physiologie	Redox modulation of calcium channels	\$ 12,000.00
1999	Que.	Pellerin, Michel			Institut de Cardiologie de Montréal		Stimulation de la synthèse d'oxyde nitrique	\$ 16,500.00
1999	Que.	Perreault, Louis P.			Institut de Cardiologie de Montréal	Centre de recherche	Dysfonction endothéliale et athérosclérose du greffon	\$ 12,000.00
1999	Que.	Perreault, Therese			Hôpital de Montréal pour Enfants		Neonatal pulmonary circulation	\$ 26,500.00
1999	Que.	Philip, Anie			Montréal General Hospital		Characterization of transforming growth factor-B action in endothelial cells	\$ 12,000.00
1999	Que.	Pibarot, Philippe			Institut de recherches cliniques de Montréal	Génie Biomédical	Noninvasive evaluation of pulmonary arterial pressure, valve hemodynamic, and exercise capacity in patients with a prosthetic heart valve	\$ 12,000.00
1999	Que.	Powell, William S.			McGill University	Meakings-Christie Laboratories	Eicosanoids and neutrophil-endothelial cell interactions	\$ 16,500.00

Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Que.	Provencher, Patricia H.			Université de Sherbrooke	Endocrinologie	Régulation de la tension artérielle par les glucocorticoïdes : rôle de l'endothéline-1.	\$ 26,500.00
1999	Que.	Raymond, Jean			Université de Montréal	Radiologie	Cellular grafts and embolization of aneurysms	\$ 16,500.00
1999	Que.	Renier, Genevieve			CHUM	Hôpital Notre-Dame	Effect of lipoprotein lipase on smooth muscle cell proliferation	\$ 16,500.00
1999	Que.	Rindt, Hansjorg			Montréal Heart Institut	Research Centre	Regulation of the cardiac myosin heavy chain locus	\$ 26,500.00
1999	Que.	Rouleau, Guy A.	Cote, Robert		Hôpital Général de Montréal	Centre de recherche	Identification of genes predisposing to stroke	\$ 16,500.00
1999	Que.	Rousseau, Eric			Université de Sherbrooke	Physiologie et Biophysique	Rôle et régulation des canaux calciques du réticulum sarcoplasmique des cellules auriculaires humaines.	\$ 16,500.00
1999	Que.	Roy, Denis	Christian, Janicki	Jean, Raymond	Campus Notre, CHUM	Radiologie	Beta-irradiation in situ du rete mirabile porcin per injection intra-artérielle de marqueurs radioactifs mélangés au n-butyl, 2-cyanoacrylate	\$ 12,000.00
1999	Que.	Sauve, Remy			Université de Montréal	Physiologie	Molecular characterization of a calcium-activated potassium channel of intermediate conductance in vascular endothelial cells	\$ 26,500.00
1999	Que.	Savard, Pierre			Hôpital du Sacré-Cœur de Montréal	Centre de recherche	Risk stratification after myocardial infarction	\$ 16,500.00
1999	Que.	Schiller, Peter W.			Clinical Research Institute of Montréal	Chemical Biology and Peptide Research	Peptidergic mechanisms and blood pressure control	\$ 26,500.00
1999	Que.	Schondorf, Ronald			SMBD Jewish General Hospital	Neurology	Is vasoconstrictive reserve diminished in orthostatic intolerance?	\$ 26,500.00
1999	Que.	Seguela, Philippe A.			Institut neurologique de Montréal		Modulation des récepteurs de l'ATP de type P2X dans le muscle lisse vasculaire	\$ 16,500.00
1999	Que.	Shrier, Alvin			McGill University	Physiology	Dynamics and ionics of cultured cardiac myocytes	\$ 26,500.00
1999	Que.	Sirois, Martin G.			Institut de Cardiologie de Montréal	Centre de recherche	Vascular injury and repair: prevention of restenosis after angioplasty	\$ 12,000.00
1999	Que.	Sirois, Pierre			Université de Sherbrooke	Médecine & Pharmacologie	The roles of endothelin-1 in sepsis	\$ 12,000.00
