



RESEARCH RECHERCHE

Heart and Stroke
Foundation of Canada
Research Report

Rapport de recherche
de la fondation des
maladies du cœur
du Canada

2005/2006



HEART &
STROKE
FOUNDATION
OF CANADA

FONDATION
DES MALADIES
DU CŒUR
DU CANADA

*Finding answers. For life.
À la conquête de solutions.*

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Mission

The Heart and Stroke Foundation, a volunteer-based health charity, leads in eliminating heart disease and stroke and reducing their impact through the advancement of research and its application, the promotion of healthy living, and advocacy.

Organisme bénévole de bienfaisance en santé, la Fondation des maladies du cœur mène la lutte vers l'élimination des maladies du cœur et des accidents vasculaires cérébraux (AVC) et la réduction de leur impact, en contribuant activement à l'avancement de la recherche et sa mise en application, à la promotion de modes de vie sains, et à la représentation auprès des instances responsables des politiques de santé.



The Heart and Stroke Foundation, a research leader

Message from the Chair, Research Policy and Planning Advisory Committee

I am proud to present the 2005-2006 Heart and Stroke Foundation of Canada Research Report, which details the Foundation's investments in research across Canada. The Heart and Stroke Foundation (HSF) investigators and trainees listed in this report are leaders in finding the answers we need to eliminate heart disease and stroke and reduce their impact.

For over 50 years, HSF has funded life-saving research to reduce the burden of heart disease and stroke. Thanks to the generous donations of Canadians, HSF's overall investment in 2005-2006 was more than \$44,903,997.

HSF supports investigator-initiated core research funding through Grants-in-Aid and Personnel Awards. Through the Federation Research Fund (representing approximately 10 percent of overall research investment), HSF supports strategic research focused on mission priorities: currently stroke, obesity and resuscitation.

Our research activities cover the spectrum of prevention, treatment and discovery across the four health research themes: *basic biomedical, clinical, health services/systems, and population health*.

In 2005-2006, Scientific Review Committee (SRC) Chair Dr. Grant Pierce and Vice Chair Dr. Heather Arthur provided leadership to over 1000 volunteer researchers and lay reviewers nationally and internationally. Thanks to the dedication and expertise of all our reviewers, HSF funds the highest standard of scientific excellence.

As HSF continues to expand research horizons, the Research Policy and Planning Advisory Committee (RPPAC) is overseeing implementation of the Federation Research Fund's managed research cycle. Consensus conferences on obesity and resuscitation held this year provide the groundwork for launching strategic research initiatives aligned with mission priorities. I would like to thank Vice Chair Dr. Robert Côté and the diverse volunteer members of RPPAC for their vision and commitment.

Moving forward, HSFC is building more knowledge exchange into all our research programs. We are committed to doing everything we can to ensure that the answers we find through research make a difference. As you will see in this report, the potential is extraordinary.



Carolyn Brooks
Chair, Research Policy and Planning Advisory Committee
(2005-2007)

La Fondation des maladies du cœur, un leader de la recherche

Message de la présidente du Comité consultatif sur les politiques et la planification de la recherche

Je suis fière de présenter le rapport de recherche 2005-2006 de la Fondation des maladies du cœur du Canada, qui décrit en détail l'investissement de la Fondation envers la recherche dans tout le pays. Les chercheurs et stagiaires de la Fondation des maladies du cœur (FMC) dont les noms sont mentionnés dans ce rapport œuvrent pour trouver des solutions qui élimineront les maladies du cœur et les accidents vasculaires cérébraux (AVC) et réduiront leur impact, une lutte dont ils sont d'ailleurs les chefs de file.

Depuis plus de 50 ans, la FMC finance des recherches importantes destinées à alléger le fardeau des maladies du cœur et des AVC. Grâce aux généreux dons des Canadiens et des Canadiennes, l'investissement global de la FMC en 2005-2006 a dépassé 44 903 997 de dollars.

La FMC appuie la recherche proposée par les chercheurs avec des subventions et des bourses. Par l'entremise du Fonds de recherche de la Fédération (qui représente environ 10 % de son investissement total envers la recherche), la FMC appuie la recherche stratégique qui porte sur les priorités de sa mission, comme présentement les AVC, l'obésité et la réanimation.

Nos activités de recherche couvrent la gamme complète de la prévention, du traitement et de la découverte scientifique touchant aux quatre thèmes de la recherche en santé : *science biomédicale fondamentale, clinique, services et systèmes de santé et santé de la population*.

En 2005-2006, le Comité d'examen scientifique (CES), par l'entremise de son président Dr Grant Pierce et de sa vice-présidente Dre Heather Arthur, a dirigé quelque 1000 chercheurs bénévoles et examinateurs profanes à l'échelle nationale et internationale. Leur dévouement et leur expertise permet à la Fondation de financer les travaux du plus haut degré d'excellence scientifique.

Alors que la FMC continue d'étendre ses horizons de recherche, le Comité consultatif sur les politiques et la planification de la recherche (CCPPR) supervise l'application du cycle de gestion de la recherche du Fonds de recherche de la Fédération. Des conférences consensuelles sur l'obésité et la réanimation ont été organisées cette année afin d'offrir un point de départ à d'autres initiatives de recherche stratégique conformes aux priorités de la mission. J'aimerais remercier le vice-président Dr Robert Côté et les divers membres bénévoles du CCPPR de leur vision et de leur engagement.

La FMC développe de plus en plus de transfert de connaissances dans chacun de ses programmes de recherche. Nous nous efforçons de faire tout en notre pouvoir pour nous assurer que les réponses que nous trouvons grâce à la recherche puissent faire une différence. Comme vous le constaterez à la lecture de ce rapport, leur potentiel est considérable.



Carolyn Brooks
Président, Comité consultatif sur les politiques et la planification
de la recherche (2005-2007)

Highlights of the Report

This document is a tool for the research community, other research funding agencies, academic institutions and the volunteers and staff across the Foundation. It captures the research investment made in 2005-2006 at all levels of the Foundation and across all funding programs to illustrate the Heart and Stroke Foundation's research investments.

This report covers the period of July 1, 2005 to June 30, 2006 and is a snapshot of spending during that period. The figures presented here comprise both ongoing funding and new additions from the 2004 competitions. (Note: Most projects and awards funded by the Foundation extend beyond one year.)

Since 1956, Heart and Stroke Foundation research has led the way toward greater understanding of the root causes of heart disease and stroke. The Foundation continues to expand its support of heart and stroke research to help ensure that research findings are translated as quickly as possible into clinical practice and, ultimately, improve health outcomes for Canadians. This is being facilitated through new funding programs and mechanisms, such as the strategic Federation Research Fund.

In 2005/2006, the Foundation's overall investment topped \$44,903,997 (see Table 1). The total number of awards supported during this reporting period was 866 (500 Grants-in-Aid, 237 Personnel Awards, 114 Federation Research Fund, and 15 provincial programs). The primary mechanisms for supporting research are: Grants-in-Aid (66%), Personnel Awards (19%), the strategic Federation Research Fund (9%), and provincial programs (6%). Investments in investigator-initiated Grants-in-Aid represent the majority of HSF spending. Grants-in-Aid are funded provincially by the respective provincial Heart and Stroke Foundations. Personnel Awards (New Investigator, Research Fellowship, Nursing Research Fellowship, Doctoral Research Award and Visiting Scientist), as well as the Federation Research Fund, are managed nationally by the Heart and Stroke Foundation of Canada.

The Federation Research Fund represents 9% of the Foundation's annual research investment (see figure A). The Fund, created in 2000, is a mechanism for supporting research in specific areas of priority for the Foundation. Donor dollars are leveraged through partnership initiatives with funding agencies (such as the Canadian Institutes of Health Research) or other organizations with shared priorities. Appendix C outlines the initiatives and projects supported through the Fund.

Table 2 highlights the type of research awards supported by each provincial Foundation and nationally.

Figure B, C, D shows the relative proportion of research funded within each of the following four health research pillars: basic biomedical, clinical, health services/health systems, and population health. While most projects overlap more than one "theme" or "pillar," these figures are meant to show trends.

A detailed listing of the researchers and research projects supported through Grants-in-Aid, Personnel Awards, and the Federation Research Fund is provided in this report. The Foundation's support is far-reaching and ranges across the spectrum of research.

Faits saillants du rapport

Ce document se veut un outil à l'intention de la communauté des chercheurs, des autres organismes de financement de la recherche, des universités ainsi que des bénévoles et du personnel de la Fondation. Il décrit les sommes investies pendant l'année 2005-2006 par l'ensemble de la Fondation et par le biais de ses programmes de financement, afin d'illustrer l'apport de la Fondation des maladies du cœur à la recherche.

Le présent rapport couvre la période du 1^{er} juillet 2005 au 30 juin 2006 et donne un aperçu des dépenses encourues au cours de cette période. Les montants inscrits comprennent à la fois le financement continu et les ajouts provenant des concours de 2004. (À noter : la plupart des projets et des bourses financés par la Fondation s'étendent sur plus d'une année.)

Depuis 1956, la recherche appuyée par la Fondation des maladies du cœur a ouvert la voie vers une meilleure compréhension des causes fondamentales des maladies du cœur et des accidents vasculaires cérébraux (AVC). La Fondation continue d'accroître son appui à la recherche cardiovasculaire et vasculaire cérébrale. Elle s'assure ainsi que les découvertes des chercheurs soient traduites en pratique clinique aussi rapidement que possible, pour offrir, en bout de ligne, de meilleurs soins de santé aux Canadiens et aux Canadiennes. Cette tâche est facilitée par la création de nouveaux programmes et mécanismes de financement stratégiques comme le Fonds de recherche de la Fédération.

Au cours de l'exercice de 2005-2006, l'investissement global de la Fondation a dépassé les 43 724 738 \$ (voir le tableau 1). Le nombre total de bourses financées durant la période dont il est question dans ce rapport était de 850 (soit 484 subventions, 237 bourses aux chercheurs, 114 Fonds de recherche de la Fédération et 15 programmes provinciaux). Les principales formes d'appui à la recherche sont les suivantes : les subventions (66 %), les bourses (19 %), le Fonds de recherche de la Fédération (9%) et les programmes provinciaux (6%). Les sommes investies pour subventionner les projets proposés par les chercheurs représentent la majeure partie des dépenses de la FMC. Les subventions qui sont accordées à l'échelle provinciale sont financées par la Fondation des maladies du cœur de chaque province. Les bourses (nouveau chercheur, perfectionnement en recherche, recherche en sciences infirmières, recherche au doctorat et chercheur invité), de même que le Fonds de recherche de la Fédération, sont gérées à l'échelle nationale par la Fondation des maladies du cœur du Canada.

Le Fonds de recherche de la Fondation des maladies du cœur représente 9 % de l'investissement annuel en recherche (voir la figure A). Le Fonds, créé en 2000, est un mécanisme destiné à soutenir la recherche dans des domaines spécifiques prioritaires pour la Fondation. L'argent des donateurs est fructifié grâce à des initiatives de partenariats avec des organismes de financement (comme les Instituts de recherche en santé du Canada) ou d'autres organismes de bienfaisance partageant ces priorités. L'annexe C décrit ces initiatives ainsi que les projets financés par l'entremise du Fonds.

Le tableau II décrit les types de bourses de recherche financés par chaque fondation provinciale ainsi qu'à l'échelle nationale.

Highlights of the Report (cont'd)

The Scientific Peer Review Process

The Heart and Stroke Foundation's Scientific Review Committee is responsible for one of the most important functions of the organization, the scientific peer review process. This year, 155 of Canada's top cardiovascular and cerebrovascular scientists were members of the 12 peer review committees which make up the Scientific Review Committee. Each reviewer contributes their time and expertise to ensure the Foundation funds applicants who meet the highest standards of excellence. The Scientific Review Committee, along with the input of hundreds of external reviewers, evaluates each application.

Following the adjudication of applications, the Heart and Stroke Foundation of Canada office administers the Personnel Awards (New Investigator, Research Fellowship, Nursing Research Fellowship, Doctoral Research Award and Visiting Scientist). For the Grant-in-Aid, the associated provincial Foundations administer the program. Final funding decisions for Grant-in-Aid applications are made by the provincial Foundation from where the grant originated.

Peer review for projects supported through the Federation Research Fund is conducted by the lead partner organization for each initiative.

Glossary of terms:

Grants-in-Aid – A grant to support the operating costs of conducting research, including laboratory supplies, technicians, and some equipment (amounts vary, but typically range from \$14,000, to a maximum of \$200,000 per year).

New Investigator – A salary award to support new investigators who wish to establish their own independent research laboratory (\$50,000 per year for five years, plus obligatory benefits).

Research Fellowship – A training award for applicants who have completed a professional degree: MD or PhD (up to \$50,000 per year for two or three years).

Doctoral Research Award – A training award for graduate students enrolled in a PhD program who are undertaking full-time research training (\$21,000 per year for up to three years).

Nursing Research Fellowship – A training award for nursing researchers enrolled in an MSc/MA, PhD, or research fellowship program (\$25,000 per year for up to three years).

Visiting Scientist – A salary/travel award that enables established investigators who visit another institution to develop and share research expertise.

In addition to the categories above, some of the provincial Heart and Stroke Foundations offer Career Investigator Awards, Summer Student Scholarships, and other specific grants within their provinces. Table 2 highlights these special programs and the amount of funding available.

Details and application information for all funding opportunities are available on our research web site: www.hsf.ca/research.

Faits saillants du rapport (suite)

Les figures B, C et D établissent la proportion relative au financement de chacun des quatre piliers de recherche suivants : recherche biomédicale fondamentale, recherche clinique, services et systèmes de santé, et santé de la population. Bien que la plupart des projets traitent de plus d'un de ces « thèmes » ou « piliers », ces tableaux illustrent bien les tendances.

La liste détaillée des chercheurs et des projets de recherche financés par les subventions, les bourses et le Fonds de recherche de la Fédération est incluse dans ce rapport. Le soutien financier de la Fondation s'étend à la gamme complète des activités de recherche.

Processus d'examen par les pairs

Le Comité d'examen scientifique de la Fondation des maladies du cœur est responsable de l'une des plus importantes tâches de toute l'organisation, soit le processus d'examen scientifique par les pairs. Cette année, 155 des plus éminents chercheurs du domaine cardiovasculaire et vasculaire cérébral au Canada ont fait partie des comités d'examen par les pairs qui composent le Comité d'examen scientifique. Chaque examinateur fait don de son temps et de son expertise afin de s'assurer que la Fondation finance les candidats qui rencontrent les plus hautes normes d'excellence. Le Comité d'examen scientifique travaille conjointement avec les centaines d'examineurs externes pour évaluer chaque demande.

Une fois le processus d'évaluation des demandes terminé, le bureau de la Fondation des maladies du cœur du Canada gère les bourses (nouveau chercheur, perfectionnement en recherche, recherche en sciences infirmières, recherche au doctorat et chercheur invité). Quant aux subventions, elles sont administrées par les fondations provinciales. Les décisions finales relatives au financement de ces subventions sont prises par la fondation de la province d'où proviennent les demandes sélectionnées.

L'examen par les pairs, dans le cadre des projets financés par l'entremise du Fonds de recherche de la Fédération, est mené par le principal organisme partenaire de chaque initiative.

Glossaire :

Subventions : octrois destinés à couvrir les coûts d'opération de la recherche, comme les fournitures de laboratoire, les techniciens et une partie de l'équipement (les montants peuvent varier, mais se situent habituellement entre 14 000 \$ et 200 000 \$ par année).

Bourse de nouveau chercheur : bourse salariale destinée à appuyer de jeunes chercheurs désireux de démarrer leur laboratoire de recherche indépendant (50 000 \$ par année pendant cinq ans, en plus des avantages obligatoires).

Bourse de perfectionnement en recherche : bourse de formation pour les candidats ayant obtenu leur titre professionnel M.D. ou Ph.D. (jusqu'à concurrence de 50 000 \$ par année pendant deux ou trois ans).

Bourse de recherche au doctorat : bourse de formation destinée aux diplômés des cycles supérieurs inscrits à un programme de Ph.D., qui entreprennent une formation à temps complet en recherche (21 000 \$ par année jusqu'à concurrence de trois ans).

Perfectionnement en recherche en sciences infirmières : bourse de formation pour les chercheurs en sciences infirmières inscrits à un programme de maîtrise ou de doctorat (M.A., M.Sc. ou Ph.D.) ou à un programme de perfectionnement en recherche (25 000 \$ par année jusqu'à concurrence de trois ans).

Highlights of the Report (cont'd)

Faits saillants du rapport (suite)

Bourse pour chercheur invité : bourse salariale ou de déplacement qui permet à des chercheurs émérites de visiter un autre établissement afin de développer et de partager des connaissances en recherche.

En plus des catégories mentionnées ci-dessus, certaines fondations provinciales offrent des bourses aux chercheurs de carrière, des bourses d'été pour étudiants et d'autres subventions spécifiques, propres à leur province. Le tableau 2 énumère ces programmes ainsi que le montant du financement disponible.

Les détails et les directives pour présenter une demande spécifique à chaque possibilité de financement sont accessibles sur notre site Web dédié à la recherche : www.hsf.ca/research.

Table 1
Heart and Stroke Foundation
Provincial and National Research Spending
2005/2006

Tableau 1
Fondation des maladies du cœur
Dépenses provinciales et nationales en recherche
pour 2005-2006

Foundation/Fondation	Grants-in Aid Subventions		Personnel Awards Bourse		Foundation Research Fund/ Fonds de recherche de la Fédération		Other Autres		Total
	#	(\$)	#	(\$)	#	(\$)	#	(\$)	(\$)
Alberta	67	3,488,045	-	-	-	-	-	-	3,488,045
British Columbia/Colombie-Britannique	41	3,352,127	2	77,300	-	-	1	\$80,000	3,509,427
Manitoba	24	849,200	-	-	-	-	-	-	849,200
New Brunswick/Nouveau-Brunswick	8	419,900	-	-	-	-	-	-	419,900
Newfoundland	-	-	-	-	-	-	-	-	0
Nova Scotia/Nouvelle-Écosse	12	498,279	-	-	-	-	-	-	498,279
Ontario	248	19,382,428	73	3,587,150	-	-	12	\$2,513,692	25,483,270
Prince Edward Island	-	-	-	-	-	-	2	\$15,000	15,000
Quebec/Québec	87	1,208,506	-	-	-	-	-	-	1,208,506
Saskatchewan	13	713,328	-	-	-	-	-	-	713,328
Subtotal/Sous-total	500	\$29,911,813	75	\$3,664,450	0	\$0	15	\$2,608,692	\$36,184,955
National Personnel Awards Program/ Programme national de bourses	-	-	162	4,781,469	-	-	-	-	4,781,469
Federation Research Fund/ Fonds de recherche de la Fédération	-	-	-	-	114	3,937,573	-	-	3,937,573
TOTAL	500	\$29,911,813	237	\$8,445,919	114	\$3,937,573	15	\$2,608,692	\$44,903,997

Figure A
Heart and Stroke Foundation
Research Expenditures by Award Type
2005/2006

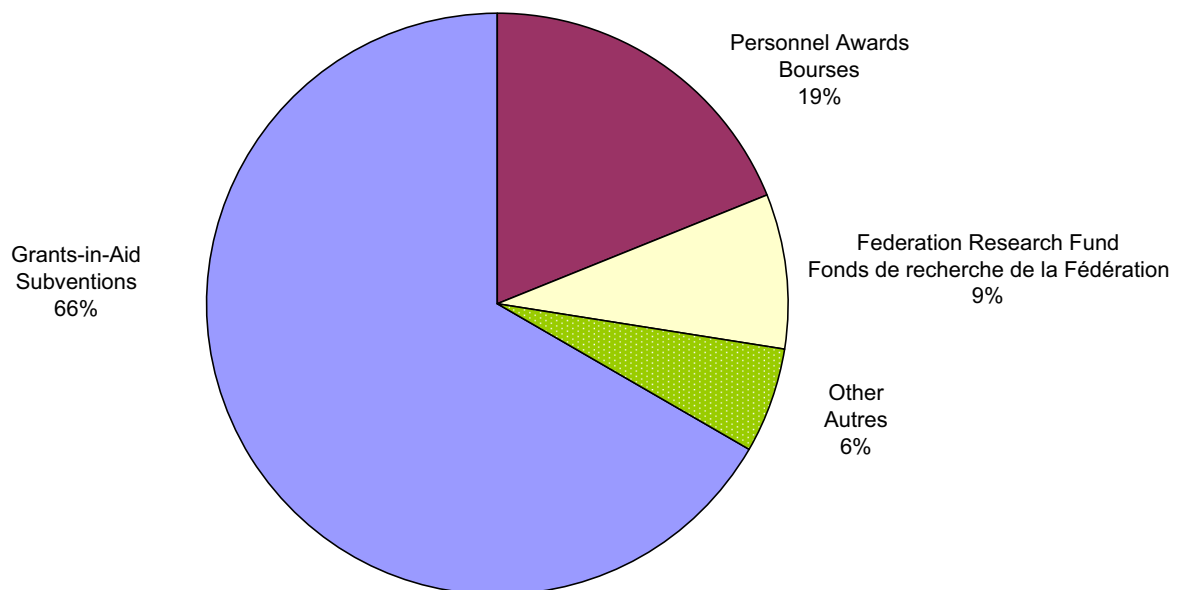


Figure A
Fondation des maladies du cœur
Investissement en recherche par type de bourse
pour 2005-2006

* Expenditures represent percentage of annual research budget allocation.

* Les dépenses représentent le pourcentage du budget annuel de recherche.

Table 2

Heart and Stroke Foundation

Provincial and National Programs**2005/2006****Tableau 2**

Fondation des maladies du cœur

Programmes nationaux et provinciaux**pour 2005-2006**

Province		# of Awards	Amount (\$)	Total (\$)
Alberta				
	<i>Grants-in-Aid/Subventions</i>	67	3,488,045	3,488,045
British Columbia/Colombie-Britannique				
	<i>Grants-in-Aid/Subventions</i>	41	3,352,127	
	<i>Program Grants/Subventions de programme</i>	1	80,000	
	<i>Career Investigators/Bourse de chercheur de carrières</i>	1	76,050	
	<i>Research Fellowships/Bourse de nouveau chercheur</i>	1	1,250	3,509,427
Manitoba				
	<i>Grants-in-Aid/Subventions</i>	24	849,200	849,200
New Brunswick/Nouveau-Brunswick				
	<i>Grants-in-Aid/Subventions</i>	8	419,900	419,900
Newfoundland/				
	<i>Grants-in-Aid/Subventions</i>	0	0	0
Nova Scotia/Nouvelle-Écosse				
	<i>Grants-in-Aid/Subventions</i>	12	498,279	498,279
Ontario				
	<i>Grants-in-Aid/Subventions</i>	248	19,382,428	
	<i>Program Grants/ Subventions de programme</i>	6	1,239,915	
	<i>Health Behaviour Research Initiative GIAs/ Initiative de recherche sur la santé et les habitudes de vie (subvention)</i>	4	708,616	
	<i>Stroke Rehabilitation/Réadaptation après un AVC</i>	1	98,669	
	<i>Age 45+ with Elevated Systolic Blood Pressure/ 45 ans et plus avec tension artérielle systolique élevée</i>	1	392,600	
	<i>Distinguished Scientists/Chercheur émérite</i>	4	80,000	
	<i>Career Investigators/Bourse de chercheur de carrière</i>	27	2,374,650	
	<i>New Investigators/Bourses de nouveau chercheur</i>	1	59,000	
	<i>Research Fellowships/Bourse de nouveau chercheur</i>	0	0	
	<i>Nursing Post-Doctoral Research Fellowship</i>	2	118,000	
	<i>Masters Students/Étudiants à la maîtrise</i>	39	702,000	
	<i>Summer Student Scholarships/Bourse d'étudiant d'été</i>		253,500	
	<i>Publication cost, etc./Coût de publications, etc.</i>		73,892	25,483,270
Prince Edward Island				
	<i>Grants-in-Aid/Subventions</i>	0	0	
	<i>Project Grants/Subventions de projet</i>	2	15,000	15,000
Quebec/Québec				
	<i>Grants-in-Aid/Subventions</i>	87	1,208,506	1,208,506
Saskatchewan				
	<i>Grants-in-Aid/Subventions</i>	13	713,328	713,328
	Subtotal/Total partiel	590	36,184,955	36,184,955
	National Personnel Awards Program/Programme national de bourses	162	4,781,469	4,781,469
	Federation Research Fund/Fonds de recherche de la Fédération	114	3,937,573	3,937,573
	TOTAL	866		\$44,903,997

Table 3

Heart and Stroke Foundation

**National Personnel Programs by Theme
2005/2006**

Type of Award Type d'aide	# Nbre	Basic Biomedical Biomédicale fondamentale	# Nbre	Clinical Clinique	# Nbre	Health Services Services de santé	# Nbre	Population Health Santé de la Population	# Nbre total	Total
Nursing Research Fellowships Bourses de perfectionnement en sciences infirmières	0	0	5.0	108,333	3.0	39,583	0	0	8.0	147,916
Research Fellowships Bourses de perfectionnement en recherche	57.8	1,883,966	6.6	246,333	0	0	1.6	53,333	66.0	2,183,632
Doctoral Research Awards Bourses de recherche au doctorat	53.4	971,013	5.4	90,325	0	0	1.3	5,250	60.0	1,066,588
New Investigators Bourses de nouveau chercheur	23.0	1,158,333	2.5	132,500	0	0	1.5	82,500	27.0	1,373,333
Obligatory Benefits Bénéfices obligatoires		19,000		4,000		0		0		23,000
Visiting Scientists Bourses de chercheur invité	1.0	10,000	0	0	0	0	0	0	1.0	10,000
Travel Allowance (Average) Allocation de déplacement (moyenne)		66,294		8,902		1,500		1,105		100,802
TOTAL	135.2	\$4,108,606	19.5	\$590,393	3.0	\$41,083	4.4	\$142,189	162.0	\$4,905,271

Tableau 3

Fondation des maladies du cœur

**Programmes du personnel national par thème
pour 2005-2006**

Note: Many projects can be classified in two or more research themes, depending on interpretation. This summary is intended to show broad trends in funding across the four areas.

Note: Plusieurs projets peuvent être classés sous deux thèmes ou plus, selon l'interprétation. Ce sommaire sert à l'indiquer les grands courants de financement dans ces quatre domaines.

Figure B

Heart and Stroke Foundation

**National Personnel Awards by Theme
2005/2006**

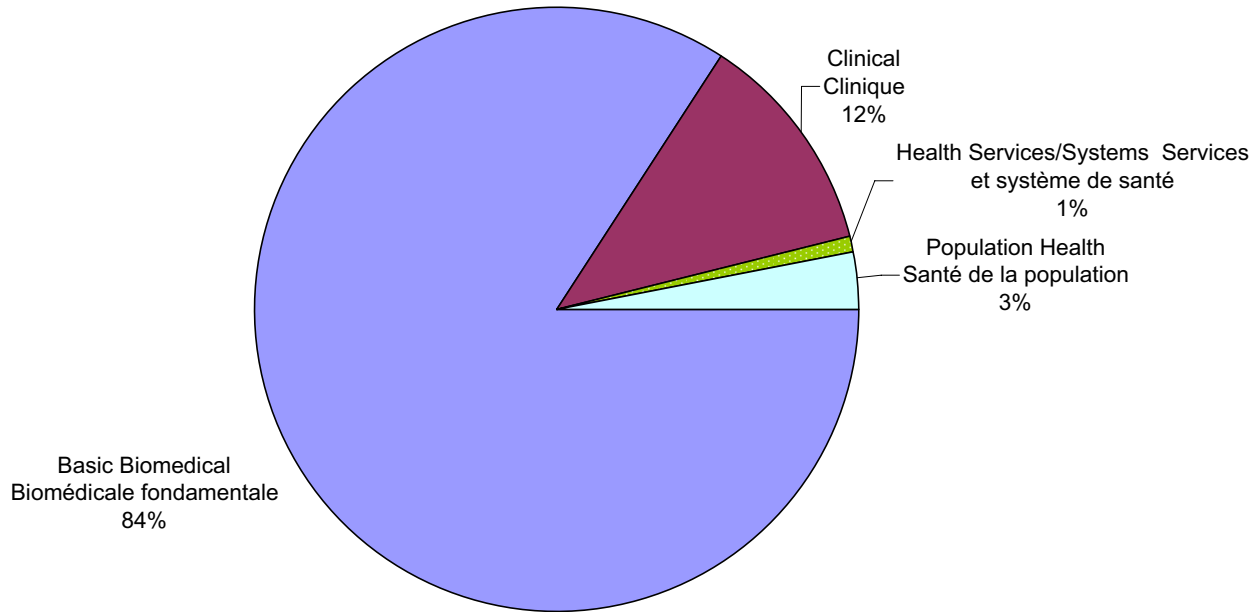


Figure B

Fondation des maladies du cœur

**Bourses nationales par thème
pour 2005-2006**

Figure C

Heart and Stroke Foundation

**Grant-in-Aid Funding by Theme
2005/2006**

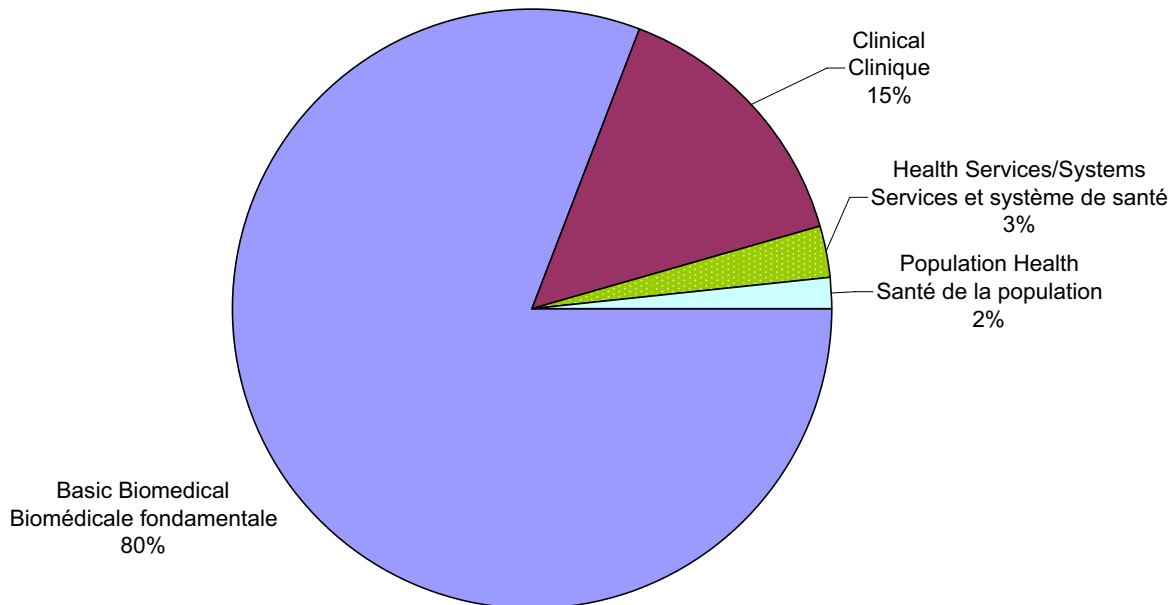


Figure C

Fondation des maladies du cœur

**Financement des subventions par thème
pour 2005-2006**

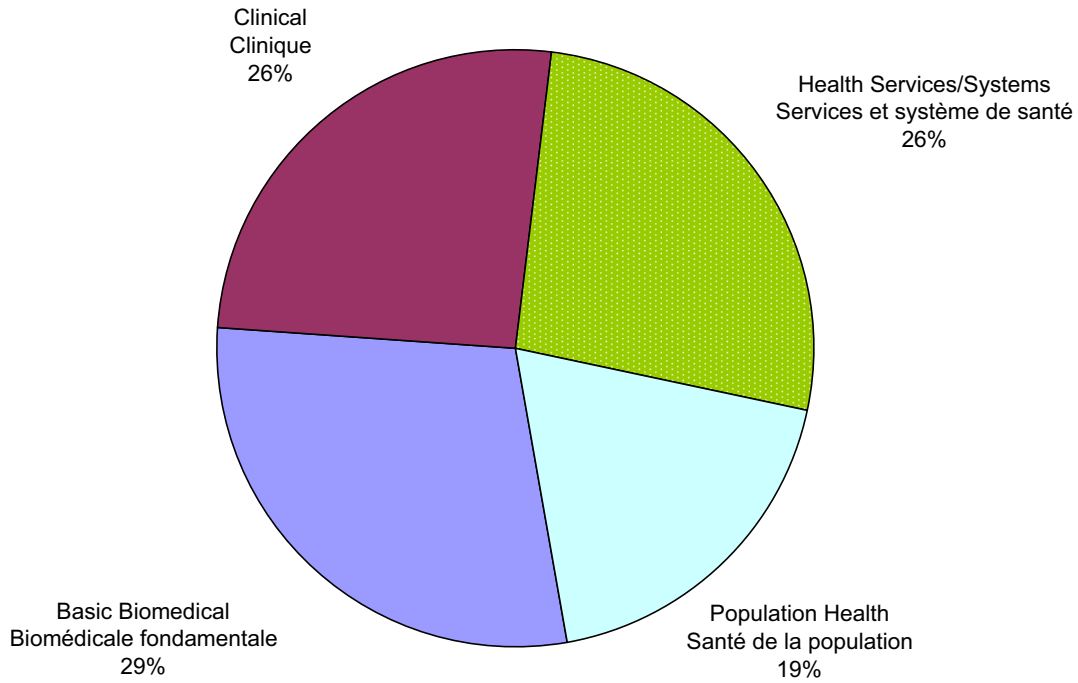
Note: Many projects can be classified in two or more research themes, depending on interpretation. This summary is intended to show broad trends in funding across the four areas.

Note: Plusieurs projets peuvent être classés sous deux thèmes ou plus, selon l'interprétation. Ce sommaire sert à l'indiquer les grands courants de financement dans ces quatre domaines.

Figure D

Heart and Stroke Foundation

Federation Research Fund Awards by Theme 2005/2006



Note: Many projects can be classified in two or more research themes, depending on interpretation. This summary is intended to show broad trends in funding across the four areas.

Figure D

Fondation des maladies du cœur

Fonds de recherche de la Fédération pour 2005-2006

Note: Plusieurs projets peuvent être classés sous deux thèmes ou plus, selon l'interprétation. Ce sommaire sert à l'indiquer les grands courants de financement dans ces quatre domaines.

