



Results of the 15/09/2006 200609MOP Operating Grant Competition

Updated : 10/09/2007

| Principal Investigators Institution Paid Research Institution* Title | Co-Applicant(s) | Average Annual Operating Amount | Equipment | Term | PRC ** | Status |
|--|---|------------------------------------|-----------|---------|-----------|--------|
| LAI, Raymond K Alberta Cancer Board (Edmonton) ALK-expressing anaplastic large cell lymphoma: Pathogenesis and novel therapeutics | | \$106,389 | | 4 Yr(s) | CPT | |
| ANDERSON, Nicole D Baycrest Centre for Geriatric Care (Toronto) Baycrest Hospital (North York) Memory interventions for older adults | CABEZA, Roberto E / GRADY, Cheryl L / GRAHAM, Simon J / JENNINGS, Janine M | \$116,128 | | 3 Yr(s) | BSB | |
| GRADY, Cheryl L Baycrest Centre for Geriatric Care (Toronto) Baycrest Hospital (North York) The effect of aging on processing of spatial and nonspatial information in the auditory and visual systems | ALAIN, Claude | \$68,268 | | 5 Yr(s) | BCA | |

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|---|--|------------------------------------|-----------|---------|-----------|--------|
| WADE, Terrance J CAIRNEY, John Brock University (Ontario) Mental health issues surrounding single parent fathers and mothers: The intersection of family structure and gender | | \$46,804 | | 2 Yr(s) | GSH | |
| CÔTÉ, José GODIN, Gaston Centre Hosp. de l'Université de Montréal (CHUM) Evaluation d'un programme d'interventions sur mesure "tailored" visant à optimiser l'adhésion à la prise des antirétroviraux auprès de personnes vivant avec le VIH | COX, J. J / GUÉHÉNEUC, Yann-Gaël P / LALONDE, Richard R / LOISELLE, Carmen G / OTIS, Joanne / RAMIREZ GARCIA, Maria Pilar / TREMBLAY, Cécile L | \$53,474 | | 4 Yr(s) | HSI | |
| MUKADDAM-DAHER, Suhayla Centre Hosp. de l'Université de Montréal (CHUM) Effects of sympathetic inhibition in cardiac pathologies | GUTKOWSKA, Jolanta | \$70,722 | | 3 Yr(s) | CSA | |
| ROULEAU, Guy A Centre Hosp. de l'Université de Montréal (CHUM) Identification of genes predisposing to Restless Legs Syndrome | DUBÉ, Marie-Pierre / MONTPLAISIR, Jacques Y | \$110,075 | | 5 Yr(s) | G | |

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| SANTOS, Manuela M Centre Hosp. de l'Université de Montréal (CHUM) Iron metabolism and immune system interactions | | \$110,643 | | 5 Yr(s) | EM | |
| MEYER, Jeffrey H Centre for Addiction and Mental Health (Toronto) Neurochemical aspects of depression in women: Monoamine oxidase A in the postpartum period | HOULE, Sylvain / STEWART, Donna E / WILSON, Alan A | \$103,447 | | 3 Yr(s) | GSH | |
| ROSS, Lori E Centre for Addiction and Mental Health (Toronto) Social locations, social connectedness, and postpartum depression | BOURGEOULT, Ivy L / CAIRNEY, John / DENNIS, Cindy-Lee E / STEELE, Leah S | \$100,000 | | 1 Yr(s) | GSH | |
| WELLS, Samantha L Centre for Addiction and Mental Health (Toronto) Centre for Addiction and Mental Health Foundation The development and validation of a multidimensional inventory measuring attitudes toward male-to-male alcohol-related aggression | GRAHAM, Kathryn (Kate) M / TREMBLAY, Paul F | \$57,704 | | 3 Yr(s) | PSD | |