1999	Que.	St. Louis, Jean			Hôpital Sainte-Justine	Centre de recherche	Le calcium extracellulaire; facteur clef dans les changements de réactivité vasculaire dans la grossesse normale et la prééclampsie?	\$ 12,000.00
1999	Que.	Thorin, Eric			Institut de Cardiologie	Centre de recherche	Endothelial alpha2-adrenergic receptors	\$ 16,500.00
1999	Que.	Turgeon, Jacques			Hôpital Laval	Centre de recherche	Modulators of antiarrhythmic drug effects	\$ 16,500.00
1999	Que.	Varma, Daya R.			McIntyre Med. Bldg. McGill University	Pharmacology and Therapeutics	Characterization of myocardial alpha1-adrenoceptor subtypes	\$ 16,500.00
1999	Que.	Wang, Zhiguo			Montréal Heart Institute	Research Center	Functional and molecular characterization of cardiac M3 receptors and its coupled K + channel	\$ 16,500.00
1999	Que.	Ward, Michael E.			Royal Victoria Hospital	Critical Care Division	Calcium desensitization during hypoxia	\$ 16,500.00
1999	Que.	Wu, Jiangping			CHUM, Campus Notre-Dame	Transplantation Immunology	Deleting alloantigen-specific T cells in cardiac transplantation by inhibiting proteasome activity	\$ 26,500.00



Year	Found	Applicant Name	Co-investigator 1	Co-investigator 2	Institute	Department	Project Title	Amount Funded
1999	Sask.	Crocker, Peter			University of Saskatchewan	Kinesiology	Tracking physical activity and smoking in adolescent females: The role of physical self-perceptions	\$ 13,200.00
1999	Sask.	Gopalakrishnan, Venkat			University of Saskatchewan	Pharmacology	Cardiac actions of vasopressin	\$ 58,000.00
1999	Sask.	Hiebert, Linda M.			University of Saskatchewan	Veterinary Medicine	Oral heparins	\$ 52,200.00
1999	Sask.	Juurlink, Bernard H.J.			University of Saskatchewan	Anatomy & Cell Biology	Hypoxia-inducible Factor 1. Glycolysis and hypoxia-ischemia	\$ 58,000.00
1999	Sask.	Khandelwal, Ramji L.	Sulakhe, Prakash V.		University of Saskatchewan	Biochemistry	Adaption of myocardial B-adrenoceptor coupled adenylyl cyclase system in diabetes	\$ 52,200.00
1999	Sask.	McNeill, J. Robert			University of Saskatchewan	Pharmacology	Vasopressin in rat models	\$ 55,000.00
1999	Sask.	Muhajarine, Nazeem	Roos, Leslie, L.	Reeder, Bruce	University of Saskatchewan	Community Health & Epidemiology	Ambulatory care and hospital services use of cardiovascular disease: The impact of socio-economic awards	\$ 58,000.00
1999	Sask.	Ovsenek, Nicholas	Bharadwaj, Lalita A.		University of Saskatchewan	Anatomy & Cell Biology	Heat shock factor (HSF1) activation in ischemia/reperfusion injury in cardiovascular tissue	\$ 52,200.00
1999	Sask.	Paterson, Phyllis	Juurlink, Bernard H.J.	Thornhill, James A.	University of Saskatchewan	College of Pharmacy & Nutrition	Dietary protein as a determinant of brain glutathione in stroke	\$ 58,000.00
1999	Sask.	Pato, Mary D.			University of Saskatchewan	Biochemistry	The role of phosphorylation in muscle contraction	\$ 52,200.00
1999	Sask.	Sharma, Rajendra K.			University of Saskatchewan	Pathology	Calmodulin regulated proteins in the heart	\$ 58,000.00
1999	Sask.	Thornhill, James A.	Juurlink, Bernard H.J.		University of Saskatchewan	Physiology	Febrile/non-febrile bacterial infection and cerebral ischemia	\$ 58,000.00
1999	Sask.	Walz, Wolfgang			University of Saskatchewan	Physiology	Functional specialization of glial cell populations in reactive gliosis	\$ 58,000.00
1999	Sask.	Wang, Rui			University of Saskatchewan	Physiology	The vascular effect of carbon monoxide and the underlying mechanism	\$ 65,000.00
1999	Sask.	Yager, Jerome			University of Saskatchewan	Pediatrics	Influence of thermoregulation on hypoxic-ischemic brain damage in the immature rat	\$ 52,200.00