Appendix **A**
Annexe

**GRANTS-IN-AID BY PROVINCE
SUBVENTIONS PAR PROVINCE**

Alberta

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Anderson, Todd	Foothills Hospital	HDL modulation and endothelial function.	<i>Endothelium, cholesterol, HDL, atherosclerosis, vascular biology.</i>	\$90,000	II
Barber, Philip A.	University of Calgary	The characterisation of the neuroinflammatory endothelial response to ischemia/reperfusion by magnetic resonance molecular imaging (MRMI).	<i>Cerebral ischemia, neuroinflammation, magnetic resonance molecular imaging.</i>	\$49,000	I
Beaulieu, Christian	University of Alberta	Advanced MRI methods for brain evaluation in acute stroke.	<i>Magnetic resonance imaging, acute stroke, diffusion, perfusion, human brain.</i>	\$49,000	I
Braun, Andrew P.	University of Calgary	Integrin signalling and regulation of large conductance, Ca-activated K+ channels in smooth muscle.	<i>Vascular contractility, integrin signalling, Ca-activated K+ channels, tyrosine phosphorylation.</i>	\$49,000	I
Brindley, David N.	University of Alberta	Regulation of smooth muscle cell migration and division by sphingosine 1-phosphate.	<i>Angiogenesis, atherosclerosis, EDG receptors, platelet derived growth factor, sphingosine-1-phosphate.</i>	\$49,000	I
Casey, Joseph R.	University of Alberta	Cl / HCO3 Exchangers in cardiac ischemia and hypertrophy.	<i>Chloride / bicarbonate exchange, pH regulation, hypertrophy, ischemia, bicarbonate transport.</i>	\$52,000	I
Chen, S.R. Wayne	University of Calgary	Structure and function of the trout cardiac ryanodine receptor: insight into the molecular basis of spontaneous Ca2+ release.	<i>Cardiac arrhythmia, EC coupling, sarcoplasmic reticulum, Ca2+ release, ryanodine receptor, single channel recordings, cDNA cloning.</i>	\$57,000	I
Chen, Xing-Zhen; Wang, Shaohua	University of Alberta	Roles of polycystin-2 in vascular endothelial cells.	<i>Polycystin-2, endothelial cells, shear stress, blood vessels, electrophysiology.</i>	\$49,000	I
Cheung, Po-Yin	University of Alberta	The use of supplemental oxygen in the resuscitation of asphyxiated newborns.	<i>Newborn, hypoxia-reoxygenation, resuscitation, hemodynamics, swine.</i>	\$52,000	I
Childs, Sarah	University of Calgary	Identifying genetic pathways for the susceptibility to hemorrhage during early development.	<i>Angiogenesis, development, genetics, zebrafish, hemorrhage.</i>	\$57,000	I
Cole, William C.	University of Calgary	Vascular smooth muscle ATP-sensitive potassium channels.	<i>Vascular smooth muscle, ATP-sensitive K+c hannels, PKC, PKA, Kir6.1, SUR2B.</i>	\$44,000	I
Demchuk, Andrew M.	Foothills Medical Centre	Monitor QCP - Modeling the evolution of infarcting tissue in the setting of occlusion and recanalization using quantified cerebral perfusion.	<i>Stroke, middle cerebral artery occlusion, magnetic resonance imaging, cerebral blood flow.</i>	\$57,000	II
Dyck, Jason	University of Alberta	The effects of the PRKAG2 mutations of cardiac energy metabolism.	<i>AMPK, glycogen, cardiac energy metabolism, PRKAG2 mutations, Wolff-Parkinson-White syndrome.</i>	\$57,000	I
Exner, Derek V.	University of Calgary	Risk estimation following infarction, noninvasive evaluation (REFINE).	<i>Sudden death, noninvasive assessment, Holter monitoring, autonomic testing, cohort.</i>	\$49,000	II
Francis, Gordon A.	University of Alberta	Apolipoprotein-mediated lipid efflux from arterial smooth muscle cells.	<i>Apolipoproteins, smooth muscle cells, atherosclerosis, cholesterol, HDL.</i>	\$57,000	I
Frayne, Richard; Mahallati, Houman	Foothills Hospital	Large Field of View (LFOV) Magnetic Resonance Angiography (MRA) for rapid assessment of Peripheral Arterial Disease (PAD).	<i>Magnetic Resonance Angiography (MRA), Peripheral Arterial Disease (PAD), vascular imaging, atherosclerosis.</i>	\$57,000	I
French, Robert J.	University of Calgary	Molecular bases of sodium channel isoform-specific drug targeting.	<i>Sodium channels, conotoxins, channel block, drug specificity, antiarrhythmic, anticonvulsant, local anaesthetic.</i>	\$57,000	I
Goodyear, Bradley G.	University of Calgary	Functional magnetic resonance imaging techniques to assess recovery after ischemic stroke.	<i>Functional magnetic resonance imaging, ischemic stroke, perfusion, functional recovery, functional reorganization.</i>	\$49,000	I

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Haykowsky, Mark J; Tymchak, Wayne J.	University of Alberta	Effects of exercise training on peak aerobic power, cardiovascular and musculoskeletal performance and quality of life in cardiac transplant recipients.	<i>Cardiac rehabilitation, exercise testing & prescription, cardiovascular skeletal muscle function, cardiac transplantation.</i>	\$49,000	II
Hill, Michael D.	University of Calgary	Tissue window in stroke thrombolysis study.	<i>Acute ischemic stroke, thrombolysis, computed tomography, neurovascular imaging.</i>	\$47,500	II
Jacobs-Kaufman, Susan E.	University of Alberta	Splenic function in portal hypertension.	<i>Splanchnic, liver, spleen, blood volume, blood pressure, reflex.</i>	\$57,000	I
Jeerakathil, Thomas J.; Shuaib, Ashfaq	University of Alberta	Stroke incidence and mortality in first nations residents of Saskatchewan: the influence of geographic location, socioeconomic status, and the use of health care services.	<i>Stroke, incidence, mortality, aboriginal, socioeconomic.</i>	\$6,000	IV
Jhamandas, Jack H.	University of Alberta	Role of RFamide peptides in central cardiovascular and neuroendocrine regulation.	<i>Neuropeptide FF, prolactin-releasing peptide, hypothalamus, patch clamp, immunocytochemistry.</i>	\$57,000	I
Jugdutt, Bodh I.	University of Alberta	Vasopeptidase inhibition and AT1 receptor blockade in remodeling after reperfused MI.		\$49,000	I, II
Kargacin, Gary J.	University of Calgary	Effects of estrogenic compounds on the cardiovascular system.	<i>Cardiac muscle, smooth muscle, sarcoplasmic reticulum, estrogenic compounds, calcium.</i>	\$52,000	I
Kargacin, Margaret E.	University of Calgary	Regulation of sarcoplasmic reticulum calcium transport in cardiac muscle.	<i>Ca²⁺ homeostasis, cardiac sarcoplasmic reticulum, ion transport, Ca-ATPase, phospholamban.</i>	\$30,000	I
Kavanagh, Katherine M.	University of Alberta	The electrophysiological properties of the myocardial substrate in health and disease.	<i>Arrhythmias, electrophysiology, cardiac mapping, heart failure, myocardial substrate.</i>	\$49,000	I
Kennedy, James	University of Calgary	Fast assessment of stroke and transient ischemic attack to prevent early recurrence (FASTER) trial.	<i>TIA, stroke prevention, clinical trials.</i>	\$49,000	I
Krukoff, Teresa L.	University of Alberta	Adrenomedullin and regulation of autonomic function.	<i>Adrenomedullin, rostral ventrolateral medulla, autonomic, brain, blood pressure, baroreflex, nitric oxide, calcium.</i>	\$30,000	I
Kubes, Paul	University of Calgary	Role of LSP-1 in neutrophil transendothelial migration.	<i>Adhesion, inflammation, microvasculatures, selectins, integrin.</i>	\$49,000	II
Lehner, Richard	University of Alberta	Triacylglycerol synthesis.	<i>Triacylglycerol, acyltransferase, obesity, VLDL, atherosclerosis</i>	\$54,000	I
Light, Peter E.	University of Alberta	Wolff-Parkinson-White syndrome, AMP-activated protein kinase mutations and cardiac excitability.	<i>AMPK. Wolff-Parkinson-White syndrome, arrhythmias, sodium channels, patch clamp.</i>	\$31,545	I
Loutzenhiser, Rodger D.	University of Calgary	Calcium-induced Ca release in the renal afferent arteriole.	<i>Renal hemodynamics, vascular smooth muscle, Ca signaling, microcirculation.</i>	\$57,000	I
Lytton, Jonathan	University of Calgary	Molecular regulation of SERCA calcium pumps.	<i>Molecular biology, calcium signaling, structure-function, ion transport.</i>	\$52,000	I
MacDonald, Justin A.	University of Calgary	Characterization of CHASM involvement in cGMP-evoked calcium desensitization in vascular smooth muscle.	<i>Calcium desensitization, smooth muscle tone, nitric oxide, cGMP-dependent protein kinase, signal transduction.</i>	\$52,000	I
McAlister, Finlay A; Ghali, William; Graham, Michelle M.; Grimshaw, Jeremy; Majumdar, Sumit; Tsuyuki, Ross T.	University of Alberta	Enhancing the use of secondary prevention strategies in patients with coronary artery disease (the ESP-CAD Trial).	<i>Secondary prevention, coronary artery disease, evidence-based medicine.</i>	\$45,000	III
Metz, Gerlinde A.S.	University of Lethbridge	Physiological influences on recovery from stroke.	<i>Motor system stress, rat model, focal cortical ischemia, skilled movement.</i>	\$30,000	I, II, IV

Themes I: Basic Biomedical
Thèmes I: Biomédicale fondamentale

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IV: Santé de la population

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Michelakis, Evangelos D.	University of Alberta Hospital	The safety, efficacy and mechanism of action of phosphodiesterase inhibitors in human pulmonary arterial hypertension: a translational approach.		\$90,000	I
Mitchell, J. Ross R.	Foothills Hospital	Advanced medical image processing and analysis to identify salvageable tissue in acute ischemic stroke.		\$49,000	I
Murray, Allan G.	University of Alberta	The role of protease activated receptors in blood vessel inflammation.	<i>Vasculitis, endothelium vascular, thrombin receptors, glomerulonephritis adhesion molecules.</i>	\$52,000	I
Nygren, Anders	University of Calgary	Computational and experimental investigation of the effects of spatial heterogeneity of refractoriness on inducibility and maintenance of atrial fibrillation in the mouse atria.	<i>Atrial fibrillation, mouse atrium, computer models, optical mapping, dispersion of refractoriness.</i>	\$49,000	I
Patel, Kamala D.; Colarusso, Giuseppina T.	University of Calgary	Mechanotransduction in early atherosclerosis.	<i>Atherosclerosis, mechanotransduction, VCAM-1, shear stress, adhesion.</i>	\$57,000	I
Proctor, Spencer D.; Russell, James C.	University of Alberta	Significance of pharmaceutical mechanisms of action to attenuate atherosclerosis associated with obesity and insulin resistance.	<i>Type-2 diabetes, atherosclerosis, lipid deposition, vascular dysfunction, pharmaceutical intervention.</i>	\$52,000	I
Severson, David L.	University of Calgary	Mechanisms of diabetic cardiomyopathy.		\$57,000	I
Shimoni, Yakhin	University of Calgary	Chamber-specific modulation of cardiac potassium currents.	<i>Diabetes, potassium currents, autocrine, natriuretic peptides, angiotensin.</i>	\$49,000	I
Shuaib, Ashfaq	University of Alberta	The role of endothelial dysfunction in the pathophysiology of cerebrovascular disease.	<i>Apoptosis, endothelium, injury, stroke, vascular.</i>	\$90,000	I, II
Simmonds, Andrew J.	University of Alberta	Identification of co-factors for the TEF and MEF-2 family of transcription factors required for establishment and maintenance of heart progenitor cell fate.	<i>Transcription, genetic disease loci, heart development, drosophila.</i>	\$52,000	I
Smith, Francine G.	University of Calgary	The renin-angiotensin system during ontogeny.	<i>Angiotensin II, newborn, kidney, blood pressure, perinatal.</i>	\$49,000	I
Smith, Peter A.	University of Alberta	Nicotinic acetylcholine receptors in the cardiovascular system.	<i>Hypertension, cigarettes, ganglionic transmission, microvasculature, coronary endothelial cells.</i>	\$49,000	I
Sykes, Brian D.	University of Alberta	Structure of cardiac troponin in complex with cardiotoxic drugs.	<i>Structure, troponin C, troponin I, calcium binding, cardiotoxic drugs, NMR.</i>	\$57,000	I
ter Keurs, Henk E.D.J.	University of Calgary	The velocity of cardiac muscle shortening.	<i>Cardiac muscle, congestive heart failure, excitation contraction coupling, high speed confocal micro, ischemic heart disease.</i>	\$57,000	I
Thebaud, Bernard	University of Alberta	The role of phosphodiesterases and Ca ⁺⁺ sensitive K ⁺ channels in pulmonary vascular abnormalities associated with congenital diaphragmatic hernia.	<i>Pulmonary hypertension of the newborn, phosphodiesterase, potassium channels, smooth muscle cell, lung growth, vasoreactivity.</i>	\$57,000	I
Triggle, Christopher R.	University of Calgary	Nitric oxide and the vasculature.	<i>Vascular smooth muscle, endothelial cells, nitric oxide, nitrosothiols</i>	\$57,000	I
Tsuyuki, Ross T.	University of Alberta	Improving hypertension management in patients with diabetes in the community.	<i>Adherence, hypertension, diabetes, community, management.</i>	\$75,000	III, IV
Tuor, Ursula		Diagnosis and mechanisms of hypoxic-ischemic injury in cerebral white matter.	<i>Magnetic resonance imaging, immunohistochemistry, cerebral hypoxia ischemia, white matter injury, hypothermia.</i>	\$49,000	I
Vance, Jean Eaton	University of Alberta	Lipoprotein secretion and phosphatidylserine metabolism.	<i>Phosphatidylserine, phospholipid, VLDL secretion, apo B, phosphatidylethanolamine.</i>	\$49,000	I
von der Weid, Pierre-Yves	University of Calgary	Endothelium-dependent stimulation of arteries, veins and lymphatics.	<i>Blood vessel, lymphatic, endothelium-dependent, smooth muscle, electrophysiology.</i>	\$49,000	I

Themes I: Basic Biomedical

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Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Waisman, David M.	University of Calgary	Regulation of fibrinolysis by annexin II tetramer.	<i>Annexin, fibrinolysis, plasmin, plasminogen, endothelium.</i>	\$57,000	I
Walsh, Michael P.	University of Calgary	Vascular smooth muscle S100A11 calcium-binding protein.	<i>Vascular smooth muscle, S100 calcium-binding proteins, contractility, membrane-cytoskeleton interaction, annexins.</i>	\$57,000	I
Welsh, Donald G.; Vigmond, Edward J.	University of Calgary	Cell-to-cell communication in the resistance vasculature.	<i>Peripheral circulation, computer modeling, electrophysiology, vascular smooth muscle, cell-to-cell communication.</i>	\$49,000	I
Winston, Brent W.	University of Calgary	Induction of factor B and/or activation of the alternative complement cascade contribute to cardiac dysfunction, multiple organ dysfunction and shock in sepsis.		\$52,000	I, II
Wong, Norman C.W.	University of Calgary	Augmenting apolipoprotein AI expression: effects on reverse cholesterol transport and atherosclerosis.		\$57,000	I
Yager, Jerome Y.	University of Alberta Hospital	The neuroprotective role of mild hypothermia in perinatal hypoxic-ischemic brain injury: mechanisms and therapeutic application.	<i>Neonate, hypoxia-ischemia, brain damage, hypothermia, neuroprotection.</i>	\$30,000	I
Young, Howard S.	University of Alberta	Molecular insights into the mechanisms of regulation and recovery of cytosolic calcium during cardiac muscle relaxation.	<i>Heart disease, calcium transport, structure, function, electron microscopy.</i>	\$52,000	I
Zamponi, Gerald	University of Calgary	Regulation of calcium channel beta subunit function by Rem2.	<i>Calcium channels, Rem2, immunocytochemistry, electrophysiology, imaging.</i>	\$57,000	I
Zhao, Zonghang	University of Calgary	Cerebral ischemia: variance in tolerance and susceptibility.	<i>Ischemic tolerance, deafferentation, hypothermia, GluR2, genomic analysis.</i>	\$57,000	I
Zheng, Xi-Long	University of Calgary	2-methoxyestradiol, vascular smooth muscle and atherosclerosis.	<i>Vascular smooth muscle, 2-methoxyestradiol, atherosclerosis, cell cycle regulation, apoptosis.</i>	\$49,000	I

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British Columbia

Colombie-Britannique

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Accili, Eric A.	Simon Fraser University	Interactions among pacemaker channel isoforms, accessory subunits, and putative protein partners.	<i>Cellular biology, pacemaker channels, protein-protein interactions, patch clamp electrophysiology, confocal imaging, yeast two-hybrid system.</i>	\$17,133	I
Accili, Eric A.	Simon Fraser University	Molecular and cellular mechanisms of HCN channel function.	<i>Hyperpolarization-activated channels, structure-function, trafficking, gating, permeation.</i>	\$98,774	I
Burtnick, Leslie D.	University of British Columbia	The structure of gelsolin-capped actin filaments.	<i>Actin, gelsolin, thymosin beta4, trpomyosin, x-ray crystallography.</i>	\$15,726	I
Chan, Sammy Y.; Frohlich, Jiri J.; Karsan, Aly; Mancini, G.B. John	St. Paul's Hospital	Aging, cardiac risk factors, endothelial function and endothelial progenitor cells.	<i>Aging, risk factors, endothelial function, endothelial progenitor cell.</i>	\$57,960	II
Christenson, James M.; Abu-Laban, Riyadh B.; Anis, Aslam H.; Gin, Kenneth G.; Grafstein, Eric; Innes, Grant D.; McKnight, Douglas; Rosenberg, Frances M.; Singer, Joel; Thompson, Christopher R.; Wong, Hubert H.C.	St. Paul's Hospital	Validation of a clinical prediction rule for the early discharge of patients with chest pain.	<i>Acute coronary syndromes, acute myocardial infarction, unstable angina, clinical prediction rules, emergency medicine, chest pain, risk stratification.</i>	\$88,737	II, III
Church, John	University of British Columbia	Ischemia and the regulation of intracellular ion homeostasis in hippocampal neurons	<i>Cerebral ischemia, intracellular ion homeostasis, sodium/hydrogen exchange, chloride/bicarbonate exchange, sodium/bicarbonate cotransport.</i>	\$64,497	I
Cupples, William A.	University of Victoria	Consequences of the salt paradox in diabetes mellitus	<i>Diabetes mellitus, blood pressure, autoregulation, nephropathy, salt paradox.</i>	\$42,322	I
Davies, Hugh W.; Demers, Paul A.; Ostry, Aleck S.; Levy, Adrian R.	University of British Columbia	Exposure to noise at work and cardiovascular disease: a study of the temporal association, interactions among exposure agents and susceptible populations		\$45,188	IV
Fedida, David	University of British Columbia	Fluorescence studies of voltage-gated cardiac K ⁺ channels.	<i>Potassium channel, heart, inactivation, molecular biology, biophysics.</i>	\$115,920	I
Fedida, David	University of British Columbia	Contribution of the dynein motor system to surface expression and subcellular localization of voltage-gated potassium channels.	<i>Potassium channel, heart, dynein motor, arrhythmia, electrophysiology.</i>	\$128,227	I
Granville, David J.; Laher, Ismail	St. Paul's Hospital	Role of CYP2C9 in peri-transplant ischemic injury.		\$72,529	I
Hayden, Michael R.	University of British Columbia	The contribution of hepatic ABCA1 to HDL levels and composition and susceptibility to atherosclerosis.	<i>ABCA1, transgenic, Cre-Lox, tissue-specific, adenovirus, liver.</i>	\$86,940	I
Hayden, Michael R.	University of British Columbia	The molecular mechanisms underlying the improved lipoprotein profile of LPL-S447X and its use for the treatment of lipoprotein lipase deficiency.	<i>Lipoprotein lipase, gene therapy, triglycerides, HDL, cholesterol.</i>	\$12,514	I
Hill, John S.	St. Paul's Hospital	Functional analysis of lipase gene expression in human macrophages	<i>Endothelial lipase, hepatic lipase, macrophages, atherosclerosis, RNA interference.</i>	\$33,511	I, II

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Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Humphries, Karin H.; Bernstein, Victoria; Cook, Richard; Gin, Kenneth G.; Kerr, Charles R.; Slavik, Richard	University of British Columbia	Magnesium for the prevention of atrial arrhythmias after cardiac surgery (M-PAACS).		\$166,992	II
Karsan, Aly	BC Cancer Research Centre	Molecular mechanisms of endothelial survival/apoptosis.	<i>Apoptosis, endothelium, tumor necrosis factor, notch, signal transduction.</i>	\$91,770	I
Karsan, Aly	BC Cancer Research Centre	Mechanisms of ischemic neovascularization.	<i>Endothelial cells, vascular smooth muscle, endothelial-mesenchymal transformation, notch, snail.</i>	\$104,782	I
Laher, Ismail	University of British Columbia	Cigarette smoking and resistance artery function.	<i>Resistance artery, endothelium, myogenic tone, pharmacology, cerebral artery, signaling, coronary artery, calcium.</i>	\$88,305	I
Lear, Scott A.	St. Paul's Hospital	Multicultural community health assessment trial (M-CHAT): role of body fat distribution on sub-clinical atherosclerosis in a multi-ethnic population	<i>Obesity, atherosclerosis, visceral adipose tissue, carotid intima-media thickness, ethnicity.</i>	\$4,943	I, II, IV
Leroux, Michel R.	Simon Fraser University	Analysis of genes linked to cardiovascular disease	<i>Bardet-Biedl syndrome, BBS proteins, Alstrom syndrome, cilia, cardiovascular health.</i>	\$105,015	I
McManus, Bruce M.; Knight, Darryl A.; Rahmani, Maziar	St. Paul's Hospital	Role and regulation of proteoglycan, versican, in vascular injury and repair.	<i>Beta-catenin, T cell factor transcription factors, vascular injury and repair, proteoglycans, and versican.</i>	\$91,770	I
McNagny, Kelly M.	University of British Columbia	The role of endoglycan in hematopoiesis, vascular biology and cancer.	<i>CD34, adhesion, vascular permeability, cell migration.</i>	\$92,289	I
Miller, William C; Eng, Janice J.	University of British Columbia	Fear of falling after stroke.	<i>Fear of falling, falling, stroke, aging, balance confidence.</i>	\$58,443	II
Murphy, Timothy H.	University of British Columbia	Protection against neuronal oxidative stress by glial glutathione.	<i>Glutamate, oxidative stress, stroke, glutathione, glia.</i>	\$80,999	I
Naus, Christian C.G.; Krebs, Claudia	University of British Columbia	Gap junctions and neuroprotection in stroke.	<i>Gap junctions, transgenic, knockout, connexin, stroke.</i>	\$84,042	I
Proud, Christopher G.	University of British Columbia	Control of protein synthesis in cardiac myocytes.	<i>Signaling, mTOR, protein synthesis, cardiac hypertrophy, protein kinase.</i>	\$114,626	I
Pryzdial, Edward L.G.	University of British Columbia	Coagulation initiated on herpes viruses.	<i>Coagulation, tissue factor, annexin, herpes simplex, cytomegalovirus.</i>	\$89,456	I
Pryzdial, Edward L.G.	University of British Columbia	Effects of plasmin on prothrombinase.	<i>Coagulation, fibrinolysis, factor X, factor V, biochemistry.</i>	\$100,904	I
Rodrigues, Brian B.	University of British Columbia	Cardiac abnormalities in n-6 PUFA fed diabetic rats.	<i>Polyunsaturated fatty acids, diabetes, cardiolipin, glutathione, necrosis.</i>	\$60,169	I
Steinbrecher, Urs P.	University of British Columbia	Activation of macrophage growth and survival pathways by oxidized LDL.		\$136,842	I
Tibbits, Glen F.	Simon Fraser University	Regulation of cardiac myofilament sensitivity to calcium.		\$91,770	I
van Breemen, Cornelis; Laher, Ismail	St. Paul's Hospital	Cellular mechanisms of vascular dysfunction in human diabetes.	<i>Human vessels, diabetes, vasomotion, calcium imaging.</i>	\$100,213	I
van Eeden, Stephan F.; Laher, Ismail	University of British Columbia	Air pollution induced atherogenesis.	<i>Air pollution, leukocytes, adhesion molecules, atherosclerosis, endothelium.</i>	\$57,960	I

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Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Walley, Keith R.	St. Paul's Hospital	Mechanism of myocardial dysfunction during sepsis.	<i>Myocardium, sepsis, hypoxia, HIF-1a, inflammation.</i>	\$80,178	I
Walley, Keith R.; Lichtenstein, Samuel V.; Murkin, John M.; Russell, James A.; Sandford, Andrew J.	St. Paul's Hospital	Genetic determinants of cognitive dysfunction following cardiopulmonary bypass.	<i>Cardiopulmonary bypass, genes, polymorphisms, cognitive dysfunction.</i>	\$173,880	III
Wang, Yu Tian	University of British Columbia	Depression of AMPA receptor-mediated excitation by insulin.	<i>Glutamate receptor, endocytosis, insulin, synaptic transmission, cerebral ischemia.</i>	\$112,681	I
Wellington, Cheryl L.	University of British Columbia	ABCG1, HDL metabolism and atherosclerosis.	<i>ABCG1, cholesterol efflux, atherosclerosis, transgenic, lipid transport.</i>	\$112,037	I
Yang, Decheng	St. Paul's Hospital	Identification of molecular determinants of coxsackievirus B3 tissue tropism.	<i>Virus host interaction, molecular biology, proteomics, tissue tropism, viral myocarditis.</i>	\$82,110	I
Yang, Decheng	St. Paul's Hospital	Roles of viral protease genes and the mouse NAT1 gene.	<i>Myocarditis, coxsackievirus, death pathways, NAT1, apoptosis.</i>	\$57,631	I
Yang, Decheng	St. Paul's Hospital	Mechanisms of apoptotic cell death induced by a newly isolated mBNip21 gene in coxsackievirus B3-infected mouse heart.	<i>Apoptosis, virus, host gene response, signal transduction, myocarditis.</i>	\$16,422	I
Zehr, E. Paul	University of Victoria	Utilization of spinal circuitry and cutaneous feedback for recovery of walking after stroke.	<i>Stroke, reflex, feedback, walking, central patterning, cutaneous.</i>	\$115,920	I, II

Group/Program Grants

Subventions de groupe et de programme

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Co-applicant(s) Co-chercheur(s)	Funding Financement	Theme Thème
McNeil, John H.	University of British Columbia	Impact of diabetes on cardiovascular function.	<i>Macleod, Kathleen; Rodrigues, Brian</i>	\$80,000	

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Manitoba

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Anderson, Hope D.I.	St. Boniface G.H. Research Centre	Effect of conjugated linoleic acid on cardiac ventricular hypertrophy.	<i>Heart, hypertrophy, conjugated linoleic acid.</i>	\$31,000	I
Bhullar, Rajinder P.	University of Manitoba	Regulation of platelet Rab3B by calcium-calmodulin.	<i>Rab GTPases, calmodulin, calcium platelet, secretion.</i>	\$31,000	I
Del Bigio, Marc R.	University of Manitoba	Brain hemorrhage in immature brain and impaired development.	<i>Hemorrhage, cerebral palsy, neonate.</i>	\$32,000	I
Dhalla, Naranjan S.	St. Boniface G.H. Research Centre	Studies on the biochemical basis of heart function: adrenergic mechanisms in failing hearts.	<i>Congestive heart failure, beta-adrenoceptors, G-proteins, adenylyl cyclase, signal transduction.</i>	\$50,500	I
Dixon, Ian. M.C.	St. Boniface G.H. Research Centre	Inhibition of the Smad signal in post-MI heart failure.	<i>Myocardial infarction, gene expression, cardiac fibrosis, collagen, hypertrophy and heart failure, Smad.</i>	\$41,300	I
Hatch, Grant M.	University of Manitoba	Regulation of cardiolipin biosynthesis.	<i>Heart, cardiolipin, phospholipid, metabolism, eukaryotic cells.</i>	\$32,000	I
Hryshko, Larry V.	St. Boniface G.H. Research Centre	Pharmacology of Na-Ca exchange proteins.	<i>Sodium-calcium exchange, electrophysiology, pharmacology.</i>	\$35,000	I
Israels, Sarah J.	Manitoba Institute of Cell Biology	The roles of CD63 and PI 4-kinase in platelet integrin signaling.		\$35,000	I
Kardami, Elissavet	University of Manitoba	Connexin43 and cardiac myocyte proliferation.	<i>Connexin43, cardiomyocytes, cell cycle inhibition, structure-function, heart regeneration.</i>	\$45,600	I
Kirshenbaum, Lorrie A.	St. Boniface G.H. Research Centre	Mechanisms of p53 mediated apoptosis in the heart.		\$39,400	I
Kong, Jiming	University of Manitoba	BNIP3-activated atypical apoptosis pathway in ischemic neuronal cell death.	<i>Apoptosis, necrosis, atypical neuron death, mitochondria, endonuclease G.</i>	\$31,000	I
Kupriyanov, Valerian; Jilkina, Olga	National Research Council of Canada (Winnipeg)	Mitochondrial and sarcolemmal ATP-sensitive K ⁺ channels: pharmacological and metabolic regulation in intact hearts.	<i>KATP channels, heart, mitochondria, channel modulators, NMR & optical spectroscopy.</i>	\$31,000	I
Light, Robert B; Jacobs, Hans K.	St. Boniface G.H. Research Centre	Left ventricular performance in gram negative sepsis.	<i>Myocardial depression in sepsis, septic shock, myocardial depressant factor.</i>	\$39,400	I
McNicol, Archibald	University of Manitoba	MAP kinase pathways and platelets.	<i>Platelets, signaling, kinases, GEMs.</i>	\$35,000	I
Mesaeli, Nasrin	St. Boniface G.H. Research Centre	Calreticulin and nuclear transport of transcription factors.	<i>p53, NFAT, vascular smooth muscle, nuclear import, nuclear pore.</i>	\$38,000	I
Mink, Steven N.	University of Manitoba	Interactions between H3 receptors and alpha2 adrenoceptors on cardiac function in sepsis.	<i>Septic shock, adrenergic function, myocardial depression, histamine, H3 receptor.</i>	\$34,000	I
Moghadasian, Mohammed	St. Boniface Hospital Research Centre	Mechanisms of atherogenesis in apolipoprotein E-KO mice: Studies of the role of plasma lipoproteins, vascular apolipoprotein E, dietary cholesterol and probucol in a mouse heart transplant model.	<i>Atherosclerosis, apolipoprotein E, mice, heart transplantation.</i>	\$38,000	I
Netticadan, Thomas J.	St. Boniface G.H. Research Centre	Mechanisms underlying contractile dysfunction in heart failure due to volume overload.	<i>Sarcoplasmic reticulum, volume overload hypertrophy, heart failure.</i>	\$31,000	I
O, Karmin	St. Boniface G.H. Research Centre	Role of homocysteine in atherosclerosis.	<i>Atherosclerosis, hyperhomocysteinemia, chemokines, oxidative stress.</i>	\$31,000	I

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Schlichter, Lyanne C.; Corbett, Dale R.; Peeling, James	Toronto Western Research Institute	Targeting K channels to control inflammation in stroke.	<i>Intracerebral hemorrhage, focal ischemia, retinal ischemia, optic nerve transection, potassium channels, CNS inflammation, immune-cell activation.</i>	\$43,000	I
Siow, Yaw L.	University of Manitoba	Regulation of stress-associated scaffold protein in ischemia/reperfusion.	<i>SAP kinase, scaffold, regulation, ischemia/reperfusion, inhibitor.</i>	\$31,000	I
Wigle, Jeffrey T. N.	St. Boniface G.H. Research Centre	Mox mediated differentiation of vascular smooth muscle cells and cardiomyocytes in embryonic development and disease.	<i>Cell-cycle, atherosclerosis, homeobox, differentiation, migration.</i>	\$32,000	I
Ye, Jian; Deslauriers, Roxanne	National Research Council of Canada (Winnipeg)	Magnetic resonance spectroscopy and imaging to determine optimal conditions for retrograde cerebral perfusion during open-heart surgery.	<i>Retrograde cerebral perfusion, magnetic resonance (MR) spectroscopy, MR imaging, cardiac surgery, deep hypothermia and circulatory arrest.</i>	\$31,000	I
Zhang, Shetuan	St. Boniface G.H. Research Centre	The mechanisms of sudden cardiac death caused by cocaine.	<i>Myocardium, emergency cardiac care, electrophysiology, molecular biological techniques, cardiac dysrhythmias.</i>	\$31,000	I

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New Brunswick

Nouveau-Brunswick

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Currie, R. William	Dalhousie University	Stress-dependent and cell specific expression of heat shock proteins.	<i>Heat shock proteins, blood vessels, ischemia, heart, brain.</i>	\$50,000	I
Eng, Janice J.; Dawson, Andrew S.	University of British Columbia	Exercise programs in stroke.	<i>Rehabilitation, exercise, stroke, mobility, fitness.</i>	\$72,000	II
McDonald, Terence F.	Dalhousie University	ATP-sensitive K ⁺ channels in heart cells.	<i>Ventricular myocytes, voltage-clamp, K-ATP channels, regulation, site-directed mutagenesis.</i>	\$50,000	I
McManus, Bruce M.; Luo, Honglin; Granville, David J.	St. Paul's Hospital	Mechanisms and consequence of CVB3-mediated ERK activation.	<i>Coxsackievirus, ERK, myocarditis, viral replication, signal transduction.</i>	\$77,400	I
Pierce, Grant N.	St. Boniface G.H. Research Centre	Involvement of Na/Ca exchange in ischemia/reperfusion (I/R) injury.	<i>Heart, Na/Ca exchange, cardiomyocytes, adenovirus.</i>	\$42,500	I
Ridgway, Neale D.	Dalhousie University	Functional analysis of the role of two oxysterol binding proteins in lipid homeostasis.	<i>Cholesterol, oxysterols, lipid transport, protein-protein interactions.</i>	\$50,000	I
Schlichter, Lyanne C.; Corbett, Dale R.; Peeling, James	Toronto Western Research Institute	Targeting K channels to control inflammation in stroke.	<i>Intracerebral hemorrhage, focal ischemia, retinal ischemia, optic nerve transection, potassium channels, CNS inflammation, immune-cell activation.</i>	\$46,000	I
Tabrizchi, Reza	Memorial University of Newfoundland	Drugs and venous system.		\$32,000	I

Nova Scotia

Nouvelle-Écosse

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Easton, Alexander S.	University of Alberta	An investigation of the role played by free radicals and calcium in neutrophil dependent alterations in permeability.	<i>Blood-brain barrier, neutrophil, permeability, calcium, free radical.</i>	\$47,000	I
Eskes, Gail A.; Klein, Ray	Dalhousie University	Rehabilitation of attention in hemi-spatial neglect.	<i>Hemi-spatial neglect, rehabilitation, stroke, neuropsychology, attention.</i>	\$45,747	II
Ferrier, Gregory R.; Howlett, Susan E.	Dalhousie University	Initiation and regulation of calcium sparks in cardiac muscle.	<i>Contraction, voltage-clamp, cardiac myocytes, calcium, sparks.</i>	\$44,000	I
Hopkins, David A.; Darvesh, Sultan; Arora, Rakesh C.	Dalhousie University	Pathophysiology of cardiac innervation: brainstem and intrinsic cardiac nervous system.	<i>Cardiac innervation, ischemic heart disease, intrinsic cardiac neurons, amiodarone, Alzheimer's disease.</i>	\$6,373	I
Howlett, Susan E.; Ferrier, Gregory R.	Dalhousie University	Calcium cycling in ischemic preconditioning.	<i>Ischemia, reperfusion, preconditioning, excitation-contraction coupling, calcium cycling.</i>	\$50,000	I
MacRae, Thomas H.	Dalhousie University	Structural and functional characterization of small heat shock proteins: molecular chaperone activity during physiological stress.	<i>Molecular chaperones, small heat shock proteins, physiological stress, ischemia/reperfusion injury, heart.</i>	\$50,000	I
Marsh, Daniel R.	Dalhousie University	Spared bulbospinal axons can prevent autonomic dysreflexia from developing after spinal cord injury.	<i>Spinal cord, episodic hypertension, autonomic dysreflexia, sympathetic preganglionic neuron, ventral lateral medulla.</i>	\$44,000	I
Pasumarthi, Kishore Babu S.	Dalhousie University	Regulation of cardiomyocyte cell cycle by D-type cyclins.	<i>Cardiomyocyte cell cycle, myocardial repair, gene transfer, transgenic mice, protein-protein interactions.</i>	\$50,000	I
Pollak, P. Timothy	Dalhousie University	Optimizing monitoring of amiodarone therapy for atrial fibrillation in the elderly.	<i>Atrial fibrillation, elderly, amiodarone, toxicity minimization, cost.</i>	\$47,000	II
Robertson, Harold A.; Currie, R. William	Dalhousie University	Stroke genomics identification of the temporal and spatial patterns of gene expression in the early hours following cerebral ischemia.	<i>Stroke, DNA microarray, gene expression profiling, neuroprotection.</i>	\$50,000	I
Sapp, John L.; Horacek, B. Milan	Queen Elizabeth II Health Sciences Centre	Electrocardiographic mapping to aid ablation of scar-related ventricular tachycardia.	<i>Clinical cardiac electrophysiology, biomedical engineering.</i>	\$46,212	II
Sinal, Christopher; Pollak, P. Timothy	Dalhousie University	Elucidating mechanisms of amiodarone-induced hepatotoxicity.	<i>Dysrhythmias, hepatotoxicity, nuclear receptor, amiodarone, pharmacology.</i>	\$17,947	I