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| KUMAR, Ashok Children's Hospital of Eastern Ontario (Ottawa) Resistance to HIV-vpr-induced apoptosis and its regulation in human monocytic cells | KRYWORUCHKO, Marko A / MCBRIDE, Heidi M | \$95,774 | | 3 Yr(s) | VVP | |
| RYDER, Andrew G NOH, Samuel Concordia University (Montreal, Quebec) Centre for Addiction and Mental Health Foundation Somatic and psychological symptom focus in asian-Canadians: The role of cultural and individual differences in the psychopathology, assessment, and treatment of depression | BAGBY, Robert M | \$128,850 | | 3 Yr(s) | PSB | |
| SACHER, Michael G Concordia University (Montreal, Quebec) Identification and characterization of factors interacting with the multisubunit vesicle tethering complex TRAPP I | | \$118,546 | | 5 Yr(s) | BMB | |
| SCHWARTZMAN, Alex E ABRAHAMOWICZ, Michal M HASTINGS, Paul D Concordia University (Montreal, Quebec) The bioecological dimensions of mental and physical health across three generations | SERBIN, Lisa / STACK, Dale M / TAMBLYN, Robyn M | \$126,667 | | 4 Yr(s) | PSD | |

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| WROSCH, Carsten Concordia University (Montreal, Quebec) Self-regulation on common age-related challenges: Benefits for older adults' psychological and physical health | LUPIEN, Sonia J / MILLER, Gregory E / PRUESSNER, Jens C | \$75,401 | | 5 Yr(s) | PSB | |
| DUGAS, Michel J Concordia University (Montreal, Quebec) Hôpital du Sacré-Coeur de Montréal Cognitive-behavioural treatment of generalized anxiety disorder: Impact of cognitive processing on short- and long-term outcomes | BUKOWSKI, William M / GAUDET, Adrienne / PHILLIPS, Natalie A / RADOMSKY, Adam S / SAVARD, Pierre / TURCOTTE, Julie | \$50,041 | | 5 Yr(s) | PSB | |
| ANINI, Younes Dalhousie University (Nova Scotia) Posttranslational processing of proghrelin and role of ghrelin and obestatin in the endocrine pancreas | | \$94,415 | | 3 Yr(s) | E | |
| BREAU, Lynn M Dalhousie University (Nova Scotia) Development and pilot testing of psychological pain management techniques for children with intellectual disabilities | FINLEY, G. A / FORGERON, Paula A / SNELGROVE-CLARKE, Erna E / STEENBEEK, Audrey | \$45,832 | | 2 Yr(s) | CHI | |

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| DARVESH, Sultan Dalhousie University (Nova Scotia) Synthesis and evaluation of butyrylcholinesterase ligands for brain imaging in dementia | BURRELL, Steven C / MATTE, Gilbert / POTTIE, Ian R | \$95,610 | | 3 Yr(s) | BCA | |
| ROCKER, Graeme M Dalhousie University (Nova Scotia) Queen Elizabeth II Health Science Centre (Nova Scotia) Advanced COPD: Intervention with a modular educational program and an advanced care team. The COPD IMPACT study | HERNANDEZ, Paul / HORTON, Robert P / SINUFF, Tasnim | \$91,970 | | 1 Yr(s) 6 Mths | PLC | |
| BOIVIN, Diane B Douglas Hospital Research Centre (Verdun, Québec) Circadian oscillation of clock genes in humans and resetting by environmental cues | CERMAKIAN, Nicolas | \$91,592 | | 5 Yr(s) | BSC | |
| LUPIEN, Sonia J Douglas Hospital Research Centre (Verdun, Québec) Genes X stress interactions : Effects on aged human memory | JOOPER, Ridha / POIRIER, Judes | \$83,737 | | 5 Yr(s) | BCA | |

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| SCHMITZ, Norbert Douglas Hospital Research Centre (Verdun, Québec) Depression and obesity: Longitudinal relationships in the community | LESAGE, Alain D / WANG, Jianli | \$50,000 | | 2 Yr(s) | PSD | |
| BAZETT-JONES, David P Hospital for Sick Children (Toronto) Genetic programming from PML nuclear bodies | | \$121,384 | | 5 Yr(s) | BMB | |
| BOULIANNE, Gabrielle L Hospital for Sick Children (Toronto) Genetic analysis of aging in Drosophila | | \$119,629 | | 5 Yr(s) | BCA | |
| GORDON, Karen Ann Hospital for Sick Children (Toronto) Bilateral auditory plasticity in human development | | \$60,404 | | 1 Yr(s) | CHI | |
| GUHA, Abhijit Hospital for Sick Children (Toronto) Microenvironment induced molecular heterogeneity in glioblastoma multiforme (GBM) | RAK, Janusz | \$100,000 | | 1 Yr(s) | CBT | |