Ontario

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Adams, Michael A.; Heaton, Jeremy P. W.	Queen's University	Antihypertensive treatment strategies in the management of sexual dysfunction.	<i>Hypertension, blood pressure, sexual dysfunction, antihypertensives, vascular structure, endothelial function.</i>	\$130,413	I
Adeli, Khosrow	Hospital for Sick Children	Molecular mechanisms of VLDL overproduction in insulin resistant states.	<i>Apolipoprotein B, lipoprotein, liver, insulin resistance, hamster, insulin signaling, diabetes.</i>	\$98,822	I
Adeli, Khosrow	Hospital for Sick Children	Molecular mechanisms of apolipoprotein B degradation.	<i>Apolipoprotein B, degradation, hepatocytes, proteasome, ER60.</i>	\$111,063	I
Anand, Sonia S.; Gerstein, Hertzell C.; Jacobs, Ruby L.; Kelemen, Linda E.; Lonn, Eva M.; Pogue, Janice M.; Yusuf, Salim	McMaster University	The study of health assessment and risk evaluation in aboriginal people (SHARE-AP). Follow up study.	<i>Aboriginal health, atherosclerosis, nutrition, social disadvantage.</i>	\$63,421	IV
Ananthanarayanan, Vettai S.	McMaster University	Structural aspects of collagen biosynthesis: studies on Hsp47.	<i>Collagen, Hsp47, structure-function correlation, protein structure, spectroscopy.</i>	\$66,448	I
Andrew, R. David	Queen's University	Understanding and preventing early damage to cortical neurons in stroke.	<i>Stroke, neuropharmacology.</i>	\$55,307	I
Arthur, Heather M.; Demers, Catherine; Kodis, Jennifer; McKelvie, Robert S.; Thorpe, Kevin E.	McMaster University	The effect of hospital versus home-based exercise on psychosocial and physical outcomes in patients with stable chronic heart failure.	<i>Exercise training, heart failure, quality of life, self-efficacy.</i>	\$80,109	II
Austin, Richard C.; Chan, Anthony	McMaster University	Inhibition of tissue factor procoagulant activity by GRP78 and its role in atherothrombotic disease.	<i>GRP78, tissue factor, thrombin generation, endoplasmic reticulum stress, thromboembolic disease.</i>	\$79,622	I
Backx, Peter H.	University Health Network	Role of inward rectifier K ⁺ and HCN channels in heart.	<i>Transgenics, electrophysiology, heart disease, ion channels, arrhythmias.</i>	\$123,607	I
Baker, R. Roy	University of Toronto	The metabolism of platelet-activating factor in brain.	<i>Platelet-activating factor, brain ischemia, neuronal nucleus.</i>	\$73,699	I
Ball, Eric H.	University of Western Ontario	Metavinculin interactions in hereditary cardiomyopathy.	<i>Intercalated disc, protein interactions, protein structure, adherens junction, cytoskeleton.</i>	\$61,853	I
Bartha, Robert; Gelb, Adrian W.; Menon, Ravi S.	Robarts Research Institute	New metabolic imaging approaches to assess brain tissue viability.	<i>1H MRS, high resolution metabolic MR imaging, acute cerebral ischemia, metabolite quantification, molecular penumbra.</i>	\$57,144	I
Bates, Shannon M.; Douketis, James D.; Ginsberg, Jeffrey S.; Julian, Jim A.; Kearon, Clive	McMaster University	Diagnosis of suspected pulmonary embolism with D-dimer.	<i>Pulmonary embolism, diagnosis, D-dimer.</i>	\$114,987	II
Beanlands, Rob S. B.; Davies, Ross A.; de Kemp, Robert A.; Fallen, Ernest L.; Haddad, Haissam; Hendry, Paul J.; Nichol, Graham; Ruddy, Terrence D.; Wells, George A.	University of Ottawa Heart Institute	Outcome and cost-effectiveness of FDG PET in LV dysfunction (PARR 2) - 2nd year follow-up - renewal	<i>Viability, metabolism, heart failure, LV dysfunction, revascularization.</i>	\$60,477	II
Beanlands, Rob S. B.; Burwash, Ian G.; DaSilva, Jean N.; de Kemp, Robert A.; Floras, John S.; Haddad, Haissam; Leech, Judith A.	University of Ottawa Heart Institute	Effects of continuous positive airway pressure therapy on myocardial energetics and sympathetic nerve function in patients with heart failure and obstructive sleep apnea.	<i>Heart failure, sleep apnea, oxidative metabolism, cardiac efficiency, sympathetic nerve function, PEP.</i>	\$119,691	II
Bear, Christine E.	Hospital for Sick Children	The role of CIC channels in GABA-A function.		\$74,270	I

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Benazon, Nili R.; Blanchard, Chris M.; Kodis, Jennifer; Toner, Brenda B.	Hamilton General Hospital	Correlates of women's compliance with exercise prescriptions during and following cardiac rehabilitation.	<i>Cardiology, health-related behaviours, exercise, women, psychosocial.</i>	\$52,696	II
Bendeck, Michelle P.	University of Toronto	The effect of doxycycline on smooth muscle cell response to injury.	<i>Vascular biology, atherosclerosis/restenosis, matrix metalloproteinase, extracellular matrix.</i>	\$68,029	I
Bennett, Brian M.	Queen's University	Mechanisms of action and tolerance development to organic nitrate.	<i>Organic nitrates, biotransformation, tolerance, cyclic GMP, gene expression.</i>	\$71,874	I
Bonen, Arend	University of Waterloo	Regulation of fatty acid transport in the heart.		\$86,294	II
Borger, Michael A.; Djaiani, George N.; Feindel, Christopher M.; Green, Robin E.A.; Ivanov, Joan	Toronto General Hospital	Minimal invasive cardiac surgery: is it safe for the brain?	<i>Cardiopulmonary bypass, neuropsychological impairment, cerebral emboli, transcranial Doppler, cardiac surgery.</i>	\$118,499	II
Boughner, Derek R.; Rogers, Kem A.	University of Western Ontario	Aortic sclerosis in an animal model: progression, regression and evaluation.		\$77,150	I, II
Brouwer, Brenda; Bagg, Stephen; Malouin, Francine	Queen's University	Does mental practice promote cortical reorganization and improved hand function in acute stroke? A prospective intervention study.	<i>Rehabilitation, stroke, transcranial magnetic stimulation, imagery, function.</i>	\$53,529	I, II
Brown, Arthur	Robarts Research Institute	EphA3 receptor signaling in heart development.	<i>Heart development, Eph receptors, mouse genetics, knock-outs, cell signaling.</i>	\$99,525	I
Bruneau, Benoit G.	Hospital for Sick Children	Roles of T-box genes in cardiovascular research.	<i>Transgenic mice, congenital heart defects, transcription factors, gene expression, cardiovascular development.</i>	\$100,248	I
Capone, John P.; Rachubinski, Richard A.	McMaster University	Function and mechanisms of action of peroxisome proliferator-activated receptors.	<i>Nuclear hormone receptors, peroxisome proliferators, gene expression, transcription factors, lipid metabolism.</i>	\$143,229	I
Capone, John P.	McMaster University	Functions and mechanisms of action of liver-X-receptor.	<i>Nuclear hormone receptors, gene regulation, cytokines, macrophages, cholesterol.</i>	\$100,166	I
Cechetto, David F.; Hachinski, Vladimir C.	University of Western Ontario	Central autonomic control in the human.	<i>Functional MRI, insular cortex, stress, central autonomic control, amygdala.</i>	\$54,864	I
Cepinskas, Gediminas	Lawson Research Institute	The mechanisms of neutrophil-induced negative feedback regulation of transcription factor, NFkB in endothelial cells during inflammation: role of PECAM-1 (CD31).	<i>Inflammation/sepsis, adhesion molecules, cell signaling, endothelium, leukocytes.</i>	\$49,540	I
Chan, Anthony K.C.	McMaster University	Investigation into the interactions of covalent antithrombin-heparin (ATH) complex with surface-bound coagulant factors.	<i>Antithrombin, heparin, anticoagulant, fibrin, endothelial.</i>	\$71,266	I
Chan, Anthony K.C.	McMaster University	The influence of age on the protein C pathway during chemotherapy treatment.	<i>Children, thromboembolism, (anti)coagulation, protein C, chemotherapy.</i>	\$79,134	I
Chan, Christopher T.; Verma, Subodh	Toronto General Hospital	Impact of uremia on endothelial progenitor cells.	<i>Renal failure, endothelial function, arterial compliance, left ventricular hypertrophy, endothelial progenitor cells.</i>	\$66,937	I, II
Chan, Wee-Shian; Ginsberg, Jeffrey S.; Lee, Agnes; Ray, Joel; Rodger, Marc A.	Sunnybrook and Women's College Health Sciences Centre	Diagnosis of pulmonary embolism in pregnant women. The PREPED study.	<i>Pregnancy, diagnosis, pulmonary embolism.</i>	\$53,980	II
Chauhan, Vijay S.; Downar, Eugene	University of Toronto	Characterizing ventricular repolarization heterogeneity in human ischemic cardiomyopathy.	<i>Repolarization, restitution, heterogeneity, autonomic, cardiomyopathy.</i>	\$69,213	II
Ciriello, John	University of Western Ontario	Role of sex steroids in central regulation of arterial pressure.	<i>Ventral medulla, arterial pressure, vagus, hypertension, Gaba, nitric oxide.</i>	\$69,803	I
Clarke, Bryan J.	McMaster University	Factor VII as an inhibitor of coagulation.	<i>Factor VII, coagulation, tissue factor, anticoagulants, molecular biology.</i>	\$33,900	I

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Cohen, Gideon; Alter, David A.; Burns, Peter N.; Ivanov, Joan	Sunnybrook and Women's College Health Sciences Centre	Left ventricular mass regression following aortic valve replacement with stentless versus stented valves: follow-up of a randomized trial.	<i>Randomized trial, stentless valve, mass regression, follow-up.</i>	\$44,675	II
Coles, John G.; Hannigan, Gregory E.	Hospital for Sick Children	Integrin-linked kinase (ILK) induces adaptive remodeling in dilated cardiac failure.	<i>Cardiac hypertrophy, signal transduction, transgenesis, heart failure, congenital heart disease.</i>	\$85,535	I, II
Connelly, Philip W.	St. Michael's Hospital	Comparative studies of paraoxonase 1 and paraoxonase 3.	<i>Lactones, paraoxonase, lipoproteins, atherosclerosis, hydroxy fatty acids.</i>	\$58,653	I
Connelly, Philip W.	St. Michael's Hospital	Identification of the mechanisms of oxidation of high density lipoprotein in vivo in the mouse.		\$33,900	I
Cote, Graham P.	Queen's University	Formation of podosome-like structures in vascular smooth muscle cell by PAK.	<i>Smooth muscle cell, biochemistry.</i>	\$77,883	I
Courtman, David W.; Stewart, Duncan J.	St. Michael's Hospital	Arterial remodeling: regulation of aneurysm growth.	<i>Aneurysm, extracellular matrix, smooth muscle, angiotensin, transcription factor.</i>	\$68,000	I
Crowther, Mark A.; Clase, Catherine M.; Douketis, James D.; Lim, Wendy; Rabbat, Christian G.	St. Joseph's Hospital	Tinzaparin for treatment of venous thromboembolism in renal insufficiency: a pilot study.	<i>Low molecular weight heparin, tinzaparin, renal insufficiency, venous thromboembolism, safety.</i>	\$58,593	II
Cybulsky, Myron I.	University of Toronto	Endothelial cell NF-kappaB signal transduction in atherosclerosis.	<i>NF-kB, endothelium, atherosclerosis, hemodynamics, transgenic mice.</i>	\$99,512	I
Cybulsky, Myron I.	University of Toronto	Leukocyte recruitment to atherosclerosis lesions.	<i>Atherosclerosis, monocytes, recruitment, survival, adhesion molecules, M-CSF (CSF1)</i>	\$107,147	I
de Bold, Adolfo J.	University of Ottawa Heart Institute	Molecular physiology of the endocrine heart.		\$33,900	I
Deeley, Roger G.	Queen's University	Functional studies of the ATP-binding cassette transporter, ABCA1.	<i>High density lipoprotein, cholesterol metabolism, ABCA1, tangier disease.</i>	\$89,665	I
Demers, Catherine; Arthur, Heather M.; Dobbins, Maureen J.; Everson, Jennifer Little; Kaczorowski, Janusz; McKelvie, Robert S.; Teo, Koon K.; Yusuf, Salim	McMaster University	A prospective evaluation of a novel primary care heart failure management program.	<i>Heart failure, outpatient management strategies.</i>	\$85,657	II, III
Dick, Alexander J.; Stewart, Duncan J.; Wright, Graham	Sunnybrook and Women's College Health Sciences Centre	Delivery and tracking of stem cells in acute myocardial infarction.	<i>Magnetic resonance imaging, stem cells.</i>	\$65,038	I
Drangova, Maria; Pickering, J. Geoffrey	Robarts Research Institute	Optimized micro-CT of the mouse heart and coronary vasculature.	<i>Three-dimensional micro computed tomography, murine coronary artery imaging, vascular biology, murine models of atherosclerosis, angiogenesis.</i>	\$66,135	I
Duffin, James; Hanly, Patrick Joseph; Moe, Gordon	University of Toronto	Sources of dyspnoea in heart failure.	<i>Dyspnoea, heart failure, ventilatory drive, exercise, rest.</i>	\$33,770	I
Dumont, Daniel J.	Sunnybrook and Women's College Health Sciences Centre	Molecular studies examining the role of lymphangiogenic signaling in heart disease.	<i>Lymphangiogenesis, signal transduction, proteomics, transgenic animals.</i>	\$74,000	I
Duncan, Alison; Capes, Sarah E.; Darlington, Gerarda A.; Darlington, Gerarda A.	University of Guelph	Effect of soy protein on glycemic control and serum lipids in people with type 2 diabetes.	<i>Soy protein, type 2 diabetes, serum lipids, glycemic control, cardiovascular disease.</i>	\$43,400	I, II

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Eikelboom, John W.A.; Anand, Sonia S.; Ginsberg, Jeffrey S.; Tran, Huyen A.M.; Weitz, Jeffrey I.	Hamilton General Hospital	Determining the mechanisms of aspirin resistance.	<i>Aspirin, resistance, cardiovascular disease, Thromboxane, Rofecoxib.</i>	\$119,820	II
Ellis, Christopher G.	University of Western Ontario	Local regulation of microvasculature oxygen exchange.	<i>Oxygen sensor, erythrocyte, oxygen saturation, oxygen gradient, regulation.</i>	\$70,599	I
Feindel, Christopher M.; Rao, Vivek	University Health Network	Hypertonic saline for cardiac transplantation.	<i>Cardiac transplant, myocardial function, cytokine, hypertonic saline, organ preservation.</i>	\$85,609	I
Feldman, Ross D.	Robarts Research Institute	Vascular adenylyl cyclase regulation.	<i>Enzymes, cellular physiology, adenylyl cyclase.</i>	\$72,427	I
Feng, Qingping	London Health Sciences Centre	Neuronal nitric oxide synthase and heart failure.	<i>Neuronal nitric oxide synthase, apoptosis, hypertrophy, myocardial infarction, heart failure.</i>	\$65,385	I
Feng, Zhong-Ping	University of Toronto	The role of L-type calcium channels in cardiac dysfunction.	<i>Calcium channel, permeability, zinc, non-receptor tyrosine kinase, cardiac myocytes.</i>	\$49,760	I
Ferguson, Alastair V.	Queen's University	Orexinergic pathways in central autonomic control.	<i>Central autonomic control, peptides, electrophysiology, cardiovascular regulation, neuroscience.</i>	\$88,957	I
Ferguson, Stephen S.G.	Robarts Research Institute	Role of small G proteins in the signaling, endocytosis and trafficking of the angiotensin II type 1A receptor.	<i>Angiotensin receptors, small G proteins, endocytosis, trafficking, arrestins.</i>	\$115,363	I
Finestone, Hillel M.; Marshall, Shawn C.	Elizabeth Bruyère Health Centre	Driving post-stroke: a prospective study of community integration and driving habits.	<i>Driving, stroke, community integration, quality of life.</i>	\$67,088	III, IV
Floras, John S.	Toronto General Hospital	Cardiovascular regulation in men and women with heart failure and hypertension.	<i>Sympathetic nervous system, heart failure, hypertension, humans, estrogen.</i>	\$108,924	II
Fremes, Stephen E.; Cohen, Eric A.; Desai, Nimesh D.	Sunnybrook and Women's College Health Sciences Centre	Graft imaging to improve patency (GRIIP) study.	<i>Coronary bypass surgery, intraoperative imaging, clinical trials, angiography, ultrasound.</i>	\$99,851	II
Gagnon, France; Bulman, Dennis E.; Wells, Philip S.	University of Ottawa	Genome-wide search for oligogenes in factor V Leiden thrombophilia.	<i>Thrombosis, genetic epidemiology, quantitative traits, thrombophilia.</i>	\$55,537	I, II
Gaisano, Herbert Y.	University of Toronto	SNARE regulation of cardiac sulfonylurea receptor, a novel drug target for cardiac ischemia.	<i>ATP-sensitive potassium channels, SNARE proteins, electrophysiology, cardiac myocytes, protein interactions.</i>	\$72,943	I
Gao, Yu-Jing; Lee, Robert M.K.W.; Sharma, Arya Mitra	McMaster University	Perivascular adipose tissue, reactive oxygen species, and hypertension.	<i>Apidocytes, reactive oxygen species, hypertension, morphology, blood vessels.</i>	\$74,256	I
Garland, S. Jayne	University of Western Ontario	Standing balance following stroke: a novel approach for postural muscle retraining.	<i>Balance, stroke, electromyography, posturography, rehabilitation.</i>	\$58,160	I, II
Giacca, Adria; Fantus, Ivan G.	University of Toronto	Anti-atherogenic effect of insulin in vivo.	<i>Hyperinsulinemia, insulin resistance, restenosis, Apo E-null mouse, atherosclerosis.</i>	\$35,776	I, II
Godwin, Marshall S.; Birtwhistle, Richard V.; Casson, Richard Ian; Delva, M. Dianne; Lam, Yuk-Miu; MacDonald, Susan E.	Queen's University	A randomized controlled trial of the effect of home blood pressure monitoring on blood pressure control.	<i>Home blood pressure monitoring, hypertension, blood pressure control, intervention vs usual care, randomized controlled trial.</i>	\$87,546	II
Goldfield, Gary S.; Gougeon, Rêjeanne; Hadjiyannakis, Stasia; Jadad, Alejandro; McGrath, Patrick; Prud'homme, Denis DP; Sigal, Ronald J.; Watters, Carolyn R.	Children's Hospital of Eastern Ontario	Family-based behavioural treatment for childhood obesity delivered via internet: a randomized controlled trial.	<i>Obesity, children, family-based, internet, behaviour therapy.</i>	\$50,000	II, III

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Gollob, Michael H.; Beanlands, Rob S.; DaSilva, Jean N.; Green, Martin; Harper, Mary-Ellen; Jones, Douglas L.; McPherson, Ruth; Tang, Anthony S.L.	University of Ottawa Heart Institute	Pathophysiologic characterization and therapeutic intervention in the PRKAG2 cardiac syndrome.	<i>Genetic disease, electrophysiology, histology, transgenic mice, metabolism.</i>	\$74,162	II
Graham, Charles H.	Queen's University	Mechanisms regulating the development and pathophysiology of pre-eclamptic hypertension.	<i>Hypertension, pre-eclampsia, pregnancy, hypoxia, nitric oxide.</i>	\$89,941	I
Graham, Simon J.; Black, Sandra E.; Grady, Cheryl; McIlroy, William E.; Staines, William R.	Sunnybrook and Women's College Health Science Centre	Improved fMRI of stroke recovery.	<i>Event-related fMRI, stroke recovery, sensorimotor systems, simulation, motion correction.</i>	\$66,340	I
Graham, Simon J.; Black, Sandra E.; McIlroy, William E.; Staines, W. Richard	Sunnybrook and Women's College Health Sciences Centre	Virtual reality for stroke recovery: initial fMRI studies.	<i>fMRI, stroke recovery, virtual reality, sensorimotor systems, simulation.</i>	\$48,580	I, II
Grant, David R.; Adamson, S. Lee; Gorczyński, Reginald M.; Levy, Gary; Phillips, James M.	Toronto General Hospital	Role of fgl2 in transplantation and cardiac development.	<i>Thrombosis, transplantation, macrophage, endothelial cells, fibrin.</i>	\$75,947	I
Grinstein, Sergio; Trimble, William	Hospital for Sick Children	Dual role of CD36 in atherosclerosis.	<i>Macrophage, CD36, receptor, signal transduction, endocytosis.</i>	\$60,262	I
Gross, Gil J.	Hospital for Sick Children	Ventricular repolarization in complete heart block.	<i>Complete heart block, cardiac pacing, repolarizing currents, ventricular electrical remodeling, autonomic regulation.</i>	\$69,460	I
Grover, Ashok K.	McMaster University	Receptor stimulated ascorbate release from endothelial cells.	<i>Vitamin C, endothelium, coronary artery, shear stress, oxidative stress.</i>	\$83,041	I
Gupta, Radhey S.	McMaster University	Studies on adenosine kinase inhibitors and its gene regulation.	<i>Adenosine kinase, enzyme inhibitors, structure-activity studies, bisphosphonates, gene regulation, high throughput-screening.</i>	\$83,816	I
Gurd, James W.; Wallace, M. Christopher	University of Toronto	The role of lipid rafts in ischemia-induced modulation of postsynaptic signaling.	<i>Global ischemia, glutamate receptors, signal transduction, neuroprotection, synaptic biochemistry.</i>	\$80,809	I
Gwadry-Sridhar, Femida H.; Arnold, J. Malcolm O.; Guyatt, Gordon H.; MacKeigan, Linda D.; O'Brien, Bernard J.; Vingilis, Evelyn; Walter, Stephen	London Health Sciences Centre	Trial of concordance in heart dysfunction (TEACH).	<i>Educational interventions, heart failure, compliance.</i>	\$105,472	III
Haché, Robert J. G.	Ottawa Health Research Institute	Molecular analysis stimulation of human preadipocyte differentiation by glucocorticoids.	<i>Metabolic disease, obesity, glucocorticoid hormone action, preadipocyte differentiation, control of white fat desposition.</i>	\$82,922	I
Hammond, James R.	University of Western Ontario	Role of nucleoside transporters in the regulation of the vascular effects of adenosine and its metabolites.	<i>Transporters, endothelium, adenosine, oxidative-stress, preconditioning.</i>	\$69,473	I
Hatton, Mark W.C.; Clarke, Bryan J.	McMaster University	Comparative study of the procoagulant and pro-fibrinolytic nature of VX-2 tumours and their effusions when located in different body compartments.	<i>Tumour growth, malignant effusion, hemostasis factors, platelets, angiogenesis, anti-angiogenesis.</i>	\$68,873	I
Hayward, Catherine P.M.	McMaster University	Studies of the Quebec platelet disorder.	<i>Platelets, hemorrhagic stroke, Quebec platelet disorder, urokinase, fibrinolysis.</i>	\$87,877	I
Hayward, Catherine P.M.	McMaster University	Studies of multimerin proadhesive functions.	<i>Multimerin, platelet adhesion, extracellular matrix, endothelium, vascular proteins.</i>	\$81,864	I
Hegele, Robert A.	Roberts Research Institute	Genetic determinants of CHD risk in Canadian ethnic groups.	<i>Genetics, atherosclerosis, DNA, intermediate traits, risk factors, lipids.</i>	\$100,172	I

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Hegele, Robert A.	Robarts Research Institute	The phenomics of atherosclerosis in monogenic insulin resistance syndrome.	<i>Atherosclerosis biomarkers, DNA analysis, magnetic resonance imaging, ultrasound imaging, insulin resistance syndrome.</i>	\$92,979	I
Heximer, Scott P.; Zhang, Hangjun	University of Toronto	Defining the role of RGS proteins as mediators of vascular function.	<i>Hypertension, transgenic and knockout mice, G protein signaling, VSMC calcium imaging, perfusion myography.</i>	\$102,550	I
Hinek, Aleksander	Hospital for Sick Children	Elastin as a crucial factor modulating cellular proliferation - relevance to arterial diseases.		\$94,364	I
Holdsworth, David W.; Rankin, Richard N.	Robarts Research Institute	Investigation of flow in the stenosed carotid bifurcation.	<i>Stroke, carotid bifurcation disease, Doppler ultrasound, hemodynamics, artery-to-artery embolization.</i>	\$78,900	I
Hou, Sheng T.	National Research Council of Canada (Ottawa)	Neuropilin modulates axonal damage during neuronal death following cerebral ischemia.	<i>Cerebral ischemia, neuronal death, neuropilin, E2F1, gene expression.</i>	\$57,569	I
Huff, Murray W.	Robarts Research Institute	Regulation of ApoB metabolism: relationship to atherosclerosis.		\$133,489	I
Hughson, Richard L.	University of Waterloo	Integrative cerebrovascular and cardiovascular responses: effects of age and gender.	<i>Cerebral autoregulation, orthostatic hypotension, autonomic control, baroreflex, modeling.</i>	\$33,900	I, II
Husain, Mansoor	Toronto General Hospital	Role of plasma membrane Ca ²⁺ ATPase (PMCA) in vascular pathophysiology.	<i>Transgenic /knockout mice, cell calcium, smooth muscle cells, hypertension, atherosclerosis.</i>	\$27,858	I
Hutchison, James S.; Parshuram, Christopher S.; Sananes, Renée	Hospital for Sick Children	Hypothermia for cardiac arrest in pediatrics pilot study (HyP-CAP).	<i>Hypothermia, cardiac arrest, children, functional outcome.</i>	\$72,761	II
Igdoura, Suleiman A.; Trigatti, Bernardo L.	McMaster University	The impact of tissue-specific sialidase deficiency on atherosclerosis.	<i>Lipoproteins, atherosclerosis, adenovirus, macrophage, sialylation.</i>	\$68,720	I
Ikura, Mitsuhiro	University of Toronto	Structure, dynamics, and interaction of sarcoplasmic reticulum Ca ²⁺ -ATPase (SERCA).	<i>Ca²⁺ transporter, structural biology, NMR, SERCA, phospholamban.</i>	\$63,697	I
Ikura, Mitsuhiro	University of Toronto	Structural elucidation of intracellular calcium release channels.	<i>Ca²⁺ transport, structural biology, endoplasmic reticulum, molecular recognition, inositol phosphate.</i>	\$65,890	I
Irvine, Marilyn Jane; Dorian, Paul; Harris, Louise; Newman, David M.; Ritvo, Paul G.; Sears, Samuel F.	University Health Network	Psychological support for implantable defibrillator patients.	<i>Psychological intervention, arrhythmia.</i>	\$107,685	II
Janssen, Luke J.	McMaster University	Unidentified endothelium-derived signalling molecules are isoprostanes.	<i>Vascular smooth muscle, endothelium, ion channels, intracellular signalling, hypertension.</i>	\$51,368	I
Jia, Zhengping	Hospital for Sick Children	Molecular genetic analysis of AMPA glutamate receptor GluR2 and GluR3 in synaptic regulation and cell death.	<i>Glutamate receptors, excitotoxicity, synaptic regulation, knockout mice.</i>	\$75,309	I
Karmazyn, Morris	University of Western Ontario	Modulation of cardiomyocyte hypertrophy by nitric oxide and endothelin-1 in the aging myocardium.	<i>Nitric oxide, endothelin, cardiac hypertrophy, heart failure, aging, gender.</i>	\$95,296	I
Kawaja, Michael D.	Queen's University	Sympathetic hyperinnervation associated with the hypertensive phenotype of rats and mice.	<i>Hypertension, sympathetic, mesenteric arteries, neurotrophin, transgenic.</i>	\$74,772	I
Kearon, Clive; Bates, Shannon M.; Douketis, James D.; Ginsberg, Jeffrey S.; Julian, James A.; Kahn, Susan R.; Linkins, Lori-Ann	Hamilton Civic Hospital Research Centre	Selective D-dimer testing for diagnosis of deep vein thrombosis.		\$119,825	II

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Kearon, Clive; Douketis, James D.; Ginsberg, Jeffrey S.; Julian, Jim A.; Kahn, Susan R.; Wells, Philip S.	McMaster University	Thrombosis in family members of patients with unprovoked venous thromboembolism.	<i>Venous thrombosis, thrombophilia, clinical management, screening, counselling.</i>	\$67,154	I, II, III, IV
Keeley, Fred W.	Hospital for Sick Children	Recombinantly expressed polypeptides of human elastin as a novel tool for investigations of the structure, self-assembly and properties of elastin-like materials.	<i>Elastin, elastic tissue, blood vessels, extracellular matrix, biomaterial</i>	\$109,332	I
Kelton, John G.; Begbie, Megan E.; Moore, Jane C.	McMaster University	Platelet-mediated acute thrombotic disorders.	<i>Platelets, immune, thrombocytopenia, heparin, thrombosis.</i>	\$137,237	I, II
Khokha, Rama	Ontario Cancer Institute	Role of TIMP-3 in progression of cardiovascular disease.	<i>TIMP-3, genetic models, pressure overload, hypertrophy, ECM.</i>	\$73,500	I
Koschinsky, Marlys L.	Queen's University	Properties and pathophysiology of Lp(a) in the arterial wall.	<i>Lipoprotein (a), apolipoprotein (a), smooth muscle cells, endothelial cells, oxidation.</i>	\$75,524	I
Koschinsky, Marlys L.	Queen's University	Interactions of Lp(a) with the plasminogen system: mechanisms and pathophysiological consequences.	<i>Lipoprotein(a), apolipoprotein(a), plasminogen, thrombosis, atherosclerosis.</i>	\$90,732	I
Krahn, Andrew D.	London Health Sciences Centre	Genetic causes of arrhythmia.	<i>Long QT syndrome, exercise, genetics, bradycardia, electrocardiography.</i>	\$53,966	II
Kutryk, Michael J.B.	St. Michael's Hospital	Novel applications of progenitor endothelial cells.	<i>Progenitor endothelial cells, iPAH, HHR, angiogenesis, cardiac risk factors.</i>	\$42,597	I, II
Laneville, Odette	University of Ottawa	Translational control of prostaglandin endoperoxide H synthase-1 gene expression.	<i>Cyclooxygenase, megakaryocyte, gene expression, translation, binding proteins.</i>	\$61,026	I
Langille, B. Lowell	Toronto General Hospital	Arterial responses to hemodynamic stresses.	<i>Remodeling, mechanotransduction, shear, tensile stress, elastin.</i>	\$110,983	I
Langille, B. Lowell	Toronto General Hospital	Cadherins and regulation of smooth muscle cell function.	<i>Cadherin, polarity, migration, vascular smooth muscle, restenosis.</i>	\$75,012	I
Lee, Robert M.K.W.; Gao, Yu-Jing	McMaster University	Alterations in hypertensive arteries.	<i>Hypertension, artery, fat, vascular remodeling, vascular growth.</i>	\$73,171	I
Leenen, Frans H.H.	University of Ottawa Heart Institute	Sympathetic and cardiac effects of blockers in the RAAS in rats.	<i>Brain, heart, renin-angiotensin-aldosterone system, heart failure, blockers, sympathetic nerve activity.</i>	\$95,332	I
Letarte, Michelle V.	Hospital for Sick Children	Role of endoglin in normal vasculature and in the pathology of HHT.	<i>Vascular tone, endoglin, HHT, Vascular endothelium, gene profiling.</i>	\$90,097	I
Lewis, Gary F.	Toronto General Hospital	Mechanism of insulin sensitization with vasopeptidase inhibitors.	<i>Omapatrilat, vasopeptidase inhibitor, Zucker fatty rat, insulin resistance.</i>	\$62,705	I
Lewis, Gary F.	Toronto General Hospital	Regulation of HDL metabolism.	<i>HDL, apolipoprotein A, hypertriglyceridemia, lipase.</i>	\$87,460	I, II
Leytin, Valery; Gross, Peter L.	St. Michael's Hospital	Platelet apoptosis induced by chemical agonists and shear stresses.	<i>Platelets, apoptosis, thrombosis, collagens, shear stress.</i>	\$74,476	I
Li, Ren-Ke	Toronto General Hospital	Vasculogenesis induced by cell transplantation.	<i>Angiogenesis, cell transplantation, myocardial ischemia, cell culture, growth factors.</i>	\$87,760	I
Li, Ren-Ke	Toronto General Hospital	Gene-enhanced cell transplantation to reverse heart failure.	<i>Heart failure, growth factor, cell transplantation, myocardial hypertrophy, extracellular matrix.</i>	\$86,394	I
Lillicrap, David; James, Paula D.	Queen's University	The role of von Willebrand factor in arterial thrombosis.	<i>von Willebrand factor, arterial thrombosis, genetics, mouse model.</i>	\$89,185	I, II
Liu, Fang	Centre for Addiction and Mental Health	Uncoupling the protein-protein interaction between mGluR5 and NMDA receptors: a new approach in the	<i>Metatropic glutamate receptors, NMDA receptors, neurotoxicity, protein-protein interaction, stroke.</i>	\$49,022	I
Liu, Peter P.; Medin, Jeffrey A.	Toronto General Hospital	Cardiac remodeling: Role of intrinsic bone marrow stem cells and host regulatory factors.	<i>Heart failure, stem cells, reperfusion, differentiation.</i>	\$86,769	I
Liu, Peter P.; Stewart, Duncan J.	Toronto General Hospital	T-cell based immune mechanisms of chlamydial vascular injury.	<i>Chlamydia, vascular injury, immune mechanisms, atherosclerosis.</i>	\$111,269	I
Liu, Peter P.; Hinek, Aleksander	Toronto General Hospital	Aldosterone - receptor and non-receptor based mechanisms of repair and remodeling following cardiac injury.	<i>Aldosterone, remodeling, inflammation, signal transduction, elastase.</i>	\$98,542	I

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Liu, Peter P.; Yeh, Wen-Chen	Toronto General Hospital	"Danger signal", cell injury and "innate immune response" in regulating inflammation in cardiovascular disease.	<i>Inflammation, myocarditis, innate immunity, vaccine, heart failure.</i>	\$104,656	I, II
Lobe, Corrinne	Sunnybrook and Women's College Health Sciences Centre	Transgenic mouse models to study the role of Notch in blood vessel development.	<i>Notch pathway, transgenic mice, angiogenesis.</i>	\$73,877	I
Logan, Alexander G.	Samuel Lunenfeld Research Institute	Physician and patient surveys of home/self blood pressure monitoring.	<i>Blood pressure, hypertension, surveys, health services, population health.</i>	\$59,749	II, III, IV
Lucas, Alexandra R.	Robarts Research Institute	Mechanisms of serpin regulation of vascular repair.	<i>Serpins, viral antiinflammatory, atherosclerosis, thrombolysis.</i>	\$33,900	I
MacLennan, David H.	University of Toronto	Sites of interaction between phospholamban, sarcolipin and the cardiac calcium pump.		\$135,499	I
Mak, Alan S.	Queen's University	The role of PAK in smooth muscle cell motility and cytoskeleton organization.	<i>Smooth muscle, motility, contractility, kinases, signal transduction.</i>	\$84,170	I
Mak, Susanna	Mount Sinai Hospital	Estrogen and cardiac function in humans with and without heart failure.	<i>Sex, estrogen, ventricular function, heart failure.</i>	\$50,582	II
Marcel, Yves L.	University of Ottawa Heart Institute	Role of GULP in engulfment and cellular cholesterol trafficking.	<i>GULP, cholesterol, efflux, engulfment, macrophages.</i>	\$67,452	I
Marcel, Yves L.; Cohen, Jonathon; McPherson, Ruth	University of Ottawa Heart Institute	The genetic basis of cholesterol efflux defects in hypoalphalipoproteinemia.	<i>Atherosclerosis, dyslipoproteinemia, cholesterol, efflux, lipoproteins.</i>	\$75,000	I
Marsden, Philip A.	University of Toronto	Molecular regulation of the neuronal NO synthase gene: relevance to cerebrovascular and cardiovascular disease.	<i>Nitric oxide, endothelium, atherosclerosis, transcription, translation.</i>	\$107,750	I
Marsden, Philip A.	University of Toronto	Post-transcriptional regulation of eNOS expression.	<i>Nitric oxide, endothelium, atherosclerosis, transcription, translation.</i>	\$95,069	I
Marshall, John G.	Ryerson Polytechnic University	Biophysical and biochemical approaches to the diagnosis of myocardial infarction and stroke.	<i>Serum, diagnostic, mass spectrometry, atherosclerosis, lovostatin.</i>	\$73,900	I, II
Martin, Ruth E.; Hachinski, Vladimir	University of Western Ontario	Effects of oropharyngeal stimulation on swallowing recovery and cortical plasticity in hemispheric stroke: a randomized controlled trial with fMRI.	<i>Stroke, dysphagia, swallowing, orofacial, functional magnetic resonance imaging.</i>	\$87,700	II
Maurice, Donald H.	Queen's University	PDEs in blood vessels.	<i>cAMP, cGMP, signalling, smooth muscle, endothelium.</i>	\$94,313	I
McCulloch, Christopher A.G.; Seth, Arun	University of Toronto	Regulation of smooth muscle gene expression by mechanical loading.	<i>Actin, cardiac fibrosis, myofibroblast, mechanical tension, MAP kinases.</i>	\$88,954	I
McDermott, John C.	York University	Identification of MEF2 co-activators in heart.	<i>Gene expression, molecular, transcription, cardiomyocytes, differentiation.</i>	\$74,746	I
McPherson, Ruth; Dent, Robert; Harper, Mary-Ellen	University of Ottawa Heart Institute	Molecular determinants of susceptibility to type 2 diabetes.	<i>T2DM, obesity, adipocytes.</i>	\$91,684	I
McPherson, Ruth	University of Ottawa Heart Institute	Regulation of LRP gene expression.	<i>LRP, gene expression, adipocytes, lipoproteins.</i>	\$64,373	I
Megency, Lynn	Ottawa Health Research Institute	Non-linear modeling of MAPK induced cardiac hypertrophy.		\$67,745	I
Mehta, Sanjay; McCormack, David G.	Lawson Research Institute	Microvascular endothelial cell injury in murine sepsis.	<i>Microvasculature, sepsis, endothelial cell, nitric oxide, neutrophil.</i>	\$96,665	I
Melo, Luis G.; Dzau, Victor J.; Pachori, Alok	Queen's University	Cell based gene therapy to enhance healing and recovery of infarcted myocardium.	<i>Endothelial progenitor cell (EPC), genetic engineering, myocardial infarction, neovascularization.</i>	\$89,906	I
Miller, Freda D.	Hospital for Sick Children	SKPs, an accessible stem cell for the damaged nervous system.	<i>Stem cells, neural transplantation, Schwann cells, hippocampus, neurogenesis.</i>	\$68,304	I

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Milne, Ross W.; Braschi, Sylvie F.; Whitman, Stewart C.	University of Ottawa Heart Institute	Advanced glycation end products and diabetic atherosclerosis.	<i>Advanced glycation end products, diabetes, atherosclerosis, transgenic mice.</i>	\$66,245	I
Min, Wei-Ping; Zhong, Robert	University of Western Ontario	Tolerogenic dendritic cells preventing rejection of cardiac allograft through generation of T regulatory cells.	<i>Cardiac transplantation, tolerance, dendritic cells, T regulatory cells, immunomodulation.</i>	\$66,736	I
Min, Wei-Ping; Zhong, Robert	University of Western Ontario	Novel strategy for induction of tolerance in heart transplantation through siRNA silenced dendritic cells.	<i>Heart transplantation, tolerance, dendritic cell, RNA interference, immune modulation.</i>	\$75,667	I
Min, Wei-Ping	London Health Sciences Centre	Cellular therapy for transplant rejection by T regulatory cells generated through interaction with genetically modified dendritic cells.	<i>Heart transplantation, tolerance, dendritic cell, RNA interference, immune modulation.</i>	\$69,771	I
Monnier, Philippe P.	Toronto Western Research Institute	Mechanisms that control repulsive guidance molecule (RGM) biological activity.	<i>Neuronal survival, neuroregeneration, axonal outgrowth, brain ischemia, biochemistry, molecular biology.</i>	\$68,970	I
Morley, Paul	National Research Council of Canada (Ottawa)	Synaptic and extrasynaptic NMDA receptors in preconditioning.	<i>Preconditioning, tolerance, ischemia, stroke, neurotoxicity.</i>	\$64,729	I
Murkin, John M.; Lichtenstein, Samuel V.; Russell, James A.; Sandford, Andrew J.; Walley, Keith R.	London Health Sciences Centre	Genetic determinants of cognitive dysfunction following cardiopulmonary bypass.	<i>Cardiopulmonary bypass, genes, polymorphisms, cognitive dysfunction.</i>	\$92,129	III
Nag, Sukriti; Stewart, Duncan J.	University of Toronto	Regulation of cerebrovascular homeostasis and repair by angiogenic factors.	<i>Blood-brain barrier, cerebral vessels, angiogenesis, vascular endothelial growth factors, angiopoietins.</i>	\$74,124	I
Nesheim, Michael E.	Queen's University	The activation of TAFI and the properties of TAFIa.	<i>TAFI, TAFIa, fibrinolysis, x-ray crystallography, thrombomodulin.</i>	\$83,859	I, III
Newton, Gary E.	Mount Sinai Hospital	Free radical modulation of sympathetic activity and mechanical efficiency in the normal and failing human heart.	<i>Free radicals, heart failure, norepinephrine spillover, mechanical efficiency, vitamin C, nitric oxide.</i>	\$64,264	I, II
Ni, Heyu	St. Michael's Hospital	Novel mechanisms of platelet aggregation: role of alternative ligands of beta3 integrin in thrombosis and hemostasis.	<i>Platelet, thrombosis, integrin, hemostasis, vascular biology.</i>	\$64,232	I
Nurse, Colin A.	McMaster University	O2 sensing mechanisms in rat adrenal chromaffin cells.	<i>Chromaffin cells, hypoxia, patch clamp, catecholamines, culture.</i>	\$59,336	I
O'Brien, Edward R.M.	University of Ottawa Heart Institute	NM23-H2, an estrogen receptor beta associated protein: alterations in signal regulation and role in vascular cell function.	<i>Estrogen, receptors, atherosclerosis, coronary, hormones.</i>	\$68,540	I, II, IV
O'Brodovich, Hugh M.	Hospital for Sick Children	New approach to augment clearance of pulmonary edema.		\$98,296	I
Oforu, Frederick A.	McMaster University	Platelet-derived serine proteases and platelet activation.	<i>Platelets, blood coagulation, hemostasis, thrombin receptors, platelet activation.</i>	\$69,077	I
Opas, Michal	University of Toronto	Calreticulin: cell and developmental biology.	<i>Calreticulin, calcium, adhesion, ES cells, differentiation, microscopy.</i>	\$100,003	I
Opavsky, Mary Anne	Hospital for Sick Children	The coxsackie-adenovirus receptor: function meets infection in viral myocarditis and dilated cardiomyopathy.	<i>Myocarditis, coxsackievirus, signal transduction, coxsackie-adenovirus receptor, MAPKs.</i>	\$85,156	I
Pandey, Siyaram; Tanha, Jamshid	University of Windsor	Identification of unique domain antibodies (sdAb) against pro-apoptotic proteins.	<i>Neuronal cell death, apoptosis, hypoxia, intrabodies, phage display library, pharmacophore diverse combinatorial library and screening.</i>	\$56,000	I
Pang, Stephen C.	Queen's University	Pathogenesis of cardiac hypertrophy in ANP gene disrupted mice.	<i>Atrial natriuretic peptide, renin angiotensin system, cardiac hypertrophy, salt-sensitive hypertension, gene knockout mice.</i>	\$79,533	I
Park, David S.; Albert, Paul	University of Ottawa	Mechanisms of delayed death in stroke.	<i>Central nervous system, stroke, behaviour abnormalities.</i>	\$80,600	I

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Parker, John D.	Mount Sinai Hospital	Neurochemical effects of different pacing modalities in CHF: insights from studies of cardiac and renal sympathetic activity.		\$100,215	II
Parkinson, John; Keeley, Fred W.	Hospital for Sick Children	A combined theoretical/experimental approach to understanding sequence - structure - function relationships in elastin and elastin-like peptides.	<i>Elastin, biomechanics, bioinformatics, self-assembly, computer simulation.</i>	\$38,560	I
Parshuram, Christopher S.; Beyene, Joseph; Hutchison, James S.	Hospital for Sick Children	Pediatric early warning system: a system-based tool to prevent cardiorespiratory arrest in children.	<i>Code blue, early detection, prevention.</i>	\$58,260	II
Petrella, Robert J.	University of Western Ontario	Staged nutrition and activity counseling (SNAC). Linking lifestyle, clinical and physiological outcomes in prevention of cardiovascular disease in primary care.	<i>Diet and exercise counseling, family medicine, hypertension, impaired glucose tolerance, endothelial dysfunction.</i>	\$22,373	II
Pickering, J. Geoffrey	Robarts Research Institute	Regulation of smooth muscle cell differentiation and longevity.	<i>Smooth muscle cell, cell maturation, cell longevity, NAD, vessel remodeling.</i>	\$101,106	I
Puri, Mira C.; Letarte, Michelle	Sunnybrook and Women's College Health Sciences Centre	Role of endoglin in mammalian cardiovascular development.	<i>Arteriovenous malformation, endothelium, endocardial cushion, embryogenesis, mouse model.</i>	\$66,943	I
Pyle, William Glen	University of Guelph	Hormonal regulation of myocardial function.	<i>Relaxin, myofilaments, intracellular signalling, mechanics, myocardium.</i>	\$52,201	I
Rand, Margaret L.	Hospital for Sick Children	The procoagulant surface of activated platelets: persistence in vitro and in vivo.	<i>Platelets, thrombosis, procoagulant activity, platelet survival.</i>	\$78,521	I
Reid, Robert D.; Blanchard, Chris M.; Higginson, Lyall A.J.; Morrin, Louise I.N.; Oldridge, Neil; Pipe, Andrew L.; Wells, George A.; Wielgosz, Andreas T.	University of Ottawa Heart Institute	Efficacy and cost-effectiveness of behavioural counselling for exercise behaviour in men and women following AMI and PCI.	<i>Coronary artery disease, secondary prevention, early intervention, physical activity.</i>	\$76,997	II, III
Renaud, Leo P.	Ottawa Health Research Institute	Suprachiasmatic nucleus efferents.	<i>Patch clamp, cell electrophysiology, transmitters, biological clock, hypothalamus.</i>	\$62,394	I
Robinson, Lisa A.	Hospital for Sick Children	Cellular regulation of fractalkine.		\$85,972	I
Rochon, ELizabeth A.; Grady, Cheryl; Graham, Simon J.	University of Toronto	Neural, linguistic, and communicative changes after treatment for anomia in aphasia.	<i>Aphasia, rehabilitation, neuroimaging, communication.</i>	\$111,130	I
Rodger, Marc A.; Keating, Sarah J.; Kingdom, John; Smith, Graeme N.; Wen, Shi Wu; Yang, Qiuying	Ottawa Health Research Institute	TAPP - Thrombophilia and Placental Pathology.	<i>Pregnancy complications, cohort study, thrombophilia, placental villous infarction.</i>	\$41,336	I, II, III, IV
Ross, Heather J.; Abbey, Susan; Delgado, Diego; Desai, Nimesh Dilip; Maclver, Jane	Toronto General Hospital	Congestive heart failure offering individualized choice evaluation study (CHOICES).	<i>Congestive heart failure, quality of life, utility, left ventricular assist device, decision analysis.</i>	\$39,324	II

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Roy, Eric A.; Adams, Scott; Danckert, James; Dixon, Michael J.; Hebert, Deborah; Park, Norman W.	University of Waterloo	Neuropsychological profiles and neuroimaging correlates of limb apraxia.	<i>Apraxia, aphasia, cognitive neuroscience, neuropsychology, cognitive neurology, movement control, manual asymmetries.</i>	\$45,643	II
Rubens, Fraser D.; Bourke, Michael; De Varennes, Benoit; Dupuis, Jean-Yves; Kiaii, Bob; Nathan, Howard J.; Mesana, Thierry; Wells, George A; Wells, Philip S; Bourke, Michael; Hamilton, G. Andrew Y.	University of Ottawa Heart Institute	Transfusion reduction and modified ultrafiltration after cardiopulmonary bypass (TRAM trial) - a pilot feasibility trial.	<i>Transfusion, cardiac surgery, modified ultrafiltration.</i>	\$122,941	I, II
Rubin, Barry B.; Degousee, Norbert	Toronto General Hospital	Impact of mPGES-1 gene deletion on myocardial ischemia reperfusion injury.	<i>Prostaglandins, myocardial ischemia, heat shock proteins, mesenchymal stem cell, transgenic mice.</i>	\$77,308	I
Rush, James W.E.	University of Waterloo	Exercise and antioxidants in hypertension: vascular endothelial adaptations.	<i>Exercise, hypertension, vascular endothelium, nitric oxide, oxidative stress.</i>	\$62,496	I
Schlichter, Lyanne C.	Toronto Western Hospital	Microglia activation and ischemic damage to brain cells.	<i>Neuroimmune cells, ion channels, microglia function, neuroprotection, fluorescence assays.</i>	\$80,684	I
Schlichter, Lyanne C.; Corbett, Dale R.; Peeling, James	Toronto Western Hospital	Targeting K channels to control inflammation in stroke.	<i>Intracerebral hemorrhage, focal ischemia, retinal ischemia, optic nerve transection, potassium channels, CNS inflammation, immune-cell activation.</i>	\$107,499	I
Sharma, Arya M.; Gerstein, Hertzell C.; Pogue, Janice M.; Tarnopolsky, Mark; Yusuf, Salim	McMaster University	Biological determinants of the differences in metabolic and cardiovascular risk factors between South Asians and European caucasians.	<i>Ethnicity, obesity, diabetes, adipose tissue, skeletal muscle.</i>	\$97,517	I, II, IV
Sheffield, William P.	McMaster University	Building novel antithrombotic serpins using directed or selectable mutational approaches.	<i>Serpins, thrombosis, protein engineering, thrombin, coagulation.</i>	\$66,633	I
Sheffield, William P.	McMaster University	Improving antithrombotic proteins and peptides by genetic fusion, combined administration and engineered latency.	<i>Thrombosis, protein engineering, thrombin, platelets, coagulation.</i>	\$33,900	I
Shoemaker, J. Kevin; Cechetto, David F.	University of Western Ontario	Central sympathetic control in humans.	<i>Functional magnetic resonance imaging, brain stem, sympathetic nerve activity, human, baroreceptors, sympathoinhibition.</i>	\$71,825	II
Silverman, Earl D.; Adeli, Khosrow; Bargman, Joanne M.; McCrindle, Brian W.	Hospital for Sick Children	The role of traditional and non-traditional risks in the development of atherosclerosis in pediatric SLE.	<i>Atherosclerosis, SLE, pediatrics, ultrasound, perfusion scans.</i>	\$90,618	II
Siu, Samuel C.; Colman, Jack M.; Sermer, Mathew	Toronto General Hospital	Maternal cardiac output and fetal well being in women with heart disease.	<i>Fetal well-being, maternal cardiac output.</i>	\$45,400	II
Slack, Ruth S.	University of Ottawa	SIVA, a key death regulator following neuronal injury.	<i>Stroke, apoptosis, neurons, transgenic mice, molecular.</i>	\$86,980	I
Smith, Steven P.	Queen's University	Dissecting lipoprotein (a) assembly and function at the molecular level: structural studies of apolipoprotein (a) - ligand interactions.	<i>Lipoprotein (a), apolipoprotein (a), kringle modules, protein-protein interactions, nuclear magnetic resonance spectroscopy, protein structure.</i>	\$68,350	I
Sole, Michael J.; Belsham, Denise D.; Ralph, Martin R.	Toronto General Hospital Research Institute	Circadian rhythms in the heart.		\$152,120	I

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Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Sorisky, Alexander	Ottawa Health Research Institute	Regulation of the pro-atherogenic adipokine IL-6 by TSH.		\$85,817	I
Sparks, Daniel L.	University of Ottawa Heart Institute	The role of HDL in triglyceride metabolism.	<i>HDL, cholesterol, apolipoproteins, lipases, heart disease.</i>	\$62,253	I
Spence, John David; Gaudet, Daniel	Robarts Research Institute	Determinants of atherosclerosis: linkage studies 2. Chicoutimi phenotyping project.		\$75,771	II
Spence, John David; Hegele, Robert A.; Lucas, Alexandra R.; Madrenas, Joaquin	Robarts Research Institute	Biomarkers in vulnerable carotid plaque with microemboli or ulcers.	<i>Atherosclerosis, hypothyroidism, clinical trials, 3D ultrasound plaque measurement.</i>	\$94,700	I, II
Stanimirovic, Danica B.	National Research Council of Canada (Ottawa)	Neurovascular unit in stroke.		\$58,705	I
Stewart, Duncan J.; Han, Robin N.N.; Husain, Mansoor	St. Michael's Hospital	NO synthase in cardiovascular health and disease.		\$90,035	I
Suskin, Neville G.; Arnold, J. Malcolm O.; McKelvie, Robert S.	London Health Sciences Centre	Evaluation of the impact of exercise training on insulin resistance in heart failure.	<i>Cardiac rehabilitation, clinical trials, insulin resistance, secondary prevention.</i>	\$31,357	II
Sweeney, Gary	York University	Regulation of glucose and fatty acid uptake and metabolism in cardiomyocytes by adiponectin.	<i>Adiponectin, glucose, fatty acid, obesity, diabetes.</i>	\$63,000	I
Tein, Ingrid	Hospital for Sick Children	Carnitine-responsive cardiomyopathy and the different-affinity carnitine transporters.	<i>Carnitine metabolism, carnitine transport, kinetic studies, expression studies, mouse model.</i>	\$87,025	I
Templeton, Douglas M.	University of Toronto	Mechanisms of iron accumulation and toxicity in cardiac myocytes and interstitial fibroblasts.	<i>Iron overload, cardiac fibrosis, iron transport, cardiomyocyte, myofibroblast.</i>	\$71,969	I
Touyz, Rhian M.	University of Ottawa	Vascular regulation by magnesium in hypertension.	<i>Magnesium, vessels, hypertension, oxidative stress, ion transport.</i>	\$93,828	I
Trigatti, Bernardo L.	McMaster University	Effects of tissue specific expression or suppression of the HDL receptor SR-BI on atherosclerosis and coronary artery disease.	<i>Transgenic, knockout, HDL receptor, atherosclerosis, coronary artery disease.</i>	\$83,598	I
Tsushima, Robert G.; Gaisano, Herbert	University of Toronto	SNARE protein interactions with cardiac and vascular Kv channels.	<i>Potassium channels, SNARE proteins, electrophysiology, cardiac myocytes, vascular smooth muscle cells.</i>	\$74,877	I
Tsushima, Robert G.	University of Toronto	Regulation of cardiac nonselective cation channels.	<i>TRPC channels, electrophysiology, cardiac myocytes, caveolin, SNARE proteins.</i>	\$74,795	I
Tu, Jack V.; Anderson, Geoffrey M.; Austin, Peter C.; Feindel, Christopher M.; Fremes, Stephen E.; Naylor, C. David; Novick, Richard J.	Institute for Clinical Evaluative Sciences-Toronto	Understanding the link between quality of care and outcomes report cards for coronary artery bypass graft (CABG) surgery in Ontario.	<i>CABG surgery, report cards, preventable death, quality of care, evidence-based processes of care.</i>	\$54,320	II, III
Tu, Jack V.; Alter, David A.; Austin, Peter C.; Juurink, David N.; Ko, Dennis T.; Lee, Douglas S.Y.; Mamdani, Muhammad M.	Sunnybrook and Women's College Health Sciences Centre	Improving the quality of acute myocardial infarction care in Canada.	<i>Acute myocardial infarction, health services research, quality of care, mortality, drug utilization, quality indicators.</i>	\$123,533	II, III, IV

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Tu, Karen; Campbell, Norman; Hux, Janet; McAlister, Finlay A.	Institute for Clinical Evaluative Sciences-Toronto	Developing methodology for examining trends in the management of hypertension.		\$68,462	III
Tuana, Balwant S.	University of Ottawa	SLAPs: a novel family of tail-anchored membrane proteins from myocardium.	<i>Sarcolemma, E-C coupling, membrane docking, coiled-coil proteins.</i>	\$136,208	I
Tyml, Karel; Laird, Dale W.	University of Western Ontario	Hypoxia/reoxygenation and vascular cell coupling.	<i>Microcirculation, capillary, endothelial cell, ischemia, reperfusion.</i>	\$90,800	I
Verma, Subodh; Weisel, Richard D.	Toronto General Hospital	Modulating endothelial progenitor cells for myocardial regeneration. Role of PPARy.		\$68,860	I
Warkentin, Theodore E.	McMaster University	Heparin-induced thrombocytopenia.	<i>Platelet, heparin, IgG, thrombocytopenia, thrombosis.</i>	\$77,097	I
Warkentin, Theodore E.; Moore, Jane C.; Morgan, David G.	McMaster University	vWF multimers, cardiovascular disease, and bleeding angiodyplasia.	<i>von Willebrand factor, multimer, shear-dependent proteinase, aortic stenosis, peripheral vascular disease.</i>	\$90,568	II
Weisel, Richard D.; Fazel, Shafie; Verma, Subodh	Toronto General Hospital	Cardiac regeneration by cell transplantation.		\$74,910	I
Weisel, Richard D.; Fazel, Shafie	Toronto General Hospital	Enhancing endogenous repair by cell therapy.	<i>Myocardial infarction, ventricular remodeling, cardiac regeneration, matrix remodeling, angiogenesis.</i>	\$68,192	I
Weitz, Jeffrey I.	McMaster University	Mechanism of plasminogen activator-induced bleeding.	<i>Plasminogen activators, plasmin, fibrinogen, thrombosis.</i>	\$105,466	I
Weitz, Jeffrey I.; Klement, Petr	McMaster University	Improving the effectiveness of thrombolytic therapy.	<i>Coagulation, fibrinolysis, anticoagulants, plasminogen activators, thrombolysis.</i>	\$108,794	I
Wells, James W.	University of Toronto	Nature of the signalling complex between cardiac muscarinic receptors and G proteins.	<i>Heart disease, muscarinic cholinergic receptor, G protein, co-operativity, oligomers, signalling mechanism.</i>	\$86,292	I
Wells, Philip S.; Anderson, David R.; Genest, Jr., Jacques; Kovacs, Michael J.; Rodger, Marc A.; Shapiro, Stanley H.	Ottawa Hospital-Civic Site	The role of inflammation and thrombophilia in the post-thrombotic syndrome: the bio-sox study.	<i>Post-thrombotic syndrome, predictors, thrombophilia, SNP analysis, inflammation, D-dimer.</i>	\$50,445	II
Wells, R. Glenn; de Kemp, Robert A.; Lee, Ting-Yim	Lawson Research Institute	Respiratory-gated attenuation correction in cardiac PET/CT.	<i>PET, 4D CT, respiratory motion, attenuation correction, heart disease.</i>	\$60,837	I
Wen, Shi Wu; Krewski, Daniel; Smith, Graeme N.; Walker, Mark C.; Yang, Qiuying	Ottawa Health Research Institute	Environmental carbon monoxide (CO) level and the risk of pre-eclampsia (PE) - summary of research proposal.	<i>Pre-eclampsia, carbon monoxide, cardiovascular risk, population health, epidemiology.</i>	\$21,235	IV
Werstuck, Geoffrey H.; Capretta, Alfredo	McMaster University	Investigating the role of GSK3 in atherogenesis: rational design, synthesis and screening of novel GSK3 inhibitors as anti-atherogenic therapies.	<i>Atherosclerosis, glycogen synthase kinase (GSK)-3, inhibitors, diabetes mellitus, hyperhomocysteinemia.</i>	\$71,302	I
West, Lori J.	Hospital for Sick Children	Mechanisms of cardiac allograft tolerance induced during immaturity.	<i>Tolerance, neonatal, transplantation, heart graft, rejection.</i>	\$87,783	I
West, Lori J.	Hospital for Sick Children	Investigation of neonatal immune tolerance induced by the ABO-incompatible heart transplantation in a murine model.	<i>Heart transplant, immune tolerance, neonatal, ABO antigens, molecular chimerism.</i>	\$102,271	I

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Whitman, Stewart C.	University of Ottawa Heart Institute	The role of innate immune system in atherosclerosis: defining the contribution of both natural killer cells and natural killer T cells to the disease process.	<i>Atherosclerosis, LDLr -/- mice, laser capture microdissection, microarray analysis, histology.</i>	\$96,461	I
Wilson, Gregory J.; Backx, Peter H.	Hospital for Sick Children	Myocardial preconditioning protection: role of cell volume regulation.	<i>Myocardium, ischemia, preconditioning, calcium homeostasis.</i>	\$121,801	I
Wisenberg, Gerald; Merrifield, Peter A.; Prato, Frank S.	Lawson Research Institute	Optimizing the administration of marrow-derived stem cells to repair left ventricular structure and function in a canine model of myocardial infarction.	<i>Myocardial infarction, stem cell delivery, magnetic resonance imaging, positron emission tomography, SPECT imaging.</i>	\$99,030	I
Wittnich, Carin	University of Toronto	Oxygen stress in newborn hearts.	<i>Newborn heart, postnatal development, hypoxia, function, metabolism, ischemia, children, congenital.</i>	\$97,004	I
Wittnich, Carin	University of Toronto	Impact of gender and sex hormones on myocardial pathology & responses to ischemia/reperfusion.	<i>Gender, estrogen, testosterone, progesterone, hypertrophy, SERM, metabolism, function.</i>	\$84,506	I
Wojtowicz, Martin J.	University of Toronto	Role of neurogenesis in functional recovery after cerebral ischemia.	<i>Neurogenesis, hippocampus, ischemia, electrophysiology, immunohistochemistry, recovery, stroke, learning.</i>	\$61,584	I
Yao, Zemin	University of Ottawa Heart Institute	Functional analysis of apoB R463W mutation associated with human familial hypobetalipoproteinemia.	<i>Hypertriglyceridemia, apoCIII, VLDL assembly, cell culture, transgenic mice.</i>	\$69,243	I
Yao, Zemin	University of Ottawa Heart Institute	Hepatic lipase and hypoalphalipoproteinemia.	<i>Hepatic lipase, cholesterol, lipoproteins, recombinant DNA, transgeneis.</i>	\$64,465	I
Yau, Terrence M.	Toronto General Hospital	Myocardial transgene expression in transplanted cells.	<i>Gene therapy, angiogenesis, cell transplantation, ventricular dysfunction, coronay artery disease.</i>	\$103,648	I
Young, Edward; Shaughnessy, Stephen G.	McMaster University	The anti-inflammatory role of a low molecular weight heparin lacking anticoagulant activity.	<i>Low molecular weight heparin (LMWH), anti-inflammatory, ischemia reperfusion, cardiomyocytes, neutrophils.</i>	\$75,562	I
Yu, Xian-Min	University of Toronto	Understanding the actions of intracellular sodium in the regulation of NMDA receptor activity and excitotoxicity.	<i>Sodium, calcium, NMDA receptors, channel activity, neurotoxicity.</i>	\$83,276	I
Yusuf, Salim; Anand, Sonia S.; McQueen, Matthew J.; Merchant, Anwar T.; Teo, Koon K.	McMaster University	The INTERHEART study.	<i>Risk factors, myocardial infarction, ethnicity.</i>	\$147,450	IV
Zha, Xiaohui	Ottawa Health Research Institute	ABCA1-mediated cholesterol efflux and intracellular cholesterol transport.	<i>ABCA1, cholesterol, membrane, fluorescent microscopy, trafficking.</i>	\$69,317	I
Zhang, Liang	Toronto Western Research Institute	Hippocampal hyperexcitability in rats after prolonged post-ischemic survival: a model of post-stroke epileptic seizures.		\$66,008	I

Group/Program Grants

Subventions de groupe et de programme

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Co-applicant(s) Co-chercheur(s)	Funding Financement	Theme Thème
Floras, Dr. John S.	Mount Sinai Hospital	Multidisciplinary group for the investigation and therapy of human cardiovascular disease	<i>Newton, Gary E.; Parker, John D.; Bradley, T. Douglas; Chauhan, Vijay S.</i>	\$100,000	
Huff, Dr. Murray W.	Robarts Research Institute	Vascular cell responses in atherosclerosis: a genomics approach	<i>Pickering, Geoffrey; Hegele, Robert; Lucas, Alexandra; Kelvin, David; Feldman, Ross; Ferguson, Stephen</i>	\$250,000	

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Group/Program Grants Subventions de groupe et de programme

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Co-applicant(s) Co-chercheur(s)	Funding Financement	Theme Thème
Karmazyn, Dr. Morris	University of Western Ontario	A multidisciplinary, integrative approach towards the study of heart failure	<i>Sims, Stephen M.; Narayanan, Njanoor; Jones, Douglas L.; Chidiac, Peter; Chakrabarti, Subrata; Feng, QingPing</i>	\$240,000	
Langille, Dr. B. Lowell	Toronto General Hospital	Cell biology of atherosclerosis	<i>Bendeck, Michelle; Cybulsky, Myron; Gotlieb, Avrum; Husain, Mansoor; Marsden, Philip; Strauss, Bradley; Ward, Michael</i>	\$249,915	
Leenen, Dr. Frans H.H.	University of Ottawa Heart Institute	Molecular and genetic bases for coronary artery disease and the progression to heart failure	<i>O'Brien, Edward R.; Tesson, Frederique; Tuana, Balwant S.; Whitman, Stewart C.</i>	\$150,000	
Wells, Dr. Philip S.	Ottawa Health Research Institute	Thrombophilia: from bench to bedside to health economics and policy	<i>Gagnon, France; Walker, Mark; Rodger, Marc</i>	\$250,000	

Health Behaviour Research Initiative

Initiative de recherche sur la santé et les habitudes de vie

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Allison, Dr. Kenneth R.	University of Toronto	Physical activity promotion among youth		205,906	
McDonald, Dr. Paul W.	University of Waterloo	Improving the population impact of telephone-based counseling for the treatment of smoking		146,350	
Nolan, Dr. Robert P.	University Health Network, General Div.	Community Outreach Heart Health Risk Reduction Trials: (COHRT)		137,085	
Reid, Dr. Robert D.	University of Ottawa Heart Institute	Interventions to promote physical activity for the secondary prevention of cardiovascular disease		219,275	

Stroke Rehabilitation

Réadaptation après un AVC

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Huijbregts, Dr. Maria PJ	Baycrest Centre for Geriatric Care	Filling the community programming gap in northern Ontario: Telehealth dissemination of a stroke self-management program	<i>Stroke, community reintegration, self-management, rehabilitation.</i>	98,669	

Age 45+ with Elevated Systolic Blood Pressure

45 ans et plus avec tension artérielle systolique élevée

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Myers, Dr. Martin G.	Sunnybrook Health Science Centre	Automated office blood pressure measurement	<i>Blood pressure measurement, systolic hypertension.</i>	392,600	

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Quebec

Québec

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Allen, Bruce G.	Montreal Heart Institute	Molecular pharmacology of endothelin receptors in adult rat ventricular myocytes.	<i>Endothelin, receptor, G protein, cardiac myocyte, adult</i>	\$17,500	I
Anand-Srivastava, Madhu B.	Université de Montréal	Role of oxidative stress in diabetes/hyperglycemia-induced impaired G-protein signaling and cell function/proliferation.	<i>Diabetes, hyperglycemia, oxidative stress, adenylyl cyclase, G-protein, vascular smooth muscle.</i>	\$13,000	I
Arsenault, Marie; Couet, Jacques	Hôpital Laval	Cardiac adaptations to chronic aortic regurgitation.	<i>Aortic valve, regurgitation, ventricular function, echocardiography.</i>	\$17,500	I, II
Aubry, Muriel	University of Montreal	Heart development disorders and transcription factors.	<i>Transcription factors, gene regulation, heart development, DiGeorge syndrome.</i>	\$13,000	I
Bachelard, Hélène; Larivière, Richard	CHUQ	Role of endothelial NO in vascular and metabolic dysfunctions related to insulin resistance.	<i>Insulin resistance, endothelial dysfunction, vascular reactivity, regional blood flow, in vivo gene transfer</i>	\$13,000	I
Barbier, Olivier	Université de Laval	Inhibition of bilirubin glucuronidation by cholesterol-lowering drugs: a novel mechanism for the reduction of atherogenesis.	<i>Bilirubin, anti-oxidant, atheroprotection, glucuronidation, cholesterol-lowering drugs.</i>	\$13,000	I, IV
Billette, Jacques	Université de Montréal	Role of dual pathways in rate-dependent AV nodal responses.	<i>Electrophysiology, AV node, dual pathways, supraventricular tachyarrhythmia mechanisms.</i>	\$13,000	I
Bkaily, Ghassan	Université de Sherbrooke	Modulation of nuclear calcium cycling by ET-1 in heart cells.	<i>Nucleus, endothelin-1, pharmacology, calcium heart.</i>	\$13,000	I
Blanchet, Sophie S.B.	Inst. de réadaptation en déficience phys de Québec	Rehabilitation of episodic memory disorders in patients with frontal stroke: impact on cerebral organization and life habits.	<i>Neuropsychology, memory, cognitive rehabilitation, event-related potentials, frontal stroke, life habits.</i>	\$13,000	I, II, IV
Blostein, Mark D.	Jewish General Hospital	Role of gamma-carboxyglutamic acid.	<i>Gamma-carboxylation, factor IX, angiogenesis, tissue factor, gas6.</i>	\$13,000	I
Bogaty, Peter; Brophy, James M.	Hôpital Laval	Evaluation of a novel multi-marker approach (CRP and P-selectin) to risk stratification in acute coronary syndromes.	<i>CRP, inflammation, adhesion molecule, acute coronary syndrome.</i>	\$13,000	II
Boulay, Guylain	Université de Sherbrooke	Mécanisme cellulaire d'entrée capacitative et non-capacitative du calcium.	<i>Calcium, canaux, spectrophotométrie, clonage, protein interaction.</i>	\$13,000	I
Bouvier, Michel	University of Montreal	Molecular basis of beta-adrenergic receptor signaling efficacy.	<i>Beta-adrenergic receptor, regulation, dimerization, signaling efficacy, G-proteins.</i>	\$17,500	I
Brissette, Louise	Université du Québec à Montréal	Oxidized LDL metabolism.		\$13,000	I
Brophy, James M; Joseph, Lawrence; Rouleau, Jean-Lucien; Yusuf, Salim	McGill University	Beta-blockers in congestive heart failure (CHF): a meta-analysis based on individual patient data.	<i>Beta-blockers, meta-analysis, congestive heart failure, individual patient data, sub-group analysis.</i>	\$17,500	II, IV
Calderone, Angelo	Montreal Heart Institute	ANP regulation in scar myofibroblasts.	<i>Reparative fibrosis, myofibroblasts, ANP, sympathetic system, transgenics.</i>	\$13,000	I
Cardinal, René	Hôpital du Sacré-Coeur de Montréal	Substrates of reentrant ventricular tachycardias in the pathologic ventricle.	<i>Ventricular tachycardia, myocardial ischemia, congestive heart failure, multi-point mapping, cellular electrophysiology, antiarrhythmic drugs.</i>	\$17,500	I
Carpentier, André C.	Université de Sherbrooke	Intravascular lipolysis of triglyceride-rich lipoproteins on myocardial substrate selection in nutritional rat models of insulin resistance and type 2 diabetes.	<i>Lipoprotein metabolism, diabetes, insulin resistance, myocardial metabolism, positron emission tomography.</i>	\$17,500	I

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Chahine, Mohamed	Université Laval	Le canal sodique cardiaque et son implication dans des troubles de rythme héréditaires.		\$13,000	I
Chalifour, Lorraine E.	SMBD - Jewish General Hospital	Role of Egr-1 in cardiovascular dysfunction and remodeling.	<i>Transgenic mice, telemetry, gene expression, cell culture, Egr-1.</i>	\$13,000	I
Chemtob, Sylvain	Hôpital Sainte-Justine	Mechanisms of hypercapnia-induced retinal vasoobliteration: implications in retinopathy of prematurity.	<i>Free radicals, nitric oxide, retina, cell death, thromboxane.</i>	\$13,000	I
Couet, Jacques; Arsenault, Marie	Institut de Cardiologie de Québec	Experimental aortic stenosis in small animal model.	<i>Aortic valve stenosis, diet, atherosclerosis, calcification, lipids.</i>	\$13,000	I
Couture, Patrick; Lamarche, Benoit	Laval University Medical Center (CHUL)	ApoB100 metabolism in familial hypercholesterolemia.	<i>Apolipoprotein B100, LDL receptor, familial hypercholesterolemia, lipoprotein metabolism, HMG CoA reductase inhibitors.</i>	\$13,000	II
Ditto, Blaine; Arsenault, André; Bacon, Simon L.; Campbell, Tavis	McGill University	Blood pressure, pain sensitivity, and silent ischemia.	<i>Pain sensitivity, hypoalgesia, blood pressure, hypertension, silent ischemia.</i>	\$17,500	I, II
Drolet, Guy	Centre hospitalier de l'Université Laval	Opioid regulation of salt intake.	<i>Neuroregulation, salt appetite, opioid peptide, salt-sensitive hypertension.</i>	\$13,000	I
Dupuis, Jocelyn	Institut de cardiologie de Montréal	Clairance pulmonaire de l'adrénomédulline.	<i>Adrénomédulline, endothélium, hypertension pulmonaire, circulation pulmonaire, métabolisme pulmonaire.</i>	\$13,000	I
Eisenberg, Mark J.; Lawrence, Joseph; O'Loughlin, Jennifer; Paradis, Gilles; Pilote, Louise	Sir Mortimer B. Davis Jewish General Hospital	The ZESCA trial.	<i>Smoking cessation, epidemiology, clinical trials, acute coronary syndrome.</i>	\$13,000	II
Escher, Emanuel	Université de Sherbrooke	Development and utilization of molecular tools for research on peptide transmitter receptors.	<i>G-protein coupled receptors, photoaffinity labeling, peptide synthesis, angiotensin II receptors, molecular modelling.</i>	\$13,000	I
Filep, Janos	Université de Montréal	C-reactive protein: a link between inflammation and acute coronary artery disease.	<i>C-reactive protein, inflammation, leukocytes, apoptosis, acute coronary syndromes.</i>	\$11,810	I
Fiset, Céline	Montreal Heart Institute	Male-female differences in cardiac repolarization: hormonal regulation of cardiac K ⁺ channel expression.	<i>Potassium channels, electrophysiology, mouse heart, gender difference, sex steroid hormones.</i>	\$13,000	I
Gallo-Payet, Nicole; Payet, Marcel-Daniel	Université de Sherbrooke	Rôle de l'angiotensine II dans les cellules glomérulaires de la glande surrénale. Implication de l'environnement cellulaire.	<i>Récepteurs AT1, angiotensine II, cellules glomérulaires, fibronectine, intégrines, cytosquelette.</i>	\$13,000	I
Genest, Jacques; Krimbou, Larbi; Marcil, Michel	McGill University	ABCA1, Lp(E) and LDL receptor-related protein (LRP)	<i>HDL, apo E, apo AI, ABCA1, LDL related protein receptor (LRP), phosphorylation.</i>	\$13,000	I
Giaid, Adel	Montreal General Hospital	Cardiovascular significance of urotensin-II system deletion and overexpression.	<i>Urotensin-II, heart failure, atherosclerosis, transgenic mice, knockout mice.</i>	\$13,000	I
Glavinovic, Mladen I.	McGill University	Control of catecholamine release in neuroendocrine cells.	<i>Catecholamines, vesicular secretion, electrochemistry, parameter estimation, Monte Carlo simulation.</i>	\$13,000	I
Gobeil, Fernand	Université de Sherbrooke	Expression des gènes pro-inflammatoires par les récepteurs B2 nucléaires.	<i>Pharmacologie, système cardiovasculaire, hormone peptidique, dév. de médicaments, synthèse peptidique, modèle expérimental animal, exp. génique.</i>	\$13,000	I
Goldsmith, Harry L.	Montreal General Hospital	Neutrophil and platelet interactions mediated by vascular adhesion molecules.	<i>Platelets, leukocytes, bond strength, adhesion, thrombosis.</i>	\$13,000	I

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Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Greenwood, Michael T.	McGill University	Functional analysis of the cardiac and skeletal muscle specific RGS5.	<i>Signal transduction, G protein coupled receptors, molecular cardiology, yeast genetics, mutagenesis, regulators of G-protein signalling (RGS).</i>	\$13,000	I
Guillemette, Gaétan	Université de Sherbrooke	Propriétés moléculaires et fonctionnelles des récepteurs de l'inositol 1, 4,5-trisphosphate dans l'endothélium.	<i>Endothélium, récepteur de l'inositol 1,4,5-trisphosphate, calcium phosphorylation, signalisation intracellulaire.</i>	\$17,500	I
Hébert, Terence E.	Montreal Heart Institute	Composition, ontogeny and biosynthesis of specific GPCR signaling complexes.	<i>Signaling, G proteins, organization, heart failure, adrenergic receptors.</i>	\$13,000	I
Hussain, Sabah N.A.	Royal Victoria Hospital	Role of NADPH oxidase in signalling and biological effects of the angiotensin-1/tie-2 pathway in endothelial cells.	<i>Angiogenesis, apoptosis, oxygen radicals, NADPH oxidase, endothelial cells.</i>	\$13,000	I
Jacques, Danielle	Université de Sherbrooke	Regulation of cytosolic and nuclear calcium by angiotensin II in endocardial endothelial cells.	<i>Angiotensin II, receptors, intracellular calcium, confocal microscopy, receptor mapping.</i>	\$13,000	I
Jolicoeur, Paul	Clinical Research Institute of Montreal	Studies of cardiac disease in CD4C/HIV transgenic mice.		\$13,000	I
Jones, Peter J.H.	McGill University	Effects of plant sterol supplementation and exercise training cholesterol kinetics and cardiovascular disease risk parameters in previously sedentary adults.	<i>Phytosterols, exercise, cholesterol, cholesterol metabolism, LDL particle size.</i>	\$13,000	II
Julien, Pierre; Fraser, William D.	Centre hospitalier de l'Université Laval	Dyslipoproteinemia and oxidative stress in preeclampsia; a risk factor for endothelial dysfunction and vascular diseases.		\$13,000	I
Kahn, Susan R; Anderson, David R; Genest, Jr., Jacques; Kovacs, Michael J; Rodger, Marc A; Shapiro, Stanley H.	Ottawa Hospital-Civic Site	The role of inflammation and thrombophilia in the post-thrombotic syndrome: the bio-sox study.	<i>Post-thrombotic syndrome, predictors, thrombophilia, SNP analysis, inflammation, D-dimer.</i>	\$14,189	II
Kingma, John G.	Laval University	Modulation of intrinsic cardiac neurons by ischemic preconditioning.	<i>Intrinsic cardiac neurons, myocardial ischemia, preconditioning, cardiac hemodynamics, cytoprotection, cardiac contractile function.</i>	\$13,000	I
Lamontagne, Anouk; Faubert, Jocelyn; Fung, Joyce; McFadyen, Bradford J.	McGill University	Visuomotor control of locomotion after stroke.	<i>Rehabilitation, locomotion, virtual reality, motor control, vision.</i>	\$13,000	I, II
Lamontagne, Daniel	Université de Montréal	Cardioprotective properties of the endogenous cannabinoid system.	<i>Myocardial infarction, cannabinoids, cytokines, nuclear receptor PPAR.</i>	\$13,000	I
Lanfranchi, Paola A.; Montplaisir, Jacques Y.	Hôpital du Sacré-Coeur de Montréal	Cardiovascular autonomic regulation during sleep and wakefulness in primary insomnia.	<i>Insomnia, sleep, autonomic nervous system, blood pressure.</i>	\$13,000	II
Leduc, Richard; Escher, Emmanuel; Lavigne, Pierre	Université de Sherbrooke	Molecular mechanisms of urotensin II function.		\$17,500	I
Lerouge, Sophie; Elkouri, Stephane; Gaboury, Louis; Soulez, Gilles	Université de Montréal	Healing and endoleaks following endovascular repair of abdominal aortic aneurysms: an analysis of explanted stent-grafts.	<i>Aneurysms, endovascular treatment, healing process, stent-graft, explants.</i>	\$13,000	I
Magder, Sheldon A.	Royal Victoria Hospital	Oxidative signaling of angiotensin II in endothelial cells.	<i>Endothelial dysfunction, nitric oxide, angiotensin, superoxide, peroxynitrite.</i>	\$13,000	I

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Marcil, Michel; Genest, Jr., Jacques; Krimbou, Larbi	Royal Victoria Hospital	Acid sphingomyelinase deficiency and low HDL-cholesterol.	<i>SMPD1 gene, acid sphingomyelinase, plasma lipids, hypoalphalipoproteinemia, high density lipoproteins, coronary artery disease.</i>	\$13,000	I
Merhi, Yahye	Institut de cardiologie de Montréal	Thrombo-inflammatory roles of platelet P-selectin/PSGL-1 interactions.	<i>Adhesion molecules, neutrophils, platelets, endothelium, restenosis.</i>	\$17,500	I
Mouginot, Didier M.	Centre hospitalier de l'Université Laval	Central regulation of sodium homeostasis, salt and hypertension.	<i>Hydromineral homeostasis, salt-sensitive hypertension, angiotensin2, electrophysiology, functional anatomy.</i>	\$13,000	I
Mounier, Catherine	Université du Québec à Montréal	Hormonal regulation of stearyl CoA desaturase gene: importance of obesity and diabetes.	<i>Stearyl CoA desaturase, insulin, leptin, liver, obesity.</i>	\$13,000	I
Mukaddam-Daher, Suhayla; Gutkowska, Jolanta	CHUM	Cardiac effects of chronic imidazoline receptor activation in heart failure.	<i>Heart failure, imidazoline receptors, moxonidine, natriuretic peptides, cytokines, apoptosis.</i>	\$13,000	I
Nattel, Stanley	Montreal Heart Institute	Factors influencing the interaction of antiarrhythmic drugs with cardiac tissues.	<i>Sudden death, ventricular tachycardia, ion channels, remodeling, molecular biology.</i>	\$17,500	I
Nuyt, Anne Monique	Hôpital Sainte-Justine	Role of oxidative stress in fetal programming of hypertension.	<i>Hypertension, programming, oxidant, vascular, brain.</i>	\$13,000	I
Orlov, Sergei N.; Hamet, Pavel; Tremblay, Johanne	CHUM	Cloning and functional characterization of Na ⁺ /Li ⁺ countertransporter.	<i>Na⁺/Li⁺ countertransport, Na⁺/H⁺ exchange, cloning, proteomics, hypertension.</i>	\$13,000	I
Parent, Lucie	Université de Montréal	Molecular determinants of gating in voltage-gated Ca channels.	<i>Calcium, ion channel, electrophysiology, regulation, scaffolding proteins.</i>	\$17,500	I
Pausova, Zdenka; Gaudet, Daniel; Leal, Suzanne M.	CHUM	Long term cardiovascular and metabolic consequences of prenatal exposure to maternal cigarette smoking in French Canadian adolescents.	<i>Metabolic syndrome, adolescence, fetal programming, maternal cigarette.</i>	\$13,000	I, II, IV
Perrault, Louis P.	Montreal Heart Institute	Mechanisms of pulmonary arterial endothelial dysfunction following cardiopulmonary bypass in cardiac surgery: impacts on hemodynamics, oxygenation and development of preventive and therapeutic strategies.		\$13,000	I, II, III, IV
Pilon, Danielle D.P.; Bravo, Gina; Dubois, Marie-France	Université de Sherbrooke	Prévention secondaire en maladie vasculaire périphérique.	<i>Maladie vasculaire périphérique, facteurs de risque, utilisation des médicaments, essais cliniques, recherche évaluative.</i>	\$13,000	II
Powell, William S.	McGill University	Eicosanoids and leukocyte and endothelial cell function.	<i>5-Oxo-EETE, neutrophils, monocytes, endothelial cells, lipid mediators.</i>	\$13,000	I
Raymond, Jean	CHUM	Inhibition of recanalization after coil embolization of intracranial aneurysms with endothelial denudation and in situ beta radiation.	<i>Brain aneurysm, recurrence, endothelial denudation, beta radiation, animal models of human disease.</i>	\$13,000	I
Richard, Darren E.	Hôtel-Dieu de Québec	Vasoactive hormones and hypoxia in the control of vascular hypoxic genes.	<i>Vascular smooth muscle, angiogenesis, hypoxia, HIF, angiotensin.</i>	\$17,500	I
Rousseau, Guy	Hôpital du Sacré-Coeur de Montréal	Post-ischemic cardioprotection by A2A adenosine receptors.	<i>Myocardial, reperfusion, infarction, adenosine, signalisation.</i>	\$13,000	I
Rudski, Lawrence G.; Eisenberg, Mark J.; Honos, George; Langleben, David; Morin, Jean-Francois	Jewish General Hospital	Early versus late bypass surgery after Q wave myocardial infarction.	<i>Cardiac surgery, myocardial infarction, remodeling, echocardiography.</i>	\$13,000	II

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Sauvé, Rémy	Université de Montréal	Molecular studies of IKCa gating in endothelial cells.		\$17,500	I
Shrier, Alvin; Glass, Leon	McGill University	Dynamics of reentrant rhythms in cultured cardiac cells.	<i>Reentry, optical mapping, cardiac electrophysiology, nonlinear mathematics, computer modeling.</i>	\$13,000	I
Shum-Tim, Dominique	Montreal Children's Hospital	Cardiopulmonary bypass management and brain protection in pediatric cardiac surgery.	<i>Cardiopulmonary bypass management, pediatric cardiac surgery, brain injury, cerebral protection, deep hypothermic circulatory arrest.</i>	\$13,000	I
Sirois, Martin G.	Montreal Heart Institute	VEGF-mediated endothelial cell signaling.	<i>VEGF, cell signaling, angiogenesis, inflammation, phospholipases.</i>	\$17,500	I
Srivastava, Ashok K.	CHUM	Vasoactive peptide signaling in vascular smooth muscle cells in hypertension.		\$13,000	I
St-Amand, Jonny; Raymond, Vincent	Université Laval	Effects of high-fat meal on transcriptomes and characterization of novel appetite-satiety genes.	<i>Obesity, coronary artery disease, functional genomics, gene discoveries, high fat diet.</i>	\$13,000	I, II, III, IV
St. Louis, Jean	Hôpital Sainte-Justine	Régulation de la circulation placentaire par les prostanoides, comparaison de la grossesse normale et la prééclampsie.	<i>Placenta, prééclampsie, vaisseaux sanguins, isoprostanes, prostaglandines.</i>	\$13,000	I
Stochaj, Ursula	McGill University	Protein trafficking in stressed cells.	<i>Nuclear transport, heat shock proteins, hsp/hsc70s, oxidative stress, ischemia/reperfusion.</i>	\$17,500	I
Tanguay, Jean-François	Montreal Heart Institute	Role of estrogens and estrogen receptors (ER alpha and ER beta) in vascular healing.	<i>Esterogen, estrogen receptors, atherosclerosis, restenosis, acute coronary syndromes.</i>	\$13,000	I
Thibault, Gaétan	Clinical Research Institute of Montreal	Hétérogénéité des fibroblastes cardiaques.	<i>Cardiac fibroblasts, fibrosis, inflammation, Thy-1 protein, CD40.</i>	\$13,000	I
Thorin, Eric	Université de Montréal	Ageing of the vascular endothelium.	<i>Resistance arteries, endothelium, receptors, ageing, atherosclerosis.</i>	\$17,500	I
Tremblay, Angelo; Blundell, John; Després, Jean-Pierre; Lamarche, Benoit; Richard, Denis	Université de Laval	Clinical evaluation to improve obesity intervention prescription: functional foods as a potential solution for low satiety quotient phenotype?		\$13,000	II
Turgeon, Jacques	Université de Montréal	Drug-induced long QT syndrome: the modulatory role of P-glycoprotein (MDR1).	<i>Electrophysiology, antiarrhythmics, proarrhythmia, p-glycoproteins, drug-interactions.</i>	\$17,500	I
Vincent, Michel	Université Laval	Identification des homologues humain et murin de la transitine.		\$13,000	I
Wang, Zhiguo	Montreal Heart Institute	Kr/HERG K+ channel as a critical molecular contributor to electrical disorders during acute myocardial ischemia: extracellular K+ accumulation and "Short QT Syndrome".	<i>Myocardial ischemia, potassium, arrhythmias, IKr/HERG, LPC.</i>	\$13,000	I
White, Michel	Institut de cardiologie de Montréal	Inflammation, oxidative stress, and exercise capacity and recovery in congestive heart failure and in chronic obstructive pulmonary disease.		\$13,000	I, II, IV
Withington, Davinia E.; Davis, Michael G.; Lands, Larry; Shum-Tim, Dominique; Toledano, Baruch J.	Montreal Children's Hospital	Does preoperative corticosteroid administration attenuate the inflammatory response and decrease morbidity after cardiopulmonary bypass in infants?	<i>Cardiopulmonary bypass, inflammatory response, adhesion molecules, cytokines, outcome.</i>	\$5,007	II
Wu, Jiangping	CHUM	Immune regulation in heart transplantation.	<i>Transplantation, death decoy receptor 3, T cell migration.</i>	\$17,500	I

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Saskatchewan

Principal Investigator and Co-applicant(s) Chercheur principal et co-chercheur(s)	Institute of Principal Investigator Établissement du chercheur principal	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Chilibeck, Philip D.; Biem, Henry J.; Pahwa, Punam; Whiting, Susan	University of Saskatchewan	Effectiveness of flax lignan and exercise training for improving lipid profiles.	<i>Exercise, flax lignan, blood lipids, aging.</i>	\$37,300	II
Fisher, Thomas E.	University of Saskatchewan	Ca ²⁺ channel composition and secretory specializations within different cellular compartments of the magnocellular neurosecretory cells.	<i>Ca²⁺ channels, neurosecretion, neurohypophysis, vasopressin, immunoblotting.</i>	\$45,000	I
Hiebert, Linda M.	University of Saskatchewan	Oral heparins.	<i>Heparin, oral absorption, endothelium, thrombosis models, pharmacokinetics.</i>	\$60,000	I
Lee, Paul M.; Prasad, Kailash	University of Saskatchewan	Hyperhomocysteinemia and hypertension.		\$45,000	I
McNeill, J. Robert	University of Saskatchewan	Hemodynamic effects of vasopressin in hypertension.	<i>Hemodynamics, vasopressin, hypertension-experimental, capacitance function.</i>	\$65,000	I
Meng, Qing H.; Wang, Rui; Wu, Lingyun	University of Saskatchewan	Protective role of hydrogen sulfide in atherosclerosis.	<i>Cystathionine gamma-lyase (CSE), hydrogen sulfide (H₂S), homocysteine, balloon injury, atherosclerosis.</i>	\$60,000	I
Paterson, Phyllis G.	University of Saskatchewan	Protein-energy malnutrition as a determinant of brain injury in stroke.	<i>Nutrition, stroke, glutathione, protein-energy malnutrition, global ischemia.</i>	\$13,928	I
Prasad, Kailash	University of Saskatchewan	Oxyradicals in hypercholesterolemic toxicity on vascular system and secoisolariciresinol diglucoside.	<i>Oxyradicals, hypercholesterolemia, lipid peroxidation, atherosclerosis, endothelial dysfunction, antioxidants, secoisolariciresinol diglucoside.</i>	\$60,000	I
Saucier, Deborah M.; Yager, Jerome Y.	University of Saskatchewan	Age and environmental effects of hypoxic-ischemic brain damage.	<i>Aging, stroke, hypoxia-ischemic, enrichment, recovery.</i>	\$57,100	I
Walz, Wolfgang	University of Saskatchewan	The gliotic response in focal ischemia.	<i>Astrocytes, reactive gliosis, focal ischemia, patch clamp, immunocytochemistry.</i>	\$60,000	I
Wang, Rui	University of Saskatchewan	Role of BKCa channels of vascular smooth muscle cells in the development of hypertension.	<i>K channels, carbon monoxide, vascular contraction, smooth muscle cells, hypertension.</i>	\$75,000	I
Wu, Lingyun	University of Saskatchewan	Methylglyoxal, a causative factor for hypertension development - MG induced vascular damage and the underlying mechanisms.	<i>Methylglyoxal, advanced glycated endproducts (AGEs), vascular function, proliferation, hypertension.</i>	\$75,000	I
Zhang, Xia	University of Saskatchewan	Relations between ischemic stroke and epilepsy.		\$60,000	I

Appendix **B**
Annexe

NATIONAL PERSONNEL AWARDS BY PROGRAM
BOURSES NATIONALES PAR PROGRAMME

Doctoral Research Awards

Bourses de recherche au doctorat

Applicant and Degree Chercheur et degré	Supervisor Directeur	Institute Institut	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Ander, Bradley P.	Pierce, Grant N.	St. Boniface G.H. Research Centre	Antiarrhythmic effects of dietary flax seed in ischemia/reperfusion.	<i>Arrhythmias, polyunsaturated fatty acids, ischemia/reperfusion, flaxseed, nutrition</i>	\$21,000	I
Ardern, Chris*	Katzmarzyk, Peter T.	Queen's University	Obesity screening, future health risk, and the role of gender.	<i>Gender, anthropometry, obesity, cardiovascular, population health.</i>	\$0	IV
Ayach, Bilal	Liu, Peter P.	Toronto General Hospital	Cytokine signalling pathways regulating bone marrow derived stem-cell therapy post-MI.	<i>Myocardial infarction cytokines, and stem-cells therapy.</i>	\$21,000	I
Boucher, Jonathan G.	Sparks, Daniel L.	University of Ottawa Heart Institute	HDL regulates triacylglyceride metabolism.	<i>Hepatic lipase, lipoprotein lipase, atherosclerosis, heart disease, triacylglycerides.</i>	\$21,000	I
Cardin, Sophie	Nattel, Stanley	Institut de Cardiologie de Mont	Changement de l'expression génique au cours du remodelage auriculaire et ventriculaire induit par l'insuffisance cardiaque.	<i>Insuffisance cardiaque, remodelage, expression génique.</i>	\$19,250	I
Caron, Annabelle	Guillemette, Gaétan	Université de Sherbrooke	Mécanismes de régulation du récepteur de type 3 de l'inositol 1,4,5 trisphosphate (IP3R3).	<i>Second messagers, récepteurs, signalisation intracellulaire, phosphorylation, inositol 1,4,5 trisphosphate récepteur (IP3Rs).</i>	\$21,000	I
Chahine, Mirna	Bkaily, Ghassan	Université de Sherbrooke	Rôle de l'échangeur Na ⁺ /H ⁺ dans le développement de la cardiomyopathie héréditaire.	<i>Cardiomyopathie, sodium, calcium, échangeur Na⁺/H⁺, necrose.</i>	\$21,000	I
Cho, Taesup	Wang, Yu Tian	University of British Columbia	Functional characterization of synaptic plasticity and synapse formation in the neural stem cells	<i>Stem cell, PSD-95, neuligin, synaptic plasticity, stroke.</i>	\$21,000	I
Cruz, Rani P.	McManus, Bruce M.	St. Paul's Hospital	Elucidating the role of cytochrome p450 enzymes in mitral valve disease.	<i>Mitral valve disease, cytochrome p450, myofibroblasts, apoptosis.</i>	\$21,000	I
Drew, Erin	McNagny, Kelly M.	University of British Columbia	The role of the stem cell antigen, CD34, on murine mast cells.	<i>Sialomucins, mast cells, hematopoietic cell homing, adhesion, allergies.</i>	\$3,500	I
Duval, Martine	Gratton, Jean-Philippe	IRCM	Mouvements cellulaires du récepteur VEGFR-2 du VEGF dans les cellules endothéliales.	<i>VEGF, récepteur, oxyde nitrique (NO), signalisation intracellulaire, cellules.</i>	\$21,000	I
Flynn, Robyn	Zamponi, Gerald W.	University of Calgary	Neurexin and neuroligin modulate neuronal reorganization through interactions with specific receptors.	<i>Neuroligin, neurexin, neuronal reorganization, calcium channels, NMDA receptor.</i>	\$21,000	I
Franco, Christopher	Bendeck, Michelle P.	University of Toronto	The role of MMP-dependant endothelin processing in vascular smooth muscle contraction and vascular remodeling.	<i>Angioplasty, metalloproteinases, endothelin, remodeling, smooth muscle.</i>	\$17,500	I
Gao, Guang	Luo, Honglin	St. Paul's Hospital	Role of the ubiquitin/proteasome pathway in coxsackievirus-induced myocarditis.	<i>Coxsackievirus, myocarditis, ubiquitin/proteasome pathway, virus pathogenesis, cardiomyocytes.</i>	\$21,000	I
Gaskari, Seyed A.	Lee, Samuel S.	University of Calgary	Role of endocannabinoid system in the genesis of cirrhotic cardiomyopathy.	<i>Cardiomyopathy, cirrhosis, endocannabinoids, signal transduction.</i>	\$21,000	I
Ghosh, Sanjoy	Rodrigues, Brian B.	University of British Columbia	Cardiac lipotoxicity of n-6 PUFA in acute diabetes.	<i>PUFA, cell death, heart, diabetes, glutathione.</i>	\$21,000	I
Graham, Drew Aaron	Rush, James W.E.	University of Waterloo	Mechanisms in vascular nitric oxide bio-availability in chronic hypertension and exercise training.	<i>Hypertension, exercise, endothelial function, nitric oxide, oxidative stress.</i>	\$17,500	I

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Ho, Andrew Tri Van	Zacksenhaus, Eldad	University of Toronto	Compensatory effects of retinoblastoma protein family and novel apaf1-independent apoptosis	<i>Retinoblastoma, apoptosis, cell cycle, myogenesis, embryogenesis.</i>	\$21,000	I
Hogue, Jean-Charles	Couture, Patrick	Université Laval	Effets de l'atorvastatine ou du fénofibrate chez les diabétiques hypertriglycéridémiques.	<i>Lipoprotéines, athérosclérose, diabète, statine, fibrate.</i>	\$21,000	I, II, IV
Hossain, Showkat G.M.	Austin, Richard C.	McMaster University	Role of TDAG51 in detachment-mediated apoptosis and its significance in atherogenesis.	<i>Atherosclerosis, t-cell death associated gene 51 (TDAG51), apoptosis, plaque stability, plaque thrombogenicity.</i>	\$21,000	I
Izzi, Luisa	Attisano, Liliana	University of Toronto	Smad2 sumoylation modulates the transcriptional activation of FoxH1	<i>TGFβ, foxH1, smads, suoylation, cardiogenesis.</i>	\$21,000	I
Jaswal, Jagdip S.	Clanachan, Alexander S.	University of Alberta	Roles of p38 MAPK in myocardial ischemia/reperfusion injury and glucose metabolism.	<i>Stress kinases, glucose metabolism, ischemia/reperfusion injury.</i>	\$21,000	I
Jeyaraman, Madhumathy	Kardami, Elissavet	University of Manitoba	Role of connexin43 in protein kinase C mediated cardioprotection.	<i>Connexin43, protein kinaseC, ischemia and CX43, PKC and cardioprotection.</i>	\$21,000	I
Jimenez, Sarah	Cattini, Peter A	University of Manitoba	Genetic regulation of cardioprotective fibroblast growth factors in the adult heart.	<i>Genetic regulation, cardioprotective FGF, transgenic.</i>	\$21,000	I
Khairallah, Maya	Des Rosiers, Christine	Institut de cardiologie de Montréal	Metabolic interventions targeting the dystrophic heart: the potential benefits of medium chain fatty acids.	<i>Cardiomyopathy, Duchenne muscular dystrophy, metabolic disorders, 13C mass isotopomer analysis, cardioprotective therapies.</i>	\$21,000	I
Kimmerly, Derek S.	Shoemaker, J. Kevin	University of Western Ontario	Exercise and central autonomic control of cardiovascular function in human health and disease.	<i>Humans, hypertension, central autonomic centres, efferent sympathetic nerve activity, vascular control.</i>	\$21,000	I
Kisilevsky, Alexandra E.	Zamponi, Gerald W.	University of Calgary	Dopamine receptor coupling to cav2.2 calcium channels.	<i>Cav2.2 channels, G-proteins, dopamine receptors, cerebral ischemia.</i>	\$21,000	I
Kolodziejska, Karolina Maria	Husain, Mansoor	Toronto General Hospital	c-Myb dependent vascular smooth muscle cell differentiation.	<i>Embryonic stem cells, differentiation, vascular smooth muscle cells, c-myb, targeted tissue-specific transgene knock-in.</i>	\$21,000	I
Lamont, Ryan E.	Childs, Sarah J.	University of Calgary	PlexinD1 signalling in the developing zebrafish.	<i>Angiogenesis, vascular patterning, VEGF signalling.</i>	\$17,500	I
Laplane, Marc-André	de Champlain, Jacques	Université de Montréal	Rôle de la voie ERK-MAPK dans l'hypertension induite par l'angiotensine.	<i>Hypertension, stress oxydatif, vaisseaux, p42/44 ERK-MAPK, angiotensine II.</i>	\$21,000	I
Leclerc, Patrice	Guillemette, Gaetan	Université de Sherbrooke	Modulation de l'activité de liaison du récepteur AT1 par l'oxide nitrique.	<i>Récepteur AT1, oxide nitrique, S-nitrosylation, affinité de ligand, alkylation.</i>	\$21,000	I
Lee, Joanne S.Y.	Gotlieb, Avrum I.	University of Toronto	Microtubules regulate actin organization and distribution of focal adhesions and adherens junctions.	<i>Microtubule-actin organization and distribution of focal adhesions and adherens junctions.</i>	\$10,500	I
Leon, Hernando	Schulz, Richard	University of Alberta	Identification of molecular targets and pharmacological interventions for matrix metalloproteinase-mediated cardiac injury.	<i>Oxidative stress, matrix metalloproteinases, proteomics, cardiovascular function.</i>	\$21,000	I
Ljubicic, Vladimir	Hood, David A.	York University	Effect of physical activity on the apoptotic susceptibility of the aged heart.	<i>Mitochondria, aging, cardiac muscle, apoptosis.</i>	\$17,500	I, II
Major, Geneviève G.M.	Tremblay, Angelo	Université de Laval	Le syndrome d'apnées obstructives du sommeil et les variations de la dépense énergétique.	<i>Apnées obstructives du sommeil, obésité, métabolisme énergétique, poids.</i>	\$10,000	II

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Martin, Stéphane	Guillemette, Gaéтан	Université de Sherbrooke	Étude de la structure du récepteur AT1 et des changements conformationnels causant l'activation des GPCRs.	<i>Récepteurs couplés aux protéines G, angiotensine II, structure, enclave de liaison, mécanismes d'activation.</i>	\$21,000	I
McGowan, Cheri L.	McCartney, Neil	McMaster University	Isometric handgrip training and arterial pressure reduction: effects and mechanisms.	<i>Hypertension, CAD, isometric, autonomic, nitric oxide.</i>	\$10,500	II
Michaud, Sophie Élise	Rivard, Alain	Université de Montréal	Angiogenèse et ischémie vasculaire: Rôle du tabagisme.	<i>Angiogenèse, tabagisme, VEGF, HIF1, thérapie génique.</i>	\$21,000	I
Noor, Raza A.	Shuaib, Ashfaq	University of Alberta	Endothelial cells and cerebrovascular diseases: the role of high-density lipoprotein in the	<i>Endothelial progenitor cells, high-density lipoprotein, stroke, nitric oxide synthase.</i>	\$21,000	I, II
Pande, Jyoti	Grover, Ashok K.	McMaster University	Caloxins: Search for high affinity inhibitors.	<i>Calcium homeostasis, cell signaling, plasma membrane calcium pumps, drug discovery, mutagenesis.</i>	\$7,000	I
Pop, Mihaela	Wright, Graham	Sunnybrook and Women's College Health Sciences Centre	Magnetic resonance guidance of radiofrequency ablation of cardiac arrhythmias.	<i>Cardiac arrhythmias, magnetic resonance imaging, radiofrequency ablation.</i>	\$21,000	I
Proulx, Christophe	Leduc, Richard	Université de Sherbrooke	Étude de la structure/fonction du récepteur à l'urotensine II, UT.	<i>Récepteur UT, urotensine II, internalisation, désensibilisation, phosphorylation.</i>	\$21,000	I
Pulinilkunnil, Thomas Chacko	Rodrigues, Brian B.	University of British Columbia	Effect of diabetes on regulation of cardiac lipoprotein lipase.	<i>Diabetes, lipoprotein lipase, lysophosphatidylcholine, cardiac metabolism and cardiomyopathy.</i>	\$7,000	I
Rahmani, Maziar	McManus, Bruce M.	University of British Columbia	Versican gene regulation: molecular mechanisms in valvular and vascular cells.	<i>Versican, promoter, cis- and trans-factors, signaling pathway, chromatin, vascular and valvular cells, atherosclerosis</i>	\$21,000	I
Ronald, John A.	Rutt, Brian K.	Robarts Research Institute	Magnetic resonance imaging of a rabbit model of atherosclerosis.	<i>Atherosclerosis, cholesterol, rabbit, magnetic resonance imaging, contrast agents.</i>	\$10,500	I
Rose, Patricia Anne	Hudson, Chris	Toronto Western Hospital	Age-related changes in retinal vascular autoregulation in normal and atherosclerotic patients.	<i>Autoregulation, atherosclerosis, flowmetry, retina, statins.</i>	\$21,000	II
Saini, Harjot K.	Dhalla, Naranjan S.	St. Boniface G.H. Research Centre	Role of angiotensin II in subcellular remodelling in adult cardiomyocytes.	<i>Adult cardiomyocytes, cardiac gene expression, sarcoplasmic reticular proteins, myofibrillar proteins, angiotensin II receptors.</i>	\$21,000	I
Sharif, Reza N.	Bourque, Charles W.	Montreal General Hospital	Molecular mechanisms of osmoreception in the hypothalamus.	<i>Osmoreception, vasopressin, supraoptic, neuroendocrine, hypothalamus.</i>	\$17,500	I
Sidhu, Ranjinder S.	Bhullar, Rajinder P.	University of Manitoba	Significance of oral and phospholipase C-delta 1 interaction.	<i>Signal transduction, small GTP-binding proteins, ral, phospholipase C.</i>	\$3,088	I
Singh, Raja B.	Dhalla, Naranjan S.	St. Boniface G.H. Research Centre	Role of Protease Activation in Subcellular Remodeling in the Heart.	<i>Heart, ischemia-reperfusion, calpain, nitric oxide, sarcolemma.</i>	\$21,000	I
Sirinyan, Mirna	Chemtob, Sylvain	McGill University	Retinal endothelial cytotoxic effects of sustained hypercapnia in retinopathy of prematurity.	<i>Retinopathy of immaturity, hypercapnia, microvascular degeneration, endothelial cell death, reactive nitrogen species.</i>	\$21,000	I
Slepkov (DiBattista), Emily R.	Fliegel, Larry	University of Alberta	Structure function analysis of the mammalian Na ⁺ /H ⁺ exchanger isoform 1.	<i>Na⁺/H⁺ exchanger, cysteine-scanning mutagenesis.</i>	\$10,500	I

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Applicant and Degree Chercheur et degré	Supervisor Directeur	Institute Institut	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Smith, Robin H.	Ferrier, Gregory R.	Dalhousie University	Cardiac excitation - contraction coupling in a transgenic model of heart failure.	<i>Heart failure, excitation-contraction coupling, pharmacology, cardiovascular physiology.</i>	\$3,500	I
Song, Dongzhe	Pang, Catherine C.Y.	University of British Columbia	Effects of chronic N-acetylcysteine on insulin resistance and blood pressure.	<i>Antioxidant; insulin resistance; hypertension; fructose.</i>	\$21,000	I
Steinback, Craig D.	Shoemaker, J. Kevin	University of Western Ontario	Baroreflex-chemoreflex interactions and sympathetic nerve activity in cardiovascular disease development.	<i>Baroreceptors, chemoreceptors, sympathetic nerve activity, intermittent hypoxia, hypertension.</i>	\$10,500	I
Tremblay, André	Couture, Patrick	Université Laval	Etude de la cinétique de l'apolipoprotéine B dans l'hypercholestérolémie familiale.	<i>Recepteur des LDL, hypercholestérolémie familiale, apolipoprotéine B100, cinétique, isotope stable.</i>	\$21,000	II
Trudel, Eric	Bourque, Charles W.	Montreal General Hospital	Central mechanism underlying circadian variations in the osmoregulation of vasopressin.	<i>Synaptic communication, slices, patch-clamp, supraoptic nucleus, Organum vasculum lamina terminalis.</i>	\$21,000	I
Xu, Yong	Krukoff, Teresa L.	University of Alberta	Physiological and molecular mechanisms for cardiovascular effects of adrenomedullin in the	<i>Adrenomedullin, arterial pressure, baroreflex, nitric oxide, calcium.</i>	\$21,000	I
Zaiss, Anne Kathrin	Wong, Norman C.W.	University of Calgary	Analysis of virus vector mediated apolipoprotein AI gene transfer.	<i>Gene therapy, virus vector, apolipoprotein AI, heart disease.</i>	\$21,000	I
Zhang, Yiqiang	Wang, Zhiguo	Montreal Heart Institute	Roles of HERG K ⁺ channel in arrhythmias and apoptosis in diabetic cardiomyopathy.	<i>Diabetic cardiomyopathy, human ether-a-go-go related gene, delayed rectifier K⁺ channel, apoptosis, cardiac action potential.</i>	\$12,250	I

* There was no money contributed for this year. This project is part of a multi-year partnership arrangement with other funding agencies.

* Il n'y a pas eu d'argent versé pour cette année. Ce projet est financé dans le cadre d'une entente de partenariat pluriannuelle avec d'autres organismes de financement.

Research Fellowships **Bourses de perfectionnement en recherche**

Applicant and Degree Chercheur et degré	Supervisor Directeur	Institute Institut	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Aarts, Michelle M.	Tymianski, Michael	Toronto Western Research Institute	Treatment of ischemic injury and excitotoxicity by uncoupling NMDA receptor - PSD95 interactions.	<i>Excitotoxicity, protein transduction, neurophysiology, molecular biology, Tat proteins.</i>	\$16,666	I
Akhavan, Armin	Lingappa, Vishwanath	University of California	Subcellular mechanisms involved in biogenesis and secretion of Apolipoprotein B.	<i>Translocation, signal sequence, ApoB, biogenesis, arteriosclerosis.</i>	\$40,000	I
Allister, Emma M.	Huff, Murray W.	Robarts Research Institute	Regulation of lipoprotein secretion from cultured primary hepatocytes.	<i>Lipoprotein synthesis, flavonoids, transcription factors, cholesterol efflux, atherosclerosis.</i>	\$13,333	I
Altier, Christophe	Zamponi, Gerald W.	University of Calgary	Determinants of N-type calcium channel targeting and physiology.	<i>Calcium channels, protein targeting, synaptic transmission, exogenous expression.</i>	\$20,000	I
Arrell, David Kent	Terzic, Andre	Mayo Clinic	Proteomics of cardiac stress.	<i>Cardiovascular, FT-ICR mass spectrometry, proteomics, physiology, biochemistry.</i>	\$13,333	I
Auger-Messier, Mannix	Molkentin, Jeffrey D.	Cincinnati Children's Hospital Medical Center	Quels rôles jouent respectivement les deux isoformes de la calcineurine A dans l'hypertrophie physiologique et pathologique du coeur?	<i>Calcineurin, NFAT, système Cre-Lox, hypertrophie cardiaque, cardiomyopathies.</i>	\$40,000	I
Ballantyne, Sarah Denise	Stewart, Duncan J.	St. Michael's Hospital	Vascular protective gene therapy to treat the acute respiratory distress syndrome.	<i>Acute respiratory distress syndrome, gene therapy, heme oxygenase, angiopoietin-1.</i>	\$13,333	I
Bateman, Ryon M.	Walley, Keith R	St. Paul's Hospital	Mechanism of myocardial dysfunction in sepsis.	<i>Myocardium, microcirculation, hypoxia, inflammation, imaging.</i>	\$40,000	I
Beletsky, Vadim Y.U.	Spence, J. David	Robarts Research Institute	Doppler or angiography prior to carotid surgery.	<i>Carotid stenosis, ultrasound, angiography, atherosclerosis.</i>	\$8,333	II
Borman, Meredith A.	Walsh, Michael P	University of Calgary	Exploring a novel mechanism of cGMP-phosphodiesterase regulation in smooth muscle.	<i>protein phosphatases, smooth muscle contractile physiology, protein phosphorylation, signal transduction, proteomics.</i>	\$6,666	I
Borradaile, Nica M.	Schaffer, Jean E.	Washington University	Cardiac mechanisms of lipotoxicity.	<i>Lipotoxicity, fatty acids, metabolism, diabetic cardiomyopathy.</i>	\$40,000	I
Bouchard, Luigi	Vohl, Marie-Claude	Université de Laval	Genomic insights into the metabolic syndrome.	<i>Visceral obesity, DNA microarrays, differential gene expression.</i>	\$40,000	I, IV
Callera, Glauca E.	Touyz, Rhian M.	Ottawa Hospital Research Institute	Lipid RAFTS/Src pathway in aldosterone induced hypertension-interactions with endothelin-1.	<i>Aldosterone, c-Src, endothelin, lipid rafts.</i>	\$36,666	I
Chung, Ada Wing-Yee	van Breemen, Cornelis	St. Paul's Hospital	Vasomotor dysfunction and signalling in human diabetes.	<i>Human diabetes, vascular dysfunction, integrin, Rho-kinase, nitric oxide.</i>	\$40,000	I

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Cimini, Massimo	Li, Ren-Ke	Toronto General Hospital	Construction of tissue engineered grafts for cardiac repair.	<i>Tissue engineered cardiac grafts, cardiomyocytes, smooth muscle cells, skeletal muscle cells, bone marrow derived mesenchymal stem cells.</i>	\$40,000	I
Clark, Stephen	Kubes, Paul	University of Calgary	Therapeutic nitric oxide inhalation in inflammatory disease - formation/function of S-nitroso-molecules.	<i>Nitric oxide, inhalation, inflammation, s-nitroso-molecules, Albumin.</i>	\$40,000	I
Corteling, Randolph L.	Welsh, Donald G.	University of Calgary	The Role of Heteromeric G-proteins in the Regulation of Cerebral Arterial Tone.	<i>RNA interference, intact vessels, G-proteins, Calcium waves, contractions</i>	\$20,000	I
Cummings, Kevin James	Wilson, Richard J.A.	University of Calgary	Hypertension and peripheral chemoreceptors: Mechanisms behind post-hypoxic decline in carotid body activity.	<i>Hypertension, breathing, carotid body, neurotransmitters, apnea.</i>	\$40,000	I
Dawson-Scully, Kenneth Donald	Sokolowski, Marla B.	University of Toronto	cGMP dependent protein kinase, synaptic transmission and food related behaviours of drosophila.	<i>Drosophila melanogaster, synaptic transmission, cGMP, PKG, feeding behaviour.</i>	\$40,000	I
Duez, Hélèn	Lewis, Gary F.	Toronto General Hospital	The effect of dipeptidyl peptidase (DPP)-IV inhibition on carbohydrate and lipid metabolism.	<i>Diabetes, insulin secretion, GLP-1, incretins, dipeptidyl peptidase (DPP) IV inhibitor.</i>	\$40,000	I
Dupre, Denis J.	Hébert, Terence E.	Montreal Heart Institute	Characterization of the ontogeny and trafficking of G-protein coupled receptor complexes.	<i>G-protein coupled receptors, hetero-dimerization, trafficking, complex assembly, bioluminescence resonance energy transfer technology.</i>	\$33,333	I
Fan, Xiaohu	West, Lori J	Hospital for Sick Children	Induction of B cell tolerance to ABH blood group antigens by gene therapy.	<i>ABO-incompatible heart transplantation, B cell tolerance, gene therapy, lentiviral vector, human ABO blood type A transgenic mice.</i>	\$40,000	I
Gaertner, Tara R.	Wang, Yu Tian	University of British Columbia	Glutamate receptor insertion during synaptic plasticity, real-time visualization and molecular mechanisms.	<i>Glutamate receptor, long-term potentiation, two-photon microscopy, intracellular trafficking, molecular mechanisms.</i>	\$31,666	I
Gélébart, Pascal	Michalak, Marek	University of Alberta	Calreticulin and cardiac development.	<i>Cardiac differentiation, stem cells, calreticulin, Ca homeostasis.</i>	\$40,000	I
Gong, Nanling	Backx, Peter H.	University of Toronto	Regulation of Kv4 potassium channels in cardiac hypertrophy and heart disease.	<i>Kv4 potassium channels, electrophysiology, mRNA and protein, transcriptional elements, hypertrophy and heart diseases.</i>	\$40,000	I
Gui, Yu	Zheng, Xi-Long	University of Calgary	Effects of the estrogen metabolite, 2-methoxyestradiol, on vascular smooth muscle.	<i>Vascular smooth muscle, cell cycle, apoptosis, contractility.</i>	\$40,000	I
Haidar, Bassam	Marcel, Yves L	University of Ottawa Heart Institute	Control of hepatic lipidation and secretion of apolipoprotein A-I.	<i>Coronary artery disease, high density lipoprotein, cholesterol transport, apolipoprotein metabolism and gene.</i>	\$40,000	I
Hurtado, Cecilia	De Robertis, Edward M.	Howard Hughes Medical Institute	Gene-enhanced therapies for ischemic heart disease.		\$40,000	I
Jackson, Dwayne N.	Segal, Steven S.	Yale University	In vivo investigations of aging on functional determinants of skeletal-muscle blood flow.	<i>Microcirculation, aging, skeletal-muscle, blood flow, sympathetic nerves.</i>	\$33,333	I

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Jasmin, Jean-Francois	Lisanti, Michael P.	Albert Einstein College of Medicine	Roles of caveolins in pulmonary hypertension and structural remodeling of the lungs.	<i>Caveolin, pulmonary hypertension, remodeling, angiotensin, heart failure.</i>	\$40,000	I
Jassal, Davinder S.	Scherrer-Crosbie, Marielle	Massachusetts General Hospital	The role of nitric oxide synthase 3 in ventricular remodeling.	<i>Congestive heart failure, echocardiography, nitric oxide, cardiac remodeling, hypertension.</i>	\$50,000	I
Javeshghani, Danesh	Touyz, Rhian M.	IRCM	Development of hypertension in follitropin receptor knockout mouse, potential implications for women's health.	<i>Cardiovascular, oxidative stress, estrogen, angiotensin II, hypertension</i>	\$40,000	I
Jin, Ya-Ping	Hachinski, Vladimir	London Health Sciences Centre	Additional counseling support for vascular risk factors control: preventing stroke and dementia.	<i>Vascular risk factors, stroke prevention, cognitive preservation, APOE4 genotype.</i>	\$40,000	II
Jung, Benjamin	Eubanks, James H.	Toronto Western Research Institute	Characterization of GIG-11, a novel ischemia-induced gene, in neurodegeneration.	<i>Protein-interactions, phosphorylation, signal transduction, apoptosis.</i>	\$40,000	I
Kassiri, Zamanah	Khokha, Rama	Princess Margaret Hospital	Role of TIMMP-3 in development and progression of experimental heart disease.	<i>Cardiac hypertrophy, dilated cardiomyopathy, extracellular matrix, tissue-inhibitor of metalloproteinases (TIMPs), mouse.</i>	\$20,000	I
Kerfant, Benoit-Gilles	Backx, Peter H.	University of Toronto	The role of Pi3Kgamma in control and failing heart function.	<i>Heart disease, excitation-contraction coupling, transgenic mice, calcium, signalling.</i>	\$40,000	I
Khaper, Neelam	Liu, Peter P.	Toronto General Hospital	Inflammatory cytokine repertoire & effect on stem cell homing.	<i>Heart failure, oxidative stress, cytokines, cardiac remodeling and stem cell homing.</i>	\$6,153	I
Koeberle, Paulo	Schlichter, Lyanne C.	Toronto Western Hospital	Potassium channel blockade in microglia: A potential therapeutic treatment in mammalian models of stroke.	<i>Stroke, optic nerve ligation, potassium channels, central nervous system, microglia, inhibition, inflammation, retinal ganglion cell, focal cerebral ischemia.</i>	\$40,000	I
Koonen, Debby	Dyck, Jason R.B.	University of Alberta	The role of FAT/CD36 in the regulation of fatty acid utilization in the heart.	<i>CD36, AMPK, ischemia/reperfusion, fatty acid uptake, heart.</i>	\$40,000	I
Le Bouter, Sabrina N.	Nattel, Stanley	Montreal Heart Institute	Regional and disease related ion-channel distribution heterogeneity in the human heart.	<i>Heart, human, ion-channel, heart-failure, genomics tools.</i>	\$14,285	I
Lehmann, Hugo E.	Sutherland, Robert J.	University of Lethbridge	The effects of hippocampal neural death and regrowth on memory.	<i>Neuronal death, hippocampus, memory, neurogenesis.</i>	\$20,000	I, II
Lessard, Andree A.L.	Pickel, Virginia Margaret	Cornell University	Subcellular localization of neurokinin receptors in the substantia nigra: relationship with hypertension.	<i>Ultrastructural neuroanatomy, immunocytochemistry, peptide receptors, central nervous system, hypertension.</i>	\$26,701	I
Li, Jia	Redington, Andrew N.	Hospital for Sick Children	Oxygen consumption during cardiopulmonary bypass in children.	<i>Oxygen consumption, cardiopulmonary bypass.</i>	\$40,000	II
Lynch, Jeffrey M.	Molkentin, Jeffrey D.	Children's Medical Center	Determination of the role of MEF2A and MEF2D in cardiac hypertrophy.	<i>Cardiac hypertrophy, myocyte enhancer factor 2 (MEF2), transcription.</i>	\$30,000	I
Martino, Tami A.	Sole, Michael J.	University of Toronto	Molecular circadian regulation of heart disease.	<i>Myocardium, physiology, molecular biology, circadian rhythm, proteomics.</i>	\$40,000	I
Nian, Min	Liu, Peter	Toronto General Hospital	Molecular pathogenesis of viral myocarditis.	<i>Viral myocarditis, p56lck, conditional knockout, mCAR.</i>	\$20,000	I

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O'Kelly, Cian	Wallace, M. Christopher	Toronto Western Hospital	Does fenestration of the lamina terminalis prevent chronic hydrocephalus after aneurysmal subarachnoid hemorrhage?	<i>Aneurysmal subarachnoid hemorrhage, hydrocephalus.</i>	\$50,000	II
Palmer, Daniel	Coughlin, Shaun R.	University of California	G12/13 signalling in cardiovascular biology.	<i>Vascular biology, cell signalling, genetics.</i>	\$40,000	I
Rezvani, Mojgan	Dzau, Victor J.	Harvard Medical School	Genomics analysis of mouse embryonic stem cells derived cardiac myocytes.	<i>Cardiovascular disease, mouse embryonic stem cells, genomics, affymetrix microarray, gene</i>	\$40,000	I
Riley, Barbara	Edwards, Nancy Christine	University of Ottawa	A political ecology of primary prevention: the case of cardiovascular disease in Canada.	<i>Political ecology, primary prevention, cardiovascular disease, knowledge transfer, policy analysis.</i>	\$30,000	IV
Rose, Robert A.	Backx, Peter H.	University of Toronto	Role of P13Kinase-gama in heart rate regulation and in heart disease.	<i>Ion channels, heart disease, contractility, calcium, transgenics, mouse.</i>	\$40,000	I, II
Ruest, Louis-Bruno	Clouthier, David E.	University of Louisville	Endothelial-A receptor signalling during cardiac neural crest cell development.	<i>cardiac neural crest cell, knockout mice, DNA microarray, antagonist, development.</i>	\$40,000	I
Semeniuk, Lisa M.	Exner, Derek V.	University of Calgary	Cardiac resynchronization therapy - Evaluating predictors of response.	<i>Cardiac resynchronization therapy, pacing, electrophysiology, heart failure, hemodynamics.</i>	\$40,000	II
Singaraja, Roshni R.	Hayden, Michael R.	University of British Columbia	The role of palmitoylation in the functional activity of ABCA1.	<i>Palmitoylation, lipid, atherosclerosis, efflux, trafficking.</i>	\$40,000	I
Smith, Lori K.	Metz, Gerlinde A.	University of Lethbridge	Effects of stress and glucocorticoids on recovery after stroke.	<i>Stroke, stress, behaviour, rat model.</i>	\$40,000	I
Spears, Julian	Wallace, M. Christopher	Toronto Western Hospital	Development of a prediction model for neurological outcome following surgery of brain AVMs in the prevention of hemorrhagic stroke.	<i>Stroke, prevention, brain arteriovenous malformations, surgery, outcome measures.</i>	\$50,000	II
Storbeck, Christopher J.	Sabourin, Luc A.	University of Ottawa	Investigation of the role of CLIM 2 in MLP mediated cardiomyopathy.	<i>Hypertrophy, dilated cardiomyopathy, MLP, CLIM2.</i>	\$33,333	I, II, IV
Tedford, Hugo W.	Zamponi, Gerald W.	University of Calgary	Molecular determinants of G-protein mediated regulation of N-type calcium channels.	<i>Calcium channel, electrophysiology, pain management, heterotrimeric G proteins.</i>	\$33,333	I, II
Touret, Nicolas	Grinstein, Sergio	Hospital for Sick Children	Role of the scavenger receptor CD36 in the initiation of inflammatory responses involved in atherosclerosis.	<i>Atherosclerosis, macrophages, CD36, oxidized-LDL, inflammatory response.</i>	\$40,000	I
Trivieri, Maria	Backx, Peter H.	University of Toronto	Role of thyroid hormone in heart.	<i>Heart disease, thyroid hormone, transgenic mice</i>	\$40,000	I
Vanderluit, Jacqueline Liza	Slack, Ruth S.	University of Ottawa	P107 and pRb in stem cell proliferation and neurogenesis following stroke.	<i>Stem cells, regeneration, stroke, neurogenesis.</i>	\$40,000	I
Wan, Xiang	Salter, Michael W.	Hospital for Sick Children	Attenuation of excitotoxicity using novel Src kinase inhibitors.	<i>Stroke, excitotoxicity, NMDA receptors, cell death, tyrosine kinase.</i>	\$6,666	I
Wang, Hao	Nemer, Mona	IRCM	Molecular dissection of angiotensin II-dependent cardiac hypertrophy.	<i>Angiotensin II, cell signaling, apoptosis, cardiac hypertrophy, heart failure, transgenic mice.</i>	\$3,166	I
Wei, Wen-Li	MacDonald, John F.	University of Toronto	Regulation of TRPM-like current in cerebral stroke.	<i>TRP, channels, patch clamping, calcium, anoxia</i>	\$40,000	I
Wong, Wei	Scott, John D.	Oregon Health & Science University	Functional analysis of mAKAP signaling complexes in cardiomyocytes.	<i>MaKAP, PKA, ERK5, signaling complexes.</i>	\$40,000	I
Yang, Guangdong	Wang, Rui	University of Saskatchewan	The physiological role of endogenous hydrogen sulfide in the regulation of smooth muscle cell proliferation and apoptosis.	<i>Hydrogen sulfide, vascular smooth muscle cells cystathionine gamma-lyase, proliferation, apoptosis.</i>	\$23,333	I

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New Investigators

Bourses de nouveau chercheurs

Applicant Chercheur	Institute Institut	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Anderson, Christopher M.	University of Manitoba	PARP1 effects on bioenergetics and glutamate homeostasis in brain.	<i>Poly(ADP-ribose) polymerase, excitotoxicity, astrocytes, glutamate transport.</i>	\$50,000	I
Barber, Philip A.	University of Calgary	Magnetic resonance molecular imaging (MRMI) of the early endothelial inflammatory response in focal ischemia.	<i>Stroke, magnetic resonance imaging, neuroinflammation.</i>	\$65,000	I
Brown, Arthur	Robarts Research Institute	Genetic control of heart development and autonomic dysreflexia.	<i>Cardiogenesis, EphA3, knock-out, autonomic dysreflexia.</i>	\$50,000	I
Childs, Sarah J.	University of Calgary	Blood vessel development in zebrafish.	<i>Angiogenesis, development, zebrafish, genomic, molecular biology.</i>	\$50,000	I
Czubryt, Michael P.	University of Manitoba	Roles of MEF2 and HDAC5 in cardiac failure and hypertrophy.	<i>Transcriptional regulation, cardiac hypertrophy, molecular biology, sexual dichotomy, transgenic mice.</i>	\$50,000	I
Dawson, John F.	University of Guelph	Characterization of human cardiac actin mutations linked to hypertrophic and dilated cardiomyopathies.	<i>Cardiac actin mutations, hypertrophic and dilated cardiomyopathy, protein expression and manipulation, actin binding assays.</i>	\$50,000	I
Drolet, Benoit	Université Laval	The modulating effects of diabetes, obesity and genetics on the electrophysiology of QT-prolonging drugs.	<i>Electrophysiology, obesity, diabetes, patch-clamp, TW-prolonging drugs.</i>	\$50,000	I
Fernandez-Patron, Carlos A.	University of Alberta	New vasoconstrictor mechanism triggered by transactivation of a growth pathway.	<i>Vascular, epidermal growth factor receptor, transactivation, G-protein coupled receptor.</i>	\$50,000	I
Jacques, Danielle	Université de Sherbrooke	Regulation of intracellular calcium by NPY in endocardial endothelial cells.	<i>Neuropeptide Y, endocardial endothelium, confocal microscopy, receptor mapping, intracellular calcium.</i>	\$50,000	I
Liaw, Patricia C.Y.	McMaster University	Modulation of inflammation and apoptosis by activated protein C, a natural anticoagulant.	<i>Activated protein C, sepsis, anticoagulant, inflammation, apoptosis.</i>	\$50,000	I
MacDonald, Justin A.	University of Calgary	Characterization of CHASM involvement in cGMP-evoked calcium desensitization in vascular smooth muscle.	<i>Calcium desensitization, smooth muscle tone, nitric oxide, cGMP-dependent protein kinase, signal transduction.</i>	\$50,000	I
Mak, Susanna	Mount Sinai Hospital	Estrogen and cardiac function in humans with and without heart failure.	<i>Sex, estrogen, ventricular function, heart failure.</i>	\$50,000	II
Melo, Luis G.	Queen's University	Gene therapy for long term myocardial protection and rescue.	<i>Myocardium, echocardiography, hemodynamic measurements, histology.</i>	\$50,000	I
Miller, Gregory E.	University of British Columbia	Depression, inflammation, and risk for coronary heart disease.	<i>Depression, behavioral cardiology, inflammation, coronary heart disease, metabolic syndrome.</i>	\$65,000	II, IV
Pasumarthi, Kishore Babu S.	Dalhousie University	Isolation and characterization of cardiac progenitor cells.	<i>Transgenic mice, embryonic stem cells, cardiac progenitor cells, gene expression, cardiac repair.</i>	\$50,000	I
Pyle, William Glen	University of Guelph	The role of cardiac Z-disc in signal transduction and myocardium.	<i>Actin capping protein, intracellular signalling, muscle mechanics, cytoskeleton, heart failure.</i>	\$50,000	I
Reid, Robert D.	University of Ottawa	Interventions to promote physical activity for the secondary prevention of CAD.	<i>Physical activity, CAD.</i>	\$50,000	IV
Richard, Darren E.	Université Laval	Vasoactive hormones and hypoxia in the control of vascular endothelial growth factor.	<i>Hypoxia, VEGF, HIF, angiogenesis, vascular smooth muscle.</i>	\$33,333	I
Rodger, Marc A.	University of Ottawa	Thrombophilia: novel associations and therapeutic interventions.	<i>Thrombophilia, pregnancy, randomised controlled trial, hemodialysis access, thrombosis, case control study.</i>	\$50,000	II
Trigatti, Bernardo L.	McMaster University	Effect of tissue specific expression or suppression of the HDL receptor SR-BI on cardiovascular disease.	<i>Transgenic, knockout, HDL receptor, atherosclerosis, coronary artery disease.</i>	\$50,000	I

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Wang, Hui Di	Brock University	Vascular gp-91phox containing NADPH oxidase in angiotensin II-induced hypertension.	<i>NADPH oxidase, angiotensin II, endothelin-1, hypertension, hypertrophy.</i>	\$50,000	I
Welsh, Donald G.	University of Calgary	Basis of pyrimidine-induced vasoconstriction.	<i>Coronary arateries, vascular smooth muscle, pyrimidines, electrophysiology, cyosolic calcium.</i>	\$50,000	I
Werstuck, Geoffrey H.	McMaster University	Mechanisms by which diabetes mellitus promotes the development and progression of atherosclerosis.	<i>Atherosclerosis, diabetes mellitus, endoplamis reticulum, molecular and cellular biology, mouse models.</i>	\$50,000	I
Whitman, Stewart C.	University of Ottawa Heart Institute	The role of the immune system in atherosclerosis: mechanism of action of IL-12 and IL-18.	<i>Antherosclerosis, immunology, apoE-/- mouse, cytokines.</i>	\$60,000	I
Zha, Xiaohui	Ottawa Hospital Research Institute	ABCA1 and molecular mechanism of cholesterol efflux.	<i>ABCA1, cholesterol, fluorescent microscopy, membrane, trafficking.</i>	\$50,000	I
Zhang, Shetuan	St. Boniface G.H. Research Centre	The mechanisms of sudden cardiac death caused by cocaine.	<i>Myocardium, emergncy cardiac care, electrophysiology, molecular biological techniques, cardiac dysrrhythmias.</i>	\$50,000	I
Zheng, Xi-Long	University of Calgary	Atherogenesis: an investigation of vascular smooth muscle phospholipase D.	<i>Vascular smooth muscle, phospholipase D, cell proliferation, phenotypic transition, gene induction.</i>	\$50,000	I

Themes I: Basic Biomedical
Thèmes I : Biomédicale fondamentale

II: Clinical
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III: Health Services/Systems
III : Services et systèmes de santé

IV: Population Health
IV : Santé de la population

Visiting Scientist

Bourses de chercheur invité

Applicant Chercheur	Sponsor Parrain de la demande	Institute Institut	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Moore, David F.	Winlove, C. Peter	University of Exeter	Defining the mechanical properties of the brain using a poro-elastic model.	<i>Stroke, brain oedema, material properties, brain injury.</i>	\$10,000	I

Nursing Research Fellowships

Bourses de perfectionnement en sciences infirmières

Applicant and Degree Chercheur et degré	Supervisor Directeur	Institute Institut	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Carroll, Sandra Lee	Arthur, Heather M.	McMaster University	Uncertainty and optimism in patients receiving implantable defibrillators.	<i>Implantable defibrillators, uncertainty, optimism, quality of life.</i>	\$25,000	II
Cortes, Olga L.	Markle-Reid, Maureen	McMaster University	Progressive upright mobilization program of patients after acute myocardial infarction in coronary care units.	<i>Nursing care, mobilization patterns, coronary care unit, cardiac rehabilitation, myocardial infarction.</i>	\$8,333	II
Green, Theresa L.	King, Kathryn M.	University of Calgary	The post-discharge impact of stroke.	<i>Economic, social, impact of stroke.</i>	\$12,500	III
Harkness, Karen	Arthur, Heather M.	McMaster University	Anxiety and depression in patients with heart failure & their caregivers: is there a co-variance.	<i>Heart failure, anxiety, depression, caregiver.</i>	\$25,000	II
Ireland, Sandra E.	Arthur, Heather M.	McMaster University	Stroke prevention clinic: relationships among patient satisfaction, health related quality of life and self-management of risk factors.	<i>Stroke prevention, patient satisfaction, relationships.</i>	\$2,083	III
Lapum, Jennifer, L.	Angus, Jan E.	University of Toronto	Narratives of technological health care, patients reconstruction of self-identity following open-heart surgery.	<i>Heart surgery, experiences, technology, self-identity, narratives.</i>	\$25,000	II
McLean, Donna L.	Tsuyuki, Ross T.	University of Alberta	Detection and management of hypertension in patients with diabetes in the community.	<i>Detection, management, hypertension, diabetes, community.</i>	\$25,000	III
Parry, Monica J.E.	Watt-Watson, Judy	University of Toronto	Impact of a home-based intervention on health-related quality of life, function, and symptom management for people following coronary artery bypass graft surgery.	<i>Health related quality of life (HRQOL), peer support, symptom management, functional status, coronary artery bypass graft surgery.</i>	\$25,000	II

The HSFC wishes to thank the following industry supporters for their generous contributions to support the HSFC Research Program.
La FMCC souhaite remercier les compagnies suivantes de leur généreuse contribution pour soutenir le programme de recherche de la FMCC.



Special Awards **Prix spéciaux**

HSFC/AstraZeneca Research Fellowship
Bourse de Perfectionnement FMCC/Sanofi-aventis

Applicant Chercheur	Supervisor Directeur	Institute Établissement	Project Projet	Keywords Mots-clés	Funding Financement	Theme Thème
Lapointe, Benoît	Kubes, Paul	University of Calgary	In vivo leukocyte trafficking and emigration in a model of stroke.	Stroke, chemotaxis, emigration, recruitment, leukocyte.	\$30,000	I
Overgaard, Christopher	Newton, Gary E.	University of Toronto	Free radical modulation of mechanical efficiency in heart failure.	Heart failure, free radicals, mechanical efficiency.	\$25,000	II

HSFC/Sanofi-aventis Research Fellowship
Bourse de Perfectionnement FMCC/Sanofi-aventis

Bouchard, Luigi	Vohl, Marie-Claude	Université de Laval	Genomic insights into the metabolic syndrome.	Visceral obesity, DNA microarrays, differential gene expression.	\$40,000	I, IV
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Appendix **C**
Annexe

FEDERATION RESEARCH FUND
FONDS DE RECHERCHE DE LA FÉDÉRATION

**Community Alliances For Health Research
(CAHRs) 2001**

**Alliances communautaires pour la recherche
en santé (ACRS) 2001**

Partners: HSFC, ICRH

Total Project Funding: \$1,250,000

HSFC Total Project Funding: \$250,000

Description: The intent of the CAHR program is to foster excellent research of relevance to community groups and agencies in the four themes of health research. The program facilitates mutual learning and collaboration among community organizations and partnerships with researchers based in local universities, hospitals and other not-for-profit institutions. In addition to contributing to the improved health and quality of life in communities involved in CAHRs, the program provides unique opportunities for training of health researchers in all disciplines. One project received HSFC funding.

Partenaires : FMCC, ISCR

Financement total de l'initiative : 1 250 000 \$

Financement total de l'initiative par la FMCC : 250 000 \$

Description : L'objectif du programme ACRS consiste à favoriser la recherche de haut niveau pertinente aux groupes et agences communautaires dans le cadre des quatre thèmes de la recherche en santé. Le programme facilite l'apprentissage mutuel et la collaboration entre les organismes communautaires et le partenariat avec les chercheurs des universités, hôpitaux et établissements sans but lucratif locaux. En plus de contribuer à l'amélioration de la santé et de la qualité de vie des collectivités impliquées dans les ACRS, le programme offre une occasion de formation unique aux chercheurs de toutes les disciplines de la santé. Un seul projet a été financé par la FMCC.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Lyons, Renée	Dalhousie University	Developing a community alliance for the remodelling of rural health systems: taking action on chronic illness.	Nova Scotia: Babin, Paulette; Booth, Rhonda; Boudreau, Debra; Corning, Corinne; Doble, Susan; Doucet-Murray, Dianna; Eskes, Gail; Gahagan, Jacqueline; Garnett, Caroline; Gubit, Gordon J.; Hanlon, Neil; Harrison, Edmund R.; Johnson, Shanthi; Langille, Lynn; Leblanc, Judy; Lutz, Barbara; Mackay-Lyons, Marilyn J.; Mackinnon, Neil; McDonald, Alison M.; McGregor, Barry; Musie, Katherine; Newell, Joanne; Pennock, Michael; Phillips, Stephen J.; Pothier, Richard; Rathwell, Thomas; Ryan, Brenda; Simpson, Patrice; Veres, April; Watton, JoAnne; Wilson, JoAnne; Zitner, David; Ontario: Pong, Raymond; Other: Wood- Bayne Judith	\$49,814	\$250,000	\$1,250,000	III

Interdisciplinary Health Research Teams (IHRTs) 2001

Équipes interdisciplinaires de recherche en santé (EIRS) 2001

Partners: CIHR, HSFC

Total Project Funding: \$6,000,000

HSFC Total Initiative Funding: \$1,000,000

Description: IHRT's are interdisciplinary, multi-centre collaborations between at least two of the four themes of health research, with an emphasis on research translation between the sectors, and focused on an important health problem. Ten projects were approved for funding, one of which received HSFC funding.

Partenaires : IRSC, FMCC

Financement total de l'initiative : 6 000 000 \$

Financement total de l'initiative par la FMCC : 1 000 000 \$

Description : Les EIRS sont des efforts de collaboration multidisciplinaires et multicentriques entre au moins deux des quatre thèmes de la recherche en santé, avec une emphase sur le transfert de la recherche entre les secteurs et concentrés sur un problème de santé important. Dix projets ont été approuvés à des fins de financement, dont un a reçu l'appui financier de la FMCC.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Tu, Jack	Sunnybrook & Women's College HSC	Cardiovascular Outcomes Research Team (CCORT): measuring and improving the quality of cardiac care in Canada.	Alberta: Ghali, William; King, Kathryn M.; Knudtson, Merril L.; British Columbia: Carere, Ronald G.; Carere, Ronald G.; Humphries, Karin H.; Nova Scotia: Burge, Frederick I.; Cox, Jafna L.; Flowerdew, Gordon; Jackson, Lois; Putnam, Wayne; Ontario: Alter, David; Austin, Peter; Cohen, Eric A.; Femes, Stephen E.; Hux, Janet; Jackevicius, Cynthia A.; Laupacis, Andreas; Liu, Peter; Manuel, Douglas; Singer, Peter; Stabile, Mark; Quebec: Eisenberg, Mark J.; Pilote, Louise; Other: Wolfson, Michael	\$200,000	\$1,000,000	\$6,000,000	III

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Chronic Disease New Emerging Teams (NET) 2002

Équipes en voie de formation sur les maladies chroniques (EVF) 2002

Partners: HSFC, CDA, KFOC, ICRH, INMD

Total Initiative Funding: \$6,975,441

HSFC Total Initiative Funding: \$500,000

Description: The objectives of the New Emerging Team grant programs is to: supply support funds for the creation or development of new competitive research teams, which show potential for successfully applying for infrastructure team funding in the future; support multidisciplinary and cross-theme research in identified areas of focus; support the training and establishment of new investigators; and create a team environment to favour the development of new fundable research projects. HSFC and its partners funded programs of interdisciplinary research focused on common and related aspects of kidney disease, cardiovascular disease and diabetes. HSFC partnered on all 6 projects under the Chronic Disease Net umbrella with our portion of funds flowing directly to 2 of the 6 projects

Partenaires : FMCC, ACD, FCR, ISCR, INMD

Financement total de l'initiative : 6 975 441 \$

Financement total de l'initiative par la FMCC : 500 000 \$

Description : Les objectifs des programmes de subvention aux équipes en voie de formation sont les suivants : offrir du financement à la création ou au développement de nouvelles équipes de recherche concurrentielles affichant un potentiel d'application réussie du financement d'équipes d'infrastructure pour l'avenir, soutenir la recherche multidisciplinaire et trans-thématique dans les domaines d'intérêt identifiés, soutenir la formation et l'établissement de nouveaux chercheurs et créer un environnement d'équipe qui favorise le développement de nouveaux projets de recherche à financer. La FMCC et ses partenaires ont financé des programmes de recherche interdisciplinaires portant sur des aspects communs et connexes des maladies rénales, des maladies cardiovasculaires et du diabète. La FMCC était partenaire des six projets regroupés sous le parapluie des maladies chroniques et sa part de financement est allée directement à deux de ces six projets.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Anderson, Geoffrey M. (Co-Lead); Rochon, Paula A. (Co-Lead)*	University of Toronto	Pharmacological management of chronic disease in older adults.	Ontario: Hux, Janet; Laupacis, Andreas; United States: Gurwitz, Jerry H.; Stukel, Therese	\$0	\$0	\$1,230,925	I, II, III
Johnson, Jeffrey A.	University of Alberta	Establishment of the alliance for Canadian health outcomes research in diabetes (ACHORD) group.	Alberta: Ghali, William; Jacobs, Philip; Majumdar, Sumit; Toth, Ellen L.	\$50,000	\$250,000	\$908,600	II, III, IV
Lebel, Marcel*	Hôtel Dieu de Québec	Cardiovascular health in chronic renal failure.	Quebec: Agharazii, Mohsen; Cléroux, Jean; Isenring, Paul; Larivière, Richard; Richard, Darren E.	\$0	\$0	\$1,250,000	I, II
Nichol, Graham; O'Brien Bernie*	Ottawa Heart Institute; McMaster University	Cardiovascular outcomes related to economic (core) group.	Alberta: Armstrong, Paul W.; Donaldson, Cameron; Sheldon, Robert S.; Ontario: Wells, George A.	\$0	\$0	\$1,141,608	II, III, IV
Parfrey, Patrick S.	Health Sciences Centre, St. John's	Canadian collaborative group for the prevention of illness in chronic kidney disease The Canadian prevention of renal and cardiovascular end-points trial.	British Columbia: Levin, Adeera; Molzahn, Anita E.; Singer, Joel; Manitoba: Rigatto, Claudio; Newfoundland: Barrett, Brendan; Ontario: Churchill, David; Gerstein, Hertzell C.; Goeree, Ron	\$50,000	\$250,000	\$1,250,000	II, III
Scholey, James W.*	University of Toronto	Gender/genes and glomerular-based diseases research group.	Ontario: Beanlands, Heather; Cattran, Daniel; McCay, Elizabeth; Miller, Judith A.	\$0	\$0	\$1,194,308	I, II, IV

* HSFC is recognized as a funding partner on this project as per its participation in the specific funding initiative.

* La FMCC est reconnue comme partenaire financier de ce projet en raison de sa participation à cette initiative de financement spécifique.

Partners: HSFC, ICRH**Total Initiative Funding:** \$7,926,761**HSFC Total Initiative Funding:** \$2,000,000

Description: This initiative focused on the interplay between genetic and environmental factors in the manifestation and progression of circulatory and respiratory diseases and disorders. The purpose of the Interdisciplinary Health Research Teams (IHRT) program is to build collaborations among scientists working in the fields of population health epidemiology, environmental health sciences, cell, molecular biology, biochemistry, physiology, pathology, pharmacology, genomics, molecular diagnostics, and biostatistics to plan innovative research programs that integrate molecular and epidemiologic perspectives. The general purpose of the collaboration is to elucidate critical research questions in circulatory and respiratory diseases that cannot be addressed within the confines of a single discipline. HSFC partnered with ICRH on all three projects although funding only went directly to one project.

Partenaires : FMCC, ISCR**Financement total de l'initiative :** 7 926 761 \$**Financement total de l'initiative par la FMCC :** 2 000 000 \$

Description : Cette initiative portait sur l'interaction entre les facteurs génétiques et environnementaux dans la manifestation et la progression des maladies et troubles circulatoires et respiratoires. L'objectif du programme des Équipes interdisciplinaires de recherche en santé (EIRS) consiste à établir des liens de collaboration entre les chercheurs des domaines de l'épidémiologie de la santé de la population, des sciences de la santé environnementale, des cellules, de la biologie moléculaire, de la biochimie, de la physiologie, de la pathologie, de la pharmacologie, de la génomique, du diagnostic moléculaire et de la biostatistique afin de planifier des programmes de recherche innovateurs intégrant les points de vue moléculaires et épidémiologiques. L'objectif général de cette collaboration consiste à élucider des questions scientifiques critiques au sujet des maladies circulatoires et respiratoires auxquelles il est impossible de répondre à l'intérieur des confins d'une discipline unique. La FMCC est partenaire des ISCR au sein des trois projets de cette initiative, bien qu'une aide financière n'ait été accordée qu'à un seul de ces projets.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Hamet, Pavel*	Université de Montréal	Cardiogene: a consortium to explore the nature of gene-environment interactions in major cardiovascular disorders using human and animal models. Should lead to targeted therapeutic and preventive interventions in cardiovascular disorders.	Quebec: Abrahamowicz, Michal; Deng, Alan Y.; Frasure-Smith, Nancy; Gaudet, Daniel; Lesperance, Francois; Merlo, Ettore; Nattel, Stanley; Pausova, Zdenka; Shatenstein, Bryna; Siemiatycki, Jack; Skamene, Emil; Tanguay, Jean-Francois; Tremblay, Johanne	\$0	\$0	\$2,632,272	I
Liu, Peter	University of Toronto	Developing an integrated Canadian strategy to address heart failure - gene environment interaction of host stress response repertoire.	Alberta: ter Keurs, Henk E.D.J.; British Columbia: McManus, Bruce M.; Manitoba: Dhalla, Naranjan S.; Dixon, Ian M.; Kirhsenbaum, Lorrie A.; Singal, Pawan K.; Ontario: Arnold, J. Malcolm O.; Backx, Peter H.; McKelvie, Robert S.; Nolan, Robert P.; Ross, Heather J.; Rouleau, Jean-Lucien; Tsui, Lap-Chee; Van Eyk, Jennifer E.; Yeh, Wen-Chen; Quebec: Hamet, Pavel; White, Michel	\$400,000	\$2,000,000	\$2,550,000	I, II, IV

* HSFC is recognized as a funding partner on this project as per its participation in the specific funding initiative.

* La FMCC est reconnue comme partenaire financier de ce projet en raison de sa participation à cette initiative de financement spécifique.

Gene-Environment Interactions IHRTs 2002

Interactions entre les gènes et l'environnement (EIRS) 2002

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Paré, Peter*	University of British Columbia	Inflammatory gene haplotypes and their susceptibility in cardiac, vascular and pulmonary disease.	British Columbia: Carlson, Christopher; Chan-Yeung, Moira; Frohlich, Jiri J.; Graham, Jinko; Hegele, Richard; Hill, John S.; James, A. Russell; McManus, Bruce M.; Munt, Bradley I.; Nelson, Colleen; Sandford, Andrew J.; Schellenberg, Robert; Scott, J. Tebutt; Thompson, Christopher R.; Walley, Keith R.; Manitoba: Anthonisen, Nicholas R.; Becker, Allan	\$0	\$0	\$2,744,489	I, II

ICRH/HSFC New Emerging Teams (NET) 2003

Équipes en voie de formation ISCR/FMCC (EVF) 2003

Partners: HSFC, ICRH

Total Initiative Funding: \$4,795,947

HSFC Total Initiative Funding: \$2,371,128

Description: The New Emerging Team (NET) is a new and innovative funding program developed for the purpose of building capacity in new and developing areas of research; to build new research teams; and to give researchers a building block for applying for research funding in future years.

Partenaires : FMCC, ISCR

Financement total de l'initiative : 4 795 947 \$

Financement total de l'initiative par la FMCC : 2 371 128 \$

Description : Le programme Équipes en voie de formation (EVF) est un nouveau programme innovateur développé dans le but d'améliorer la capacité de recherche dans des domaines nouveaux et en développement; de créer de nouvelles équipes de chercheurs et d'offrir aux chercheurs une pierre d'assise sur laquelle asseoir le financement de la recherche au cours des prochaines années.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Gutkowska, Jolanta	Hôtel Dieu de Montréal	Development of cardiac cell replacement / regeneration therapies based on cardiomyogenic action of oxytocin.	Quebec : Blaise, Gilbert A.; Jankowski, Marek; Paquin, Joanne; Troncy, Eric T.E.	\$154,000	\$770,000	\$1,557,000	I, II
Smith, Graeme N.	Queen's University	Pre-eclampsia: fetal and maternal outcomes and innovative therapies.	Ontario : Graham, Charles H.; Kisilevsky, Barbara; MacDonald, Susan E.; Walker, Mark; Wen, Shi Wu	\$174,640	\$860,889	\$1,739,481	II
Tamblyn, Robyn	McGill University	E-Integration in the management of respiratory and circulatory disease: elucidating the multi-level mechanism that optimize population outcomes.	Quebec : Dubé, Laurette; Emst, Pierre; Mayo, Nancy E.; Pinsonneault, Alain; Verter, Vedat	\$149,982	\$740,239	\$1,499,466	II, III

* HSFC is recognized as a funding partner on this project as per its participation in the specific funding initiative.

* La FMCC est reconnue comme partenaire financier de ce projet en raison de sa participation à cette initiative de financement spécifique.

Obesity New Emerging Teams (NET) 2003

Équipes en voie de formation sur l'obésité (EVF) 2003

Partners: HSFC, CIHR

Total Initiative Funding: \$3,000,000

HSFC Total Initiative Funding: \$1,000,000

Description: Through the HSF Research Fund, the Foundation partnered with INMD to support two NET programs – designed to promote the formation of new and previously nonexistent research teams or the growth of small existing teams of researchers in the area of obesity/healthy body weight.

Partenaires : FMCC, IRSC

Financement total de l'initiative : 3 000 000 \$

Financement total de l'initiative par la FMCC : 1 000 000 \$

Description : Par l'entremise du Fonds de recherche de la Fondation des maladies du cœur, la Fondation s'est associée à l'INMD pour financer deux programmes EVF, destinés à promouvoir la formation de nouvelles équipes de recherche auparavant inexistantes ou la croissance de petites équipes déjà formées de chercheurs dans le domaine de l'obésité et du poids santé.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Raine, Kim	University of Alberta	An ecological perspective on the promotion of healthy weights.	Alberta: Church, William; McCargar, Linda; Plotnikoff, Ronald C.; Wild, T. Cameron	\$100,000	\$500,000	\$1,500,000	IV
Sharma, Arya Mitra	Hamilton General Hospital	Obesity and atherothrombosis.	Ontario : Anand, Sonia S.; Austin, Richard C.; Weitz, Jeffrey I.; Yusuf, Salim	\$100,000	\$500,000	\$1,500,000	I, II

Addressing Health Care & Health Policy Challenges of Genetic Medicine 2004

Relever les défis des soins et des politiques de santé de la médecine génétique 2004

Partners: IG, IHSPR, IPPH, CCOHTA, HSFC, FPT Task Group on Genetics and Health

Total Initiative Funding: \$2,568,037

HSFC Total Initiative Funding: \$150,000

Description: The program was designed to provide operating grant funds in support of research projects, the results of which will better equip health care providers, administrators and policy makers to improve the health of populations and strengthen the health care system in Canada in the face of the rapid growth in new technologies and understandings associated with the "genetics era". Two projects were funded through this initiative; HSFC directly supported one project.

Partenaires : IG, ISPS, ISPP, OCCETS, FMCC, Groupe de travail FPT sur la génétique et la santé

Financement total de l'initiative : 2 568 037 \$

Financement total de l'initiative par la FMCC : 150 000 \$

Description : Ce programme a été conçu afin de fournir des fonds de fonctionnement à des projets de recherche, dont les résultats serviront à mieux équiper les professionnels de la santé, les administrateurs et les décideurs dans le but d'améliorer la santé des populations et de renforcer le système de santé du Canada face à la croissance rapide des nouvelles technologies et des notions d'« ère de la génétique ». Deux projets ont reçu du financement par l'entremise de cette initiative. La FMCC finançait directement un de ces projets.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Rousseau, Francois	Université Laval	Health care and health policy challenges in genetic laboratory services.	British Columbia: Friedman, Jan; Quebec: Battista, Renaldo; Blancquaert, Ingeborg Rose; Drouin, Régen; Forest, Jean Claude; Foulkes, William; Giguere, Yves; Godard, Beatrice; Labrecque, Michel; Laflamme, Nathalie; Lamarche, Marie-Christine; Lamothe, Lise; Landry, Réjean; Legare, France; Marra, Carlo; Reinharz, Daniel	\$50,000	\$150,000	\$2,098,210	III

Themes I : Basic Biomedical
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Canadian Tobacco Control Research Initiative 2004

Initiative canadienne de recherche pour la lutte contre le tabagisme 2004

Partners: INMHA, ICR, IAPH, ICRH, IGH, IHDCYH, NCIC, CCS, HSFC, HC, CLA, QLA, CTCRI

Total Project Funding for HSFC co-funded projects: \$1,628,450

HSFC Total Initiative Funding: \$803,450

Description: Through this strategic initiative, the sponsoring organizations hope to challenge researchers working across a host of disciplines representing the full spectrum of health research to undertake work which will contribute to our understanding of the mechanisms of tobacco abuse and nicotine addiction in order to inform the intervention strategies of additional professionals, policy makers and the Canadian public health community in the tobacco control effort. This strategic initiative is committed to addressing several major challenges cutting across multiple areas of tobacco abuse and nicotine addiction research: developing capacity to conduct excellent tobacco-related research; addressing gaps in research data; stimulating knowledge translation; enhancing research methods; fostering national coordination; and building international collaboration. Three ICE Grants, two Policy Research Grants, and one Knowledge Synthesis Grant were funded. Only the projects which received funding from HSFC are listed below.

Partenaires : INSMT, IC, ISA, ISCR, ISFH, IDSEA, INCC, SCC, FMCC, SC, APC, APQ, ICRCT

Financement de projet total accordé aux projets co-financés par la FMCC : 1 628 450 \$

Financement total de l'initiative par la FMCC : 803 450 \$

Description : Par l'entremise de cette initiative stratégique, les organismes commanditaires espèrent lancer un défi aux chercheurs à l'œuvre dans de nombreuses disciplines représentant une gamme complète de recherche en santé pour qu'ils entreprennent des travaux susceptibles de contribuer à comprendre les mécanismes liés au tabagisme et à la dépendance à la nicotine afin d'informer les stratégies d'intervention d'autres professionnels, de décideurs politiques et de la communauté de santé publique du Canada dans leurs efforts en matière de contrôle du tabac. Cette initiative stratégique s'est engagée à relever divers défis importants dans plusieurs domaines de la recherche reliés au tabagisme et à la dépendance à la nicotine, comme : développer la capacité de mener d'excellentes recherches reliées au tabagisme, combler les lacunes en matières de données de recherche, stimuler le transfert de connaissances, améliorer les méthodes de recherche, favoriser la coordination nationale et développer une collaboration internationale. Trois subventions EIRC, deux subventions de recherche sur les politiques et une subvention de synthèse des connaissances ont été financées. Seuls les projets ayant reçu l'appui de la FMCC sont mentionnés dans la liste qui suit.

Interdisciplinary Capacity Enhancement (ICE) Grant Subvention aux équipes interdisciplinaires de renforcement des capacités (EIRC)

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
O'Loughlin, Jennifer	McGill University	Strengthening the links between research, practice, and public policy to reduce the burden of tobacco.	Ontario : Tyndale, Rachel; Quebec: Gauvin, Lise; Paradis, Gilles; Renaud, Lise; Tremblay, Michele; U.S.A.: DiFranza, Joseph	\$135,000	\$675,000	\$1,500,000	III

Policy Research Grants Subventions de recherche sur les politiques

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Cohen, Joanna	University of Toronto	Tobacco marketing at point-of-sale.	Ontario: Landau, Stacy; O'Connor, Shawn; Robinson, Daniel; Savvaidis, Steven; Thompson, Francis; Saskatchewan: Lavack, Anne	\$63,470	\$128,450	\$128,450	III

Themes I: Basic Biomedical
Thèmes I : Biomédicale fondamentale

II: Clinical
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III : Services et systèmes de santé

IV: Population Health
IV : Santé de la population

Inflammation and Thrombosis 2004

Inflammation et thrombose 2004

Partners: HSFC, ICRH, NHLBI

Total Initiative Funding: \$761,596

HSFC Total Initiative Funding: \$260,000

Description: The program provides support for research on the interplay between inflammation and thrombosis, and encourages translational and pre-clinical studies for the development of anti-coagulation agents for better management of thrombotic disorders.

Partenaires : FMCC, ISCR, NHLBI

Financement total de l'initiative : 761 596 \$

Financement total de l'initiative par la FMCC : 260 000 \$

Description : Ce programme offre du soutien à la recherche sur les interactions entre l'inflammation et la thrombose et encourage les études de translation et précliniques sur le développement d'agents anticoagulants permettant de mieux contrôler les troubles thrombotiques.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Bajzar, Laszlo	McMaster University	Carboxypeptidases in thrombosis and inflammation.	N/A	\$65,000	\$260,000	\$761,596	I

Molecular and Cellular Imaging 2004

Imagerie moléculaire et cellulaire 2004

Partners: HSFC, ICRH, NHLBI

Total Initiative Funding: \$2,145,500

HSFC Total Initiative Funding: \$260,000

Description: Multidisciplinary approaches are needed to address technical challenges associated with imaging the heart, lung, and blood systems, especially at the cellular and molecular level in vivo. The objectives of this initiative are: to develop novel non-invasive cellular and molecular probes to image specific cellular or molecular targets and events in the cardiovascular, pulmonary, and hematopoietic systems in vivo; and to develop novel imaging techniques or adapt current imaging technologies to utilize these probes to image the cardiovascular, pulmonary, and blood systems at the cellular or molecular level.

Partenaires : FMCC, ISCR, NHLBI

Financement total de l'initiative : 2 145 500 \$

Financement total de l'initiative par la FMCC : 260 000 \$

Description : Des approches multidisciplinaires sont nécessaires pour faire face aux défis techniques associés à l'imagerie du cœur, des poumons et du système circulatoire, surtout au niveau cellulaire et moléculaire in vivo. Les objectifs de cette initiative sont les suivants : développer de nouvelles méthodes de sondage non invasives destinées à l'imagerie cellulaire et moléculaire spécifique et l'activité des systèmes cardiovasculaire, pulmonaire et hématopoïétique in vivo, ainsi que développer de nouvelles techniques d'imagerie ou d'adapter des technologies existantes afin de les utiliser dans l'imagerie cardiovasculaire, pulmonaire et circulatoire au niveau cellulaire et moléculaire.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Cloutier, Guy	Hôtel-Dieu de Montréal	Cellular imaging of blood flow rheological disorders.	Quebec : Trudel, Marie; U.S.A : Armstrong, Jonathan K.; Fisher, Timothy C.; Meiselman, Herbert J.	\$32,500	\$130,000	\$1,081,860	I
Rutt, Brian K. (Canadian Lead); Weissleder, Ralph (American Lead)	Robarts Research Institute; Harvard Medical School	MR imaging of myeloperoxidase activity.	Ontario : Bowen, Chris; Hegele, Robert A.; Huff, Murray W.; Pickering, J. Geoffrey; Rogers, Kem A.; U.S.A : Bogdanov, Alexei A.; Jaffer, Farouc Amin; Josephson, Lee; Libby, Peter; Perez, J. Manuel	\$32,500	\$130,000	\$1,063,640	I

Themes I : Basic Biomedical
Thèmes I : Biomédicale fondamentale

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Obesity New Emerging Teams (NET) 2004

Équipes en voie de formation sur l'obésité (EVF) 2004

Partners: HSFC, INMD

Total Initiative Funding: \$2,999,776

HSFC Total Initiative Funding: \$1,000,000

Description: The New Emerging Team Grant is intended to promote the formation of new and previously nonexistent research teams or the growth of small existing teams of researchers in the area of obesity/healthy body weight.

Partenaires : FMCC, INMD

Financement total de l'initiative : 2 999 776 \$

Financement total de l'initiative par la FMCC : 1 000 000 \$

Description : La subvention aux équipes en voie de formation est destinée à promouvoir la formation de nouvelles équipes de recherche auparavant inexistantes ou la croissance de petites équipes déjà formées de chercheurs dans le domaine de l'obésité et du poids santé.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Katzmarzyk, Peter T.	Queen's University	Understanding the individual and socio-environmental health risks of obesity: The Canadian Heart Health Surveys follow-up study.	Alberta : Raine, Kim D.; Nova Scotia : Joffres, Michel R.; MacLean, David R.; Ontario : Elliot, Susan; Saskatchewan : Pahwa, Punam; Reeder, Bruce	\$100,000	\$500,000	\$1,500,000	IV
Lambert, Marie	Hôpital Sainte-Justine	Familial study on the prevention of cardiovascular disease and type 2 diabetes in children and adolescents.	Quebec : O'Loughlin, Jennifer Lee; Tremblay, Angelo ; Gray-Donald, Katherine; Hanley, James A; Levy, Emile E.H.; Paradis, Gilles; Poirier, Paul	\$100,000	\$500,000	\$1,499,776	II

Palliative / End of Life Care 2004

Soins palliatifs et de fin de vie 2004

Partners: ACB, BCCA, CCMB, IA, ICR, ICRH, IGH, IHSPR, IHDCYH, INMHA, CIHR-KT, HSFC

Total Initiative Funding: \$12,205,811

HSFC Total Initiative Funding: \$662,800

Description: New Emerging Team grants are intended to support the creation or development of teams comprised of investigators undertaking collaborative, multidisciplinary research. The program is designed to promote the formation of new research teams or the growth of small existing teams of researchers in the area of palliative and end of life care. HSFC's primary focus was on communication between family and health care providers at end of life. One project was funded within this focus area. Nine projects were funded in total ranging from "End of life care and vulnerable populations" to "Transitions in pediatric palliative and end of life care".

Partenaires : ACB, BCCA, CCMB, IV, IC, ISCR, ISFH, ISPS, IDSEA, INSMT, IRSC-AC, FMCC

Financement total de l'initiative : 12 205 811 \$

Financement total de l'initiative par la FMCC : 662 800 \$

Description : Les subventions aux équipes en voie de formation sont destinées à soutenir la création ou le développement d'équipes composées de chercheurs impliqués dans des recherches collaboratives et multidisciplinaires. Le programme est conçu dans le but de promouvoir la formation de nouvelles équipes de recherche ou la croissance de petites équipes de recherche déjà en place dans le domaine des soins palliatifs et de fin de vie. L'objectif premier de la FMCC est la communication entre la famille et les professionnels de la santé en fin de vie. Un projet a reçu du financement dans ce domaine. Neuf projets variant de « Soins de fin de vie chez les populations vulnérables » à « Transitions en soins palliatifs et de fin de vie pédiatriques » ont reçu une aide financière.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Heyland, Daren K.	Queen's University	Understanding and improving communication and decision-making at the end of life.	British Columbia: Kuhl, David R.; Ontario: Cook, Deborah J.; Gafni, Amiram; Giacomini, Mita; Tranmer, Joan E.	\$150,000	\$662,800	\$1,325,641	III

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Regenerative Medicine 2004

Médecine régénérative 2004

Partners: CIHR, INMHA, IG, ICRH, IMHA, HSFC, SCN

Total Initiative Funding: \$12,000,000

HSFC Total Project Funding: \$500,000

Description: The June 2003 RFA offered support for innovative research projects in the areas of Nanotechnology Development and Nanomedicine, Stem Cells, and Tissue Engineering. This support was provided through innovative Pilot Project Grants, New Emerging Teams (NET) Grants, and Interdisciplinary Capacity Enhancement (ICE) Teams Grants. HSFC provided funding to one of eight NET Grants funded under this initiative.

Partenaires : IRSC, INSMT, IG, ISCR, IALA, FMCC, SCN

Financement total du projet : 12 000 000 \$

Financement total du projet par la FMCC : 500 000 \$

Description : L'appel aux candidatures de juin 2003 a offert du soutien aux projets de recherche innovateurs dans les domaines du développement des nanotechnologies et de la nanomédecine, des cellules souches et du génie tissulaire. Ce soutien a été offert par l'entremise des subventions aux projets pilotes, des subventions aux équipes en voie de formation et des subventions d'équipes d'amélioration de la capacité interdisciplinaire, des programmes innovateurs. La FMCC a financé un des huit projets ayant reçu une subvention EVF dans le cadre de cette initiative.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Galipeau, Jacques	Jewish General Hospital	Cardiovascular and respiratory stem cell plasticity - CARE project.	British Columbia: Lansdorp, Peter Michael; Karsan, Aly; Ontario: Liu, Peter P.; Stewart, Duncan John	\$100,000	\$500,000	\$1,500,000	I

Resuscitation Outcomes Consortium 2004

Consortium sur les résultats de la réanimation 2004

Partners: HSFC, ICHR, NHLBI

Total Initiative Funding: \$4,127,712

HSFC Total Initiative Funding: \$650,000

Description: The Program provides support for the establishment of a Resuscitation Outcomes Consortium (ROC) to conduct clinical research in the areas of cardiopulmonary arrest and traumatic injury leading to arrest. The ROC, consisting of ten Regional Clinical Centers (RCCs) and a Data and Coordinating Centre (DCC), will provide the necessary infrastructure to conduct multiple collaborative trials to aid rapid translation of promising scientific and clinical advances to improve resuscitation outcomes.

Partenaires : FMCC, IRSC, NHLBI

Financement total de l'initiative : 4 127 712 \$

Financement total de l'initiative par la FMCC : 650 000 \$

Description : Le programme offre du soutien à la mise sur pied d'un Consortium sur les résultats de la réanimation (CRR) afin de mener des études cliniques dans le domaine de l'arrêt cardiorespiratoire et des blessures traumatiques entraînant cet arrêt. Le Consortium, qui comprend dix Centre cliniques régionaux (RCC) et un Centre de données et de coordination (CDC) offre l'infrastructure nécessaire pour la réalisation d'études collaboratives multiples destinées à aider la conversion rapide des percées scientifiques et cliniques en amélioration des résultats de la réanimation.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Slutsky, Arthur S.	St. Michael's Hospital	From bench to bedside to curbside.	Ontario: Black, Sandra E.; Davis, David; Dorian, Paul; Hutchison, James S.; Lavery, James; Morrison, Laurie J.; Redelmeier, Donald A.; Rotstein, Ori D.; Sibbald, William	\$65,000	\$325,000	\$2,167,032	III
Stiell, Ian	Ottawa Health Research Institute	Proposal to create a Canadian collaborative RCC.	British Columbia: Abu-Laban, Riyad B.; Christenson, James M.; Levy, Adrian R.; Macnab, Andrew J.; Russell, James A.; Simons, Richard K.; Sun, Charles Y.; Ontario: Herbert, Paul C.; Osmond, Martin H.; Vaillancourt, Christian; Wells, George A.	\$65,000	\$325,000	\$1,960,680	III

Themes I: Basic Biomedical
Thèmes I: Biomédicale fondamentale

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III: Services et systèmes de santé

IV: Population Health
IV: Santé de la population

Sex, Gender & Cardiovascular Disease Interdisciplinary Capacity Enhancement 2004

Amélioration de la capacité de recherche interdisciplinaire sur le sexe social, le sexe biologique et les maladies cardiovasculaires 2004

Partners: IGH, ICRH, HSFC, CLA

Total Initiative Funding: \$5,905,000

HSFC Total Initiative Funding: \$1,075,000

Description: This research capacity-building program helps forge multidisciplinary teams around the three strategic research themes (i.e., Gender and sex determinants of atherosclerotic disease risks, including metabolic syndrome, across the lifespan; Gender and sex determinants of acute coronary syndromes; Gender and sex determinants of lung disease including airways diseases and lung cancer) and attracts researchers from relevant disciplines including those who have not been primarily or previously involved in health research. Four teams were funded through this initiative, with two receiving funding from HSFC.

Partenaires : ISFH, ISCR, FMCC, APC

Financement total de l'initiative : 5 905 000 \$

Financement total de l'initiative par la FMCC : 1 075 000 \$

Description : Ce programme de développement de la capacité de recherche aide à former des équipes multidisciplinaires autour de trois thèmes de recherche stratégiques (p. ex., le sexe et les variables sexuelles des risques de maladies athérosclérotiques tout au long de la vie; le sexe et les variables sexuelles des syndromes coronariens aigus; le sexe et les variables sexuelles des maladies respiratoires comme les maladies des voies respiratoires et le cancer du poumon), et attire des chercheurs de disciplines pertinentes, dont ceux qui n'ont pas été principalement ou auparavant associés à la recherche en santé. Quatre équipes ont été financées par l'entremise de cette initiative, dont deux ont reçu l'appui financier de la FMCC.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Anand, Sonia	McMaster University	Sex and Gender Determinants of Acute Coronary Syndromes and the Metabolic Syndrome: Inter-disciplinary Capacity Enhancement (ICE) Teams Grant Program.	Ontario: Alter, David A.; Arthur, Heather M.; Gerstein, Hertz C.; Lonn, Eva M.; Mehta, Shamir; Natarajan, Madhu K.; Sharma, Arya M.; Yusuf, Salim; Germany: Blankenberg, Stefan	\$115,000	\$537,500	\$1,476,251	IV
Pilote, Louise	McGill University	Gender and Sex Determinants of Cardiovascular Disease: From Bench to Beyond.	Alberta: Ghali, William; Norris, Colleen M.; British Columbia: Humphries, Karin H.; Nova Scotia: Cox, Jafna L.; Kirkland, Susan; Ontario: Tu, Jack V.; Quebec: Eisenberg, Mark J.; Hamet, Pavel; O'Loughlin, Jennifer Lee; Tremblay, Johanne	\$115,000	\$537,500	\$1,476,247	IV

Themes I: Basic Biomedical
Thèmes I : Biomédicale fondamentale

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III : Services et systèmes de santé

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IV : Santé de la population

Vascular Health and Dementia Operating Grants 2004

Subventions à la santé et à la démence vasculaires 2004

Partners: HSFC, ASC, INMHA, IA, CIHR Rx&D Program, Pfizer Canada

Partenaires : FMCC, SAC, INSMT, IV, programme Rx&D des IRSC, Pfizer

Total Initiative Funding: \$1,262,100

HSFC Total Initiative Funding: \$420,300

Description: The objective of this strategic initiative is to support research that explores the interrelationships between vascular health, vascular dementia and Alzheimer disease.

Financement total de l'initiative : 1 262 100 \$

Financement total de l'initiative par la FMCC : 420 300 \$

Description : L'objectif de cette initiative stratégique consiste à soutenir la recherche qui porte sur les interrelations entre la santé vasculaire, la démence vasculaire et la maladie d'Alzheimer.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la subvention	Financement total de la subvention (tous les partenaires)	Thème
Boulay, Guylain	Université de Sherbrooke	Intracellular calcium signaling and vascular dementia.	Quebec : Guillemette, Gaetan	\$23,350	\$93,600	\$281,400	I
Carlen, Peter	Toronto Western Research Institute	Alzheimer's disease, aging and the ischemic synapse.	None	\$29,025	\$115,500	\$346,700	I
Corbett, Dale R.	Memorial University of Newfoundland	Exercise, aging and cognitive impairment.	Manitoba : Peeling, James; Newfoundland : Harley, Carolyn; Moody-Corbett, Frances L.	\$29,925	\$119,900	\$360,000	I
Zhang, Wandong	National Research Council of Canada	Neurovascular Unit in Alzheimer's disease and cerebral amyloid angiopathy.	Ontario : Yan Liu, Qing; Stanimirovic, Danica B.; Woulfe, John	\$23,325	\$91,300	\$274,000	I

Childhood Obesity Operating Grants 2005

Bourses de fonctionnement en obésité chez les enfants 2005

Partners: HSFC, INMD, IHDCYH

Total Initiative Funding: \$2,540,393

HSFC Total Initiative Funding: \$601,420

Description: The scope of research covered by this request for applications encompasses healthy body weight and obesity in childhood. This includes development, prevention, intervention, and outcomes associated with healthy body weight and obesity in children; spanning pre-conception and gestation through to maturity; across all four of CIHR's research themes. A total of 52 applications were submitted to the Childhood Obesity program launched in June 2004. Thirteen applications were approved for funding, seven of which were operating grants. Of these seven, HSFC supported four.

Partenaires : FMCC, INMD, IDSEA

Financement total de l'initiative : 2 540 393 \$

Financement total de l'initiative par la FMCC : 601 420 \$

Description : La portée des recherches couvertes par cet appel de demandes couvre le poids santé et l'obésité chez les enfants. On y retrouve le développement, la prévention, l'intervention et les résultats associés au poids santé et à l'obésité chez les enfants de la préconception et de la gestation à la maturité, sur les quatre thèmes de la recherche au sein des IRSC. En tout, 52 demandes ont été soumises au programme d'obésité chez les enfants depuis son lancement en juin 2004. Treize demandes ont été approuvées pour recevoir du financement, dont sept sous forme de fonds de fonctionnement. Parmi ces sept demandes, quatre étaient financées par la FMCC.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la subvention	Financement total de la subvention (tous les partenaires)	Thème
He, Meizi	University of Western Ontario	Childhood overweight and obesity management: physicians' views, practices, perceived barriers and needs.	Ontario : Clarson, Cheril L.; Harris, Stewart B; Piche, Leonard	\$59,800	\$86,608	\$173,218	III
Morrison, Katherine M.	McMaster University	Cardiovascular risk factors, glucose metabolism and intramyocellular lipid in children with obesity at baseline and after a pediatric obesity treatment program.	Ontario : Atkinson, Stephanie A.; Bar-Or, Oded; Tarnopolshy, Mark; Yusuf, Salim	\$99,670	\$289,965	\$579,931	II

Themes I: Basic Biomedical
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IV: Population Health
IV : Santé de la population

Childhood Obesity Operating Grants 2005

Bourses de fonctionnement en obésité chez les enfants 2005

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Naylor, Patti-Jean	University of British Columbia	Evaluating the effectiveness of the dissemination of Action Schools! BC: a socio-ecological intervention to increase physical activity and healthy eating in school children.	British Columbia : McKay, Heather A; Rhodes, Ryan E; Wharf Higgins, Joan; Ontario : Manske, Stephen R.	\$66,000	\$200,000	\$600,000	IV
Stewart, Jennifer M.	Carleton University	Maternal employment and childhood obesity.	Federal : Chowhan, James	\$13,977	\$24,847	\$49,695	IV

Genomic Medicine and Human Development 2005

Médecine génomique et développement humain 2005

Partners: HSFC, ICRH, IG, IHDCYH

HSFC Total Initiative Funding: \$600,000

Description: The purpose of this Request for Applications (RFA) is to provide operating grants in support of projects that bridge clinical investigation and more basic scientific research to address an important problem in human development. HSFC co-funded one project listed below.

Partenaires : FMCC, ISCR, IG, IDSEA

Financement total de l'initiative par la FMCC : 600 000 \$

Description : L'objectif de cet appel de candidatures consiste à offrir des fonds de fonctionnement aux projets qui relient la recherche clinique et la recherche scientifique fondamentale sur le développement humain. La FMCC co-finance un des projets énumérés plus bas.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Andelfinger, Gregor U.; Nemer, Mona; Richter, Andrea M.; Rozen, Rima**	Hôpital Sainte-Justine	Genetic determinants of congenital heart disease.	Quebec : Bigras, Jean-Luc; Dube, Marie-Pierre; Khairy, Paul	\$0	\$600,000	\$2,382,246	I,II,IV

** HSFC has allocated funding in future funding years.

** La FMCC a prévu des sommes pour le financement, pour les années à venir.

Vascular Health and Dementia Operating Grants 2005

Subventions à la santé et à la démence vasculaires 2005

Partners: HSFC, ASC, INMHA, IA, CIHR Rx&D Program, Pfizer Canada

Partenaires : FMCC, SAC, INSMT, IV, programme Rx&D des IRSC, Pfizer

Total Initiative Funding: \$1,297,343
 HSFC Total Initiative Funding: \$432,448

Financement total de l'initiative : 1 297 343 \$
 Financement total de l'initiative par la FMCC : 432 448 \$

Description: The objective of this strategic initiative is to support research that explores the interrelationships between vascular health, vascular dementia and Alzheimer disease.

Description : L'objectif de cette initiative stratégique consiste à soutenir la recherche qui porte sur les interrelations entre la santé vasculaire, la démence vasculaire et la maladie d'Alzheimer.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Belleville, Sylvie	Institut Universitaire de Gériatrie de Montréal	Impact of vascular dementia, vascular MCI and vascular health on cognition.	Quebec : Gauthier, Serge G; Massoud, Fadi	\$39,852	\$114,131	\$342,393	II
Black, Sandra	Sunnybrook & Women's College HSC	In vivo characterization of subcortical vascular cognitive impairment using advanced high field MR techniques.	Ontario : Graham, Simon J; Lobaugh, Nancy J; Moody, Alan; Sahlas, Demetrios J; Stanisz, Greg J; Stuss, Donald T	\$39,938	\$119,953	\$359,860	I, II
Darvesh, Sultan	Dalhousie University	The cholinergic system and vascular risk factors in Alzheimer's disease and vascular dementia.	Nova Scotia : Hopkins, Daivd A; Rockwood, Kenneth J	\$32,584	\$100,734	\$302,203	I
Yu, Peter H.	University of Saskatchewan	Is increased SSAO-mediated oxidative deamination a risk factor for vascular dementia and Alzheimer's disease? A biosocial investigation.	Saskatchewan : D'Arcy, K. Carl R.; Pahwa, Punam	\$32,543	\$97,629	\$292,887	I, IV

Themes I: Basic Biomedical
 Thèmes I : Biomédicale fondamentale

II: Clinical
 II : Clinique

III: Health Services/Systems
 III : Services et systèmes de santé

IV: Population Health
 IV : Santé de la population

Health Research Partnership Fund 2001

Fonds de partenariat pour la recherche en santé 2001

Partners: CIHR, HSFC

HSFC Total Initiative Funding: \$884,105

Description: The Health Research Partnership Fund supports the training of aspiring young researchers. This program has enabled young scientists to train with leading researchers in Canada.

Partenaires: IRSC, FMCC

Financement total de l'initiative par la FMCC : 884 105 \$

Description : Le Fonds de partenariat pour la recherche en santé soutient la formation des aspirants nouveaux chercheurs. Ce programme a permis à de jeunes chercheurs de recevoir une formation auprès des meilleurs chercheurs canadiens.

New Investigators

Bourses de nouveau chercheurs

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Blostein, Mark D.	McGill University	Novel role of gamma-carboxyglutamic acid in vascular biology.	N/A	\$28,500	\$142,500	\$285,000	I

Research Fellowships

Bourses de perfectionnement en recherche

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Aarts, Michelle M.	Toronto Western Hospital	Modulation of excitotoxicity by protein-protein interactions at the post-synaptic density.	Tymianski, Michael	\$16,667	\$74,500	\$149,000	I
Lee, Paul C.*	Toronto General Hospital	Microvascular dysfunction as etiology and target for therapy in heart failure.	Liu, Peter	\$0	\$0	\$201,500	I

Focus On Stroke 1 2002

Partners: HSFC, CSN, ICRH, CIHR/Rx&D, AstraZeneca

Total Initiative Funding: \$1,723,013

HSFC Total Initiative Funding: \$324,855

Description: This initiative, led by HSFC, supports doctoral research awards, research fellowships and new investigator awards in the area of stroke. These funds help build on recent advances in stroke medicine.

Opération AVC 1 2002

Partenaires : FMCC, RCACV, ISCR, programme Rx&D des IRSC, AstraZeneca

Financement total de l'initiative : 1 723 013 \$

Financement total de l'initiative par la FMCC : 324 855 \$

Description : Cette initiative menée par la FMCC soutient des bourses de recherche au doctorat, des bourses de recherche postdoctorale et des bourses aux jeunes chercheurs dans le domaine des AVC. Ces fonds aident à progresser à partir des récentes découvertes dans le domaine de la médecine vasculaire cérébrale.

New Investigators

Bourses de nouveau chercheurs

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Whelan, Patrick	University of Calgary	Sensory control of locomotion in the developing mouse.	N/A	\$11,400	\$57,000	\$285,000	I
Wilson, Richard	University of Calgary	Chemoreceptor interactions and neural plasticity in the control of breathing.	N/A	\$11,400	\$57,000	\$285,000	I

* HSFC is recognized as a funding partner on this project as per its participation in the specific funding initiative.

* La FMCC est reconnue comme partenaire financier de ce projet en raison de sa participation à cette initiative de financement spécifique.

Research Fellowships

Bourses de perfectionnement en recherche

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding Financement 2005-2006 de la FMCC	HSFC Total Contribution to Grant Contribution totale de la FMCC à la subvention	Total Grant Funding (All Partners) Financement total de la subvention (tous les partenaires)	Theme
Demandeur principal	Établissement	Projet	Directeur				Thème
Champagne, Maud	Institut Universitaire de Gériatrie de Montréal	Etats mentaux et troubles de la communication chez les cérébrolésés droits.	Joanette, Yves	\$583	\$24,300	\$129,083	I
Ousstinova, Ksenia	Université de Montréal	The control of posture and bilateral limb movements in stroke patients.	Levin, Mindy	\$1,750	\$24,300	\$129,750	I

Strategic Training Program Grants 2002

Subventions du programme de formation stratégique 2002

Partners: HSFC, ICRH, AHFMR, IGH, CCMB, ICR, IG, IHSPR, III, INMD, INMHA, IPPH, CIHR-KT, MSFHR

Total Initiative Funding: \$9,394,360

HSFC Total Initiative Funding: \$850,000

Description: The purpose of the Strategic Training Program is to build capacity within Canada's health research community through the training and development of researchers, and to foster the development and ongoing support of the research careers of women and men in health research. The HSFC and the ICRH supported six successful applications submitted to the May 2002 competition.

Partenaires : FMCC, ISCR, AHFMR, ISFH, CCMB, IC, IG, ISPS, IMII, INMD, INSMT, ISPP, IRSC-AC, MSFHR

Financement total de l'initiative : 9 394 360 \$

Financement total de l'initiative par la FMCC : 850 000 \$

Description : L'objectif du programme de formation stratégique est de développer la capacité de la communauté canadienne de recherche en santé par la formation et le développement des chercheurs et de favoriser le développement et le soutien continu à la carrière des chercheurs en santé. La FMCC et l'ISCR ont appuyé six projets choisis parmi les soumissions du concours de mai 2002.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding Financement 2005-2006 de la FMCC	HSFC Total Contribution to Grant Contribution totale de la FMCC à la subvention	Total Grant Funding (All Partners) Financement total de la subvention (tous les partenaires)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)				Thème
Armstrong, Paul	University of Alberta	Tomorrow's Research Cardiovascular Health Professionals (TORCH).	Alberta: Allen, Peter S.; Anderson, Todd J.; Archer, Stephen L.; Duff, Henry J.; Ghali, William; Giles, Wayne R.; Haykowsky, Mark J.; Jensen, Louise A.; Knudtson, Merrill L.; Lopaschuk, Gary D.; Loutzenhiser, Rodger D.; McAlister, Finlay A.; Michelakis, Evangelos; Plotnikoff, Ronald C.; Raine, Kim; Rebeyka, Ivan M.; Schulz, Richard; Sheldon, Robert S.; Shuaib, Ashfaq; ter Keurs, Henk E.D.J.; Tsuyuki, Ross T.; Ontario: Hayward, Robert S.A.; Menon, Ravi S.	\$50,000	\$300,000	\$1,559,640	I, II, III, IV

Themes I: Basic Biomedical
Thèmes I : Biomédicale fondamentale

II: Clinical
II : Clinique

III: Health Services/Systems
III : Services et systèmes de santé

IV: Population Health
IV : Santé de la population

Strategic Training Program Grants 2002

Subventions du programme de formation stratégique 2002

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding Financement 2005-2006 de la FMCC	HSFC Total Contribution to Grant Contribution totale de la FMCC à la subvention	Total Grant Funding (All Partners) Financement total de la subvention (tous les partenaires)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)				Thème
Cameron, Roy*	University of Waterloo	Tobacco Research.	British Columbia: Best, Allan; Johnson, Joy; Lovato, Chris; Ratner, Pamela A.; Ontario: Ashley, Mary Jane; Brown, K. Stephen; Campbell, Sharon; Cohen, Joanna; Cook, Richard; Ferrence, Roberta; Fong, Geoffrey; Manske, Stephen R.; McDonald, Paul W.; Poland, Blake; Selby, Peter; Single, Eric; Skinner, Harvey; Sparks, Robert; Thompson, Mary E.; Tyndale, Rachel; Zanna, Mark P.	\$0	\$0	\$1,499,870	IV
Chung, Stephen*	University of British Columbia	Health research training program in transplantation.	British Columbia: Duronio, Vincent; Johnson, Pauline; Landolt, Monica; Levy, Robert Daniel; McMaster, Robert; Qayumi, A. Karim; The, Hung-Sia; Warnock, Garth; Yoshida, Eric M.	\$0	\$0	\$1,500,000	II
Fenster, Aaron	Robarts Research Institute	Vascular and cerebrovascular transdisciplinary training program (vcTPP).	Ontario: Donner, Allan; Ellis, Christopher G.; Ferguson, Stephen S. G.; Hegele, Robert A.; Huff, Murray W.; Kamel, Mohamed; Pickering, J. Geoffrey; Rutt, Brian K.; Salama, Magdy	\$50,000	\$250,000	\$1,325,000	I
Liu, Peter	University of Toronto	Cardiovascular research: molecules to populations, heart failure to prevention.	Manitoba: Dixon, Ian M.; Kirshenbaum, Lorrie A.; Naranjan, S. Dhalla; Ontario: Alter, David; Arnold, J. Malcolm O.; Backx, Peter H.; Benoit, Bruneau; Bradley, T. Douglas; Floras, John S.; Langille, B. Lowell; Nolan, Robert P.; Parker, Thomas; Ross, Heather J.; Rouleau, Jean-Lucien; Sole, Michael J.; Stewart, A. Keith; Stewart, Duncan J.; Tsui, Lap-Chee; Tu, Jack V.; Van Eyk, Jennifer E.; Weisel, Richard D.; Wittnich, Carin; Yeh, Wen-Chen; Yusuf, Salim; Quebec: Hamet, Pavel	\$50,000	\$300,000	\$1,710,000	I, II, III, IV

* HSFC is recognized as a funding partner on this project as per its participation in the specific funding initiative.

* La FMCC est reconnue comme partenaire financier de ce projet en raison de sa participation à cette initiative de financement spécifique.

Total Initiative Funding: \$1,276,016

Financement total de l'initiative : 1 276 016 \$

HSFC Total Initiative Funding: \$337,241

Financement total de l'initiative par la FMCC : 337 241 \$

New Investigators**Bourses de nouveau chercheurs**

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Liu, Fang	Centre for Addiction and Mental Health	Protein-protein interactions in the regulation of AMPA receptor mediated neurotoxicity.	N/A	\$18,833	\$93,167	\$281,000	I

Research Fellowships**Bourses de perfectionnement en recherche**

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Ainslie, Philip N.*	University of Calgary	Ventilatory and cerebrovascular control in healthy humans with obstructive sleep apnea.	Poulin, Marc J.	\$0	\$0	\$93,667	II
Gould, Douglas B.	Howard Hughes Medical Institute, MD	Identification and characterization of a model for perinatal and age-related stroke.	John, Simon M. W.	\$13,833	\$41,500	\$132,000	II
Pang, Li	University of British Columbia	Prophylactic gene therapy for stroke.	Cynader, Max S.	\$13,833	\$41,500	\$132,000	II
Weerapura, Manjula*	University of Toronto	Regulation of NMDA channels by protein kinase A-dependent signaling pathways.	MacDonald, John F.	\$0	\$0	\$132,000	I
Zaid, Ahmed Elagili	IRCM	NARC-1 and familial hypercholesterolemia type 3.	Seidah, Nabil G.	\$13,833	\$41,500	\$132,000	I

Doctoral Research Awards**Bourses de recherche au doctorat**

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Murdoch, Barbara	University of British Columbia	Molecular identification and characterization of neural stem cells.	Roskams, Jane Angela	\$6,833	\$20,500	\$64,750	I
Swayze, Richard	University of British Columbia	Uncoupling of the PKA/AKAP/GluR complex in hypoxia-ischemia.	El Husseini, Alaa	\$6,833	\$20,500	\$64,750	I

* HSFC is recognized as a funding partner on this project as per its participation in the specific funding initiative.

* La FMCC est reconnue comme partenaire financier de ce projet en raison de sa participation à cette initiative de financement spécifique.

Strategic Training Program Grants 2003

Subventions du programme de formation stratégique 2003

Partners: HSFC, ICRH

Total Initiative Funding: \$12,471,000

HSFC Total Initiative Funding: \$1,248,858

Description: The aim of the Training Program Grant Initiative is to encourage transdisciplinary, integrative health research, in part through the training of the next generation of researchers, and to increase the capacity of Canada's health research enterprise to address important research questions in all areas of health research. Seven applications were funded under the initiative, of which HSFC co-funded 6.

Partenaires : FMCC, ISCR

Financement total de l'initiative : 12 471 000 \$

Financement total de l'initiative par la FMCC : 1 248 858 \$

Description : L'objectif de l'initiative de subventions du programme de formation consiste à encourager la recherche en santé transdisciplinaire intégrative, en partie par la formation de la prochaine génération de chercheurs, et d'augmenter la capacité de l'entreprise de recherche en santé canadienne à répondre aux questions importantes touchant tous les domaines de la recherche en santé. Sept demandes ont reçu du financement en vertu de cette initiative, parmi elles, six ont été co-financées par la FMCC.

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Codemandeur(s)	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Arthur, Heather M.	McMaster University	Training program for the development of cardiovascular nursing research capacity in Canada.	Alberta: King, Kathryn M.; Tapp, Dianne M.; British Columbia: Young, Lynne E.; Nova Scotia: McFetridge, Judith Ann; Ontario: Rukholm, Ellen; Tranmer, Joan E.; Watt-Watson, Judith H.; Quebec: Purden, Margaret Ann; Robichaud-Ekstrand, Sylvie	\$36,979	\$203,143	\$1,800,000	II, III, IV
Fliegel, Larry	University of Alberta	Membrane proteins and cardiovascular disease.	Alberta: Casey, Joseph R.; Coe, James Y.; Glover, J.N. Mark; James, Michael N.G.; Kavanagh, Katherine M.; Light, Peter E.; Michalak, Marek; Robertson, Murray; Young, Howard S.	\$36,979	\$213,143	\$1,671,000	I
MacGillivray, Ross T.	University of British Columbia	Training program in transfusion science.	British Columbia: Brooks, Donald E.; Burtnick, Leslie D.; Carter, Cedric J.; Devine, Dana V.; Haynes, Charles A.; Karsan, Aly; Lehman, Darrin L.; Mauk, Grant; Maurer-Spurej, Elizabeth; McMaster, Robert; McNagny, Kelly M.; Orvig, Chris; Overall, Christopher; Podor, Thomas J.; Prydzial, Edward L.G.; Roberts, Clive R.; Scott, Mark; Strynadka, Natalie C. J.	\$36,979	\$193,143	\$1,800,000	II

Themes I: Basic Biomedical
Thèmes I : Biomédicale fondamentale

II: Clinical
II : Clinique

III: Health Services/Systems
III : Services et systèmes de santé

IV: Population Health
IV : Santé de la population

Strategic Training Program Grants 2003

Subventions du programme de formation stratégique 2003

Principal Applicant	Institute	Project	Co-Applicant(s)	HSFC 2005/2006 Funding Financement 2005-2006 de la FMCC	HSFC Total Contribution to Grant Contribution totale de la FMCC à la subvention	Total Grant Funding (All Partners) Financement total de la subvention (tous les partenaires)	Theme Thème
Paré, Peter D.	University of British Columbia	IMPACT: integrated and mentored pulmonary and cardiovascular training.	British Columbia: Allard, Michael F.; Ayas, Najib; Bai, Tony; Cunningham, Kenneth F.; Dorscheid, Delbert R.; Fleetham, John A.; Frohlich, Jiri J.; Fitzgerald, J. Mark; Granville, David J.; Hayashi, Shizu; Hegele, Richard; Hill, John S.; Hogg, James C.; Levy, Robert Daniel; Mayo, John; McManus, Bruce M.; Muller, Nestor; O, Karmin; Podor, Thomas J.; Pritchard, Haydn; Road, Jeremy D.; Russell, James A.; Ryan, Frank; Sandford, Andrew J.; Schellenberg, Robert; Seow, Chun Y.; Van Breemen, Casey; van Eeden, Stephan F.; Walley, Keith R.; Wang, Xiaodong; Yang, Decheng; Manitoba: Anderson, Hope D. Intengan; Becker, Allan; Choy, Patrick C.; Dhalla, Naranjan S.; Dixon, Ian M.; Ducas, John; Gounni, Abdelilah Soussi; Guzman, Randolph P.; Halayko, Andrew; Hatch, Grant M.; Kardami, Elissavet; Lukas, Anton; Mink, Steven N.; Netticadan, Thomas; Pierce, Grant N.; Singal, Pawan K.; Stephens, Newman L.; Tappia, Paramjit S.; Wigle, Jeffrey T.; Yang, Xi; Zahradka, Peter	\$36,979	\$213,143	\$1,800,000	I, II
Vance, Dennis E.	University of Alberta	The SCOLAR (stroke, cardiovascular, obesity, lipid, atherosclerosis research) training program.	Alberta: Agellon, Luis B.; Francis, Gordon A.; Lee, Mark W.; Lehner, Richard; Majumdar, Sumit; Vance, Jean	\$36,979	\$213,143	\$1,800,000	I, II
Wang, Rui	University of Saskatchewan	Gasotransmitter research and training (GREAT).	Alberta: Roth, Sheldon; Ontario: Brien, James F.; Nakatsu, Kanji; Quebec: Blaise, Gilbert A.; Troncy, Eric T. E.; Saskatchewan: Gopalakrishnan, Venkat; Hurst, Thomas S.; Loewen, Michele; McNeill, J Robert; Melo, Luis Gabriel; Reeder, Bruce; Saucier, Deborah; Thornhill, James A.; Van uum, Stan H. M.; Wilson, Thomas W.; Wu, Lingyun; Zhang, Wenjun	\$36,979	\$213,143	\$1,800,000	I

Themes I: Basic Biomedical
Thèmes I: Biomédicale fondamentale

II: Clinical
II: Clinique

III: Health Services/Systems
III: Services et systèmes de santé

IV: Population Health
IV: Santé de la population

Partners: HSFC, AstraZeneca, CSN, CIHR/Rx&D

Partenaires : AstraZeneca, RCACV, programme Rx&D des IRSC, FMCC

Total Initiative Funding: \$1,500,000

Financement total de l'initiative : 1 500 000 \$

HSFC Total Initiative Funding: \$361,625

Financement total de l'initiative par la FMCC : 361 625 \$

New Investigators**Bourses de nouveau chercheurs**

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Kong, Jiming	University of Manitoba	BNIP3-activated atypical apoptosis pathway in ischemic neuronal cell death.	N/A	\$14,250	\$71,250	\$285,000	I
Todd, Kathryn G.	University of Alberta	Investigations of novel strategies to improve cellular and behavioral outcomes after adult and perinatal cerebral ischemia.	N/A	\$14,250	\$71,250	\$285,000	I

Research Fellowships**Bourses de perfectionnement en recherche**

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Cayabyab, Francisco S.	University of British Columbia	Gap junctional hemichannels in astrocytes: regulation in normal and injured CNS.	MacVicar, Brian A.	\$10,375	\$20,750	\$90,000	I
Claydon, Thomas W.	University of British Columbia	Molecular mechanism underlying the ischemia and pH-sensitivity of the neuronal and smooth muscle voltage-gated K ⁺ channels, Kv1.4 and Kv1.5.	Fedida, David	\$10,375	\$20,750	\$90,000	I
Naska, Sibel	Hospital for Sick Children	Role of the p53 family in excitotoxicity-induced neuronal apoptosis.	Miller, Freda D.	\$10,375	\$31,125	\$135,000	I
Saposnik, Gustavo	London Health Sciences Centre	Preserving cognition by improving vascular risk factors control: a randomized controlled trial.	Hachinski, Vladimir	\$12,750	\$38,250	\$165,000	II

Doctoral Research Awards**Bourses de recherche au doctorat**

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Choi, Hyun Beom	University of British Columbia	The role(s) of P2X7 receptor in cerebral ischemia.	McLarnon, James G.	\$5,125	\$11,083	\$47,500	I
Ford, Matthew	Robarts Research Institute	Computational fluid dynamics modeling of endovascular aneurysm therapy.	Steinman, David A.	\$5,125	\$15,375	\$66,000	I

Themes I: Basic Biomedical

II: Clinical

III: Health Services/Systems

IV: Population Health

Thèmes I : Biomédicale fondamentale

II : Clinique

III : Services et systèmes de santé

IV : Santé de la population

Doctoral Research Awards

Bourses de recherche au doctorat

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Gharbawie, Omar A.	University of Lethbridge	Neural and behavioural correlates of subcortical middle cerebral artery ischemia.	Whishaw, Ian	\$5,125	\$12,750	\$54,500	I
MacIntosh, Bradley	Sunnybrook and Women's College Health Sciences Centre	Combining functional imaging and electromyography to assess lower limb deficits in stroke recovery.	Graham, Simon J.	\$5,125	\$12,042	\$51,625	II
Ploughman, Michelle	Memorial University of Newfoundland	The effects of exercise on neuroplasticity, neurotrophins and functional outcome in a rat model of ischemic stroke.	Corbett, Dale R.	\$2,625	\$7,750	\$33,500	I
Veljkovic, Dragoslava	McMaster University	Expression and biological functions of fibrinolytic proteins in cultured human megakaryocytes.	Hayward, Catherine P. M.	\$5,125	\$10,250	\$44,000	I

Target Obesity Personnel Awards 2004

Bourses Objectif Obésité 2004

Partners: CDA, ICR, IGH, IHDCYH, IMHA, INMD, HSFC

Total Initiative Funding: \$1,420,000

HSFC Total Initiative Funding: \$297,649

Description: The aim of this initiative is to encourage more students, recent graduates and postgraduates, including health professionals, such as physicians, nurses, dietitians, exercise physiologists, and behavioral scientists, to train in the area of obesity research and to support newly established investigators to conduct research in the field of obesity with particular emphasis on the risks for chronic diseases and strategies to reduce these risks. HSFC is the lead organization in this initiative.

Partenaires : ACD, IC, ISFH, IDSEA, IALA, INMD, FMCC

Financement total de l'initiative : 1 420 000 \$

Financement total de l'initiative par la FMCC : 297 649 \$

Description : L'objectif de cette initiative consiste à encourager davantage d'étudiants, de diplômés de premier cycle et d'études supérieures, comme des professionnels de la santé, des médecins, des infirmières, des diététistes, des physiologistes de l'exercice et des chercheurs du comportement à recevoir une formation dans le domaine de la recherche sur l'obésité et de soutenir des chercheurs nouvellement établis à mener des recherches dans le domaine de l'obésité, avec une emphase particulière sur les risques de maladies chroniques et les stratégies destinées à réduire ces risques. La FMCC est l'organisme duquel cette initiative relève principalement.

New Investigators

Bourses de nouveau chercheurs

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Netticadan, Thomas	St. Boniface G.H. Research Centre	Mechanisms underlying cardiac contractile dysfunction in type II diabetes.	N/A	\$48,708	\$256,124	\$275,000	I

Research Fellowships

Bourses de perfectionnement en recherche

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Fry, W. Mark*	Queen's University	Electrophysiological characterisation of orexinergic neurons in the lateral hypothalamus.	Ferguson, Alastair	\$0	\$0	\$135,000	I
Kestens, Yan	Université de Montréal	Links between environment and population health: Contributions of GIS and spatial analysis.	Daniel, Mark	\$10,775	\$10,775	\$90,000	IV

* HSFC is recognized as a funding partner on this project as per its participation in the specific funding initiative.

* La FMCC est reconnue comme partenaire financier de ce projet en raison de sa participation à cette initiative de financement spécifique.

Research Fellowships

Bourses de perfectionnement en recherche

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
McGavock, Jonathan*	University of Texas Southwestern Medical Center	The impact of myocardial lipid accumulation on cardiac function in obese insulin resistant humans.	Victor, Ronald	\$0	\$0	\$100,000	II
Steinberg, Gregory R.*	St. Vincent's Institute of Medical Research	Intracellular mechanisms contributing to skeletal muscle leptin resistance in obesity.	Kemp, Bruce E.	\$0	\$0	\$150,000	I
Tannenbaum, Beth M.*	Montreal Neurological Institute	Alterations of brain circuitry in obesity: The role of reward and motivational state.	Dagher, Alain	\$0	\$0	\$135,000	II
Yoshioka, Mayumi*	Centre hospitalier de l'Université Laval	Identification and cloning of appetite and satiety controlling genes.	St-Amand, Jonny	\$0	\$0	\$150,000	I

Doctoral Research Awards

Bourses de recherche au doctorat

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Anderson, Kristal D.*	University of Saskatchewan	Target Obesity: Identifying childhood predictors of adulthood obesity.	Chad, Karen E.	\$0	\$0	\$66,000	I
Blackburn, Patricia*	Hôpital Laval	Taille des particules LDL et HDL: différences sexuelle et raciales et impact de l'entraînement en endurance.	Després, Jean-Pierre	\$0	\$0	\$44,000	II
Esmail, Muneer*	Simon Fraser University	Structural and functional characterization of a novel molecular chaperone associated with Bardet-Biedl syndrome.	Leroux, Michel R.	\$0	\$0	\$33,000	I
Jia, Xuming *	University of Saskatchewan	Methylglyoxal induced insulin resistance.	Wu, Lingyun	\$0	\$0	\$66,000	I
Major, Geneviève G. M.	Université de Laval	Le syndrome d'apnées obstructives du sommeil et les variations de la dépense énergétique.	Tremblay, Angelo	\$10,250	\$30,750	\$66,000	II
Purdham, Daniel*	University of Western Ontario	The role of the cardiac leptin system in myocardial ischemia and reperfusion.	Karmazyn, Morris	\$0	\$0	\$66,000	I
Tomlinson, Juliana J.*	Ottawa Health Research Institute	The identification of transcriptional intermediary factor 1 beta in the regulation of steroid induced adipocyte differentiation.	Haché, Robert J. G.	\$0	\$0	\$44,000	I

* HSFC is recognized as a funding partner on this project as per its participation in the specific funding initiative.

* La FMCC est reconnue comme partenaire financier de ce projet en raison de sa participation à cette initiative de financement spécifique.

Focus on Stroke 4 2005

Opération AVC 4 2005

Partners: HSFC, AstraZeneca, CSN, CIHR/Rx&D

Partenaires : FMCC, AstraZeneca, RCACV, programme Rx&D des IRS

Total Initiative Funding: \$1,164,000

Financement total de l'initiative : 1 164 000 \$

HSFC Total Initiative Funding: \$314,891

Financement total de l'initiative par la FMCC : 314 891 \$

Research Fellowships

Bourses de perfectionnement en recherche

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Arzt, Michael	Toronto General Hospital	Specific diagnosis and treatment of sleep apnea in stroke patients.	Bradley, T. Douglas	\$14,535	\$14,535	\$55,000	II,IV
Casabon, Leanne K.	Toronto Western Hospital	Improving secondary stroke prevention using a nurse case-manager care model.	Silver, Frank L.	\$14,535	\$14,535	\$55,000	II,IV
Cheung, Paul, Kim-ming	St. Boniface G.H. Research Centre	Establishing the causative roles and mechanisms of atherosclerosis induction by Chlamydia pneumonia.	Pierce, Grant N.	\$11,872	\$23,784	\$90,000	I
Kauffmanstein, Gilles G.K.	Université de Laval	Rôle de la NTPDase et des nucléotides dans le contrôle cardiaque et périphérique de la pression artérielle.	Sevigny, Jean	\$4,156	\$25,514	\$90,000	I,II,IV
Ramlawi, Basel	Beth Israel Deaconess Medical Center	Microarray gene expression profiles after cardiac surgery and their correlation to neurocognitive decline and other clinical outcomes.	Sellke, Frank	\$11,231	\$14,535	\$55,000	I,II
Sun, Hong-Shuo	Toronto Western Research Institute	Stroke treatment using virally mediated gene silencing of TRP channels.	Tymianski, Michael	\$11,892	\$23,784	\$90,000	I
Winship, Ian R.	University of British Columbia	Structural plasticity and electrophysiology in cortical neurons imaged during recovery from stroke.	Murphy, Timothy H.	\$9,249	\$23,784	\$90,000	I

Doctoral Research Awards

Bourses de recherche au doctorat

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding	HSFC Total Contribution to Grant	Total Grant Funding (All Partners)	Theme
Demandeur principal	Établissement	Projet	Directeur	Financement 2005-2006 de la FMCC	Contribution totale de la FMCC à la subvention	Financement total de la subvention (tous les partenaires)	Thème
Aleyasin, Hossein	University of Ottawa	The role of DJ-1, in stroke model of neuronal death.	Park, David S.	\$3,039	\$17,441	\$66,000	I,II
Brown, Stephen Thomas	McMaster University	The differential induction and function of the HIF family of transcription factors in response to hypoxia.	Nurse, Colin A.	\$5,814	\$17,442	\$66,000	I
Buttigiege, Josef A.	McMaster University	Mechanism of oxygen sensing in adrenalmedullary chromaffin cells.	Nurse, Colin A.	\$5,814	\$17,442	\$66,000	I
Clark, Darren L.	University of Alberta	Clinical feasibility of mild prolonged hypothermia - a physiology study.	Colbourne, Frederick	\$5,814	\$17,442	\$66,000	I,II,III,IV
Hundza, Sandra	University of Victoria	Effect of arm cycling training on the neural control and function of arm and leg muscles after stroke.	Zehr, E. Paul	\$5,814	\$17,442	\$66,000	I,II
Langdon, Kris D.	Memorial University of Newfoundland	Effect of cognitive and physical activity on the progression of vascular dementia.	Corbett, Dale R.	\$3,039	\$17,442	\$66,000	I

Themes I: Basic Biomedical
Thèmes I: Biomédicale fondamentale

II: Clinical
II: Clinique

III: Health Services/Systems
III: Services et systèmes de santé

IV: Population Health
IV: Santé de la population

Doctoral Research Awards

Bourses de recherche au doctorat

Principal Applicant	Institute	Project	Supervisor	HSFC 2005/2006 Funding Financement 2005-2006 de la FMCC	HSFC Total Contribution to Grant Contribution totale de la FMCC à la subvention	Total Grant Funding (All Partners) Financement total de la subvention (tous les partenaires)	Theme
Demandeur principal	Établissement	Projet	Directeur				Thème
Laslo, Amanda	Robarts Research Institute	Effect of erythropoietin on cerebral blood flow and vasospasm after subarachnoid hemorrhage.	Lee, Ting-Yim	\$9,199	\$17,442	\$66,000	I
Maxwell, Kimberley A.	University of Calgary	Factors mediating neuronal replacement following brain injury.	Dyck, Richard H.	\$5,814	\$11,628	\$44,000	I,II
Murphy, Blake	Robarts Research Institute	Cerebral blood flow and blood volume thresholds for infarction in ischemic stroke.	Lee, Ting-Yim	\$5,814	\$11,628	\$44,000	I,II
Rashidian, Juliet	University of Ottawa	The role of cyclin dependent kinases in ischemia/excitotoxic neuronal death.	Park, David S	\$5,814	\$17,442	\$66,000	I,II
Theurer, Julie A.	University of Western Ontario	Oropharyngeal stimulation as a treatment for swallowing impairment following stroke.	Martin, Ruth E.	\$5,814	\$11,628	\$44,000	I,II
Windle, Victoria	Memorial University of Newfoundland	Role of norepinephrine in recovery of function after focal ischemia in rats.	Corbett, Dale R.	\$4,889	\$5,814	\$22,000	I

Partner Abbreviation/ Abréviation du partenaire	Partner/ Partenaire*
ACB	Alberta Cancer Board
AHFMR	Alberta Heritage Foundation for Medical Research
AstraZeneca	AstraZeneca Canada Inc.
ASC/SAC	Alzheimer Society of Canada / Société Alzheimer du Canada
BCCA	British Columbia Cancer Agency
CBS / SCS	Canadian Blood Services / Société canadienne du sang
CCMB	Cancer Care Manitoba
CCOHTA / OCCETS	Canadian Coordinating Office for Health Technology Assessment / Office canadien de coordination de l'évaluation des technologies de la santé
CCS / SCC	Canadian Cardiovascular Society / Société canadienne de cardiologie
CDA / ACD	Canadian Diabetes Association / Association canadienne du diabète
CIHR / IRSC	Canadian Institutes of Health Research / Instituts de recherche en santé du Canada
CIHR-KT / IRSC-AC	Canadian Institutes of Health Research - Knowledge Translation Branch / l'application des connaissances des IRSC
CIHR/Rx&D / programme Rx&D des IRCS	CIHR/Rx&D Collaborative Research Program / IRSC et Rx&D - Programme de bourses de recherche
CLA / APC	Canadian Lung Association / l'Association pulmonaire du Canada
CSN / RCACV	Canadian Stroke Network / Réseau Canadien contre les accidents cérébrovasculaires
CTCRI / ICRCT	Canadian Tobacco Control Research Initiative / Initiative canadienne de recherche pour la lutte contre le tabagisme
FPT Task force on Genetics and Health / Groupe de travail FPT sur la génétique et la santé	Federal, Provincial, Territorial Task Force on Genetics and Health / Groupe de travail FPT sur la génétique et la santé
HC / SC	Health Canada / Santé Canada
HSFC / FMCC	Heart and Stroke Foundation of Canada / Fondation des maladies du cœur du Canada
IA / IV	Institute of Aging / Institut du vieillissement
IAPH / ISA	Institute of Aboriginal Peoples' Health / Institut de la santé des Autochtones
ICR / IC	Institute of Cancer Research / Institut du cancer
ICRH / ISCR	Institute of Circulatory Respiratory Health / Institut de la santé circulatoire et respiratoire
IG / IG	Institute of Genetics / Institut de génétique
IGH / ISFH	Institute of Gender and Health / Institut de la santé des femmes et des hommes
IHDCYH / IDSEA	Institute of Human Development, Child and Youth Health / Institut du développement et de la santé des enfants et des adolescents
IHSPR / ISPS	Institute of Health Services and Policy Research / Institut des services et des politiques de la santé
III / IMII	Institute of Infection and Immunity / Institut des maladies infectieuses et immunitaires
IMHA / IALA	Institute of Musculoskeletal Health and Arthritis / Institut de l'appareil locomoteur et de l'arthrite
INMD / INMD	Institute of Nutrition, Metabolism, and Diabetes / Institut de la nutrition, du métabolisme et du diabète
INMHA / INSMT	Institute of Neurosciences, Mental Health, and Addiction / Institut des neurosciences, de la santé mentale et des toxicomanies
IPPH / ISPP	Institute of Population and Public Health / Institut de la santé publique et des populations
KFOC / FCR	Kidney Foundation of Canada / Fondation Canadienne du rein
QLA / APQ	Quebec Lung Association/ L'association pulmonaire de Québec
MSFHR	Michael Smith Foundation for Health Research
NCIC / INCC	National Cancer Institute of Canada / Institut national du cancer du Canada
NHLBI	National Heart Lung and Blood Institute
Pfizer	Pfizer Canada Inc.
SCN / RCS	Stem Cell Network / Réseau de cellules souches

*In some cases, the official organization name exists in English only.

*Dans certains cas, le nom officiel de l'organisation n'existe qu'en anglais.

Appendix **D**
Annexe

OTHER RESEARCH INVESTMENTS
AUTRES INVESTISSEMENTS EN RECHERCHE

Research Chairs in Cardiovascular and Stroke Research Chaires de recherche	Type	Foundation Fondation
Dr. Henry Duff, University of Calgary	Cardiology/Cardiologie	HSFA/FMCA
Dr. Stephen Archer, University of Alberta	Cardiology/Cardiologie	HSFA/FMCA
Dr. Charles R. Kerr, St. Paul's Hospital	Cardiology/Cardiologie	HSFBCY/FMCCB et Y
Dr. Yu Tian Wang, University of British Columbia	Stroke/AVC	HSFBCY/FMCCB et Y
Dr. Heather Arthur, McMaster University	Cardiac Nursing/Soins infirmiers en cardiologie	HSFO/FMCO
Dr. Fred Keeley, Hospital for Sick Children	Cardiology/Cardiologie	HSFO/FMCO
Dr. Peter Liu, Toronto Hospital/University of Toronto	Cardiology/Cardiologie	HSFO/FMCO
Dr. Brian Rutt, Robarts Research Institute	Cardiology/Cardiologie	HSFO/FMCO
Dr. Jeffery Weitz, Hamilton Civic Hospitals Research Centre	Cardiology/Cardiologie	HSFO/FMCO
Dr. Salim Yusuf, McMaster University	Stroke/AVC	HSFO/FMCO
Lawson Health Research Institute	Stroke Nursing/Soins infirmiers pour les AVC	HSFO/FMCO

Each Research Chair is funded via an endowment from the provincial Foundations listed as well as endowments from other sources
Chaque chaire de recherche est financée par la contribution des fondations provinciales mentionnées ainsi que par des sommes provenant d'autres sources.

Heart and Stroke/Richard Lewar Centre of Excellence in Cardiovascular Research	Centre d'excellence en recherche cardiovasculaire <i>Heart and Stroke/Richard Lewar</i>
Director: Dr. Peter Liu, University of Toronto	HSFO contribution - \$6 million Contribution de la FMCO : 6 million \$

Canadian Stroke Network	Réseau cérébrovasculaire canadien
Dr. Antoine M. Hakim, Ottawa Health Research Institute	Combined HSF provincial and national contributions totaling \$3 million (1999 - 2006). Contributions combinées des fondations nationale et provinciales totalisant 3 millions de dollars.

Heart and Stroke Foundation Centre for Stroke Recovery	<i>Heart and Stroke Foundation</i> <i>Centre for Stroke Recovery</i>
Co-directors/Co-directeurs : Dr. Antoine M. Hakim, Ottawa Health Research Institute Dr. Sandra Black, Sunnybrook and Women's College Health Science Centre Dr. Don Stuss, Baycrest Centre for Geriatric Care	HSFO annual commitment of \$649,000 for ten years from 2002 to 2011. L'engagement annuel de 649 000 \$ de la FMCO pour une durée de 10 ans, soit de 2002 à 2011.

The research investments listed above represent commitments from previous funding years involving research activity that carries into 2005/2006. The amounts, therefore, are not shown in the financial charts/summary information provided with this report.
Les investissements en recherche mentionnés ci-haut représentent des engagements pris au cours d'exercices précédents envers des projets de recherche qui se poursuivent en 2005-2006. Par conséquent, ces montants n'apparaissent pas aux graphiques et sommaires financiers qui figurent dans ce rapport.

Heart and Stroke Foundation of Québec Awards for excellence

Awards for excellence highlighting the outstanding contribution of researchers.

These awards enhance the grants allocated to these researchers in 2005-2006:

The Jonathan Ballon Award

Dr. Paul Jolicoeur (Clinical Research Institute of Montréal)
\$10,000

The John J. Day Award

Dr. Ditto Blaine (McGill University) \$10,000

RBC Royal Bank Award

Dr. Anouk Lamontagne (Jewish Rehabilitation Hospital) \$10,000

The Desjardins Financial Security Award

Dr. Zdenka Pausova (CHUM – Hôtel-Dieu) \$15,000

The Alfred B. Grossman Award of the EJLB Foundation

Dr. Marie Arsenault (Laval Hospital) \$5,000

The Buckingham Lions Club Award in memory of Robert

Dr. Paola A. Lanfranchi (Sacré-Coeur Hospital) \$5,000

The Birks Family Foundation Award

Dr. Darren Richard (Research Centre – Hôtel-Dieu de Québec)
\$5,000

The Pfizer Canada Award

Dr. Susan Kahn (McGill University) \$25,000

The Subway Franchisees of Outaouais Award

Dr Olivier Barbier (CHUQ-CHUL) \$5,000

The 4th International Conference on Preventive Cardiology

Dr James Brophy (McGill University) \$20,000

The sanofi-aventis Award

Dr Gaétan Guillemette (Sherbrooke University) \$5,000

Fondation des maladies du cœur du Québec Prix d'excellence

Prix d'excellence mettant en lumière la contribution remarquable des chercheurs.

Ces prix viennent bonifier la subvention accordée à ces chercheurs en 2005-2006 :

Le prix Jonathan Ballon

Dr Paul Jolicoeur (Institut de recherches cliniques de Montréal)
10 000 \$

Le prix John J. Day

Dr Ditto Blaine (Université McGill) 10 000 \$

Le prix RBC Banque Royale

Dre Anouk Lamontagne (Hôpital juif de réhabilitatin) 10 000 \$

Le prix Desjardins Sécurité financière

Dre Zdenka Pausova (CHUM – Hôtel-Dieu) 15 000 \$

Le prix Alfred B. Grossman de la Fondation EJLB

Dre Marie Arsenault (Hôpital Laval) 5 000 \$

Le prix Club Lions de Buckingham en mémoire de Robert

Dre Paola A. Lanfranchi (Hôpital Sacré-Coeur) 5 000 \$

Le prix de la Fondation de la famille Birks

Dr Darren Richard (Centre de recherche – Hôtel-Dieu de Québec)
5 000 \$

Le prix Pfizer Canada

Dre Susan Kahn (Université McGill) 25 000 \$

Le prix des franchisés Subway de l'Outaouais

Dr Olivier Barbier (CHUQ-CHUL) 5 000 \$

Le prix de la 4e Conférence Internationale de Cardiologie Préventive

Dr James Brophy (Université McGill) 20 000 \$

Le prix Sanofi-Aventis

Dr Gaétan Guillemette (Université de Sherbrooke) 5 000 \$

Training bursaries for PhD students in Cardiovascular and Stroke research

Partnership between Le Fonds de la recherche en santé du Québec (FRSQ), Le Réseau en santé cardiovasculaire (RSCV) and the Heart and Stroke Foundation of Québec (HSFQ).

The partners offer Training bursaries for three years for PhD students working with young researchers receiving a Grant-in-Aid from the Heart and Stroke Foundation of Québec (HSFQ).

In 2005-2006, 3 bursaries were given:

Pedro Geraldès (Dr Jean-François Tanguay, Montreal Heart Institute) \$20,000

Mathieu Boucher (Dr Guy Rousseau, Hôpital du Sacré-Cœur de Montréal) \$20,000

Carl Bolduc (Dr Jonny St-Amand, Laval University) \$20,000

Bourses de formation à des étudiants de 3^e cycle en recherche en santé cardiovasculaire ou vasculaire cérébrale.

Partenariat entre Le Fonds de la recherche en santé du Québec (FRSQ), le Réseau en santé cardiovasculaire (RSCV) et la Fondation des maladies du cœur du Québec (FMCCQ).

Les partenaires offrent des bourses d'aide à la formation pour le soutien d'étudiants au doctorat, travaillant avec de jeunes chercheurs ayant obtenu une subvention de la Fondation des maladies du cœur du Québec.

En 2005-2006, 3 bourses ont été offertes :

Pedro Geraldès (Dr Jean-François Tanguay, Institut de Cardiologie de Montréal) 20 000 \$

Mathieu Boucher (Dr Guy Rousseau, Hôpital du Sacré-Cœur de Montréal) 20 000 \$

Carl Bolduc (Dr Jonny St-Amand, Université Laval) 20 000 \$

Heart and Stroke Foundation of Saskatchewan

Biomedical Imaging and Therapy (BMIT) Beamline at the Canadian Light Source

HSFS annual commitment is \$100,000 for five years from 2004 to 2008.

Fondation des maladies du cœur du Saskatchewan

Biomedical Imaging and Therapy (BMIT) Beamline at the Canadian Light Source

L'engagement annuel de 100 000 \$ de la FMCS pour une durée de 5 ans, soit de 2004 à 2008.