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| GUIDOS, Cynthia J Hospital for Sick Children (Toronto) Functions of notch-fringe interactions in lymphocyte development | | \$141,964 | | 5 Yr(s) | ITA | |
| HARPER, Patricia A Hospital for Sick Children (Toronto) Novel modulation of CYP1 gene expression by the proto-oncogene product, b-catenin | | \$100,000 | | 1 Yr(s) | PT | |
| HARRISON, Robert V Hospital for Sick Children (Toronto) The programming of the neonatal auditory brain by environmental sound stimuli | | \$95,870 | | 5 Yr(s) | BSC | |
| HAWKINS, Cynthia E Hospital for Sick Children (Toronto) Telomerase in paediatric ependymoma - its role as a novel prognostic marker and potential new therapy | | \$87,671 | | 3 Yr(s) | CPT | |
| HOWELL, Patricia L Hospital for Sick Children (Toronto) Biosynthesis and export of Pseudomonas aeruginosa alginate | | \$139,800 | | 5 Yr(s) | BMA | |

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| ITO, Shinya Hospital for Sick Children (Toronto) Novel transcriptional control of human CYP3A | VYHLIDAL, Carrie A | \$111,848 | | 3 Yr(s) | PT | |
| MINASSIAN, Berge A Hospital for Sick Children (Toronto) Unraveling the pathogenesis of the autophagic vacuolar myopathies | ACKERLEY, Cameron A / MANOLSON, Morris F | \$155,879 | | 5 Yr(s) | G | |
| PANG, Cho Y Hospital for Sick Children (Toronto) Angiogenic cytokine gene therapy for optimal augmentation of skin flap viability: Efficacy and mechanism | | \$91,309 | | 5 Yr(s) | CIB | |
| REDINGTON, Andrew N Hospital for Sick Children (Toronto) The effect of remote ischemic preconditioning on clinical and genetic responses to open heart surgery in children | MCCRINDLE, Brian W | \$97,360 | | 1 Yr(s) | CSB | |
| SALTER, Michael W Hospital for Sick Children (Toronto) Regulation of NMDA receptors in synaptic transmission and plasticity | | \$194,981 | | 5 Yr(s) | NSB | |

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| SCHACHAR, Russell J Hospital for Sick Children (Toronto) Functional imaging of inhibitory control and error detection in attention deficit hyperactivity disorder (ADHD) | NOSEWORTHY, Michael D | \$57,139 | | 3 Yr(s) | BSB | |
| STEVENS, Bonnie J Hospital for Sick Children (Toronto) Predictors of maternal/infant attendance at neonatal follow-up programs | BALLANTYNE, Marilyn L / PINELLI, Janet M / ROSENBAUM, Peter L / WILLAN, Andrew R | \$60,177 | | 3 Yr(s) | PSD | |
| TANSWELL, A. K Hospital for Sick Children (Toronto) Inhibition of physiological apoptosis as a major component of chronic neonatal lung injury | JANKOV, Robert P | \$86,009 | | 5 Yr(s) | RS | |
| BRUNETTE, Isabelle GERMAIN, Lucie KIEFFER, Jean-Claude VIDAL, Francois Hôpital Maisonneuve-Rosemont (Montréal) Femtosecond laser and tissue engineering assisted corneal endothelial transplantation: Phase II | | \$105,801 | | 3 Yr(s) | CIA | |

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| RAMOTAR, Dindial Hôpital Maisonneuve-Rosemont (Montréal) Proteins involved in the transport of the antitumour drug bleomycin: Yeast to mammalian cells | | \$85,576 | | 4 Yr(s) | CPT | |
| LEVY, Emile Hôpital Sainte-Justine (Montréal) Physiological basis of abnormal lipid transport in CFTR-deficient enterocytes: A mechanism explaining the persistent intestinal malabsorption in cystic fibrosis | | \$95,630 | | 4 Yr(s) | NUT | |
| NUYT, Anne Monique Hôpital Sainte-Justine (Montréal) Is perinatal oxidative stress the primary element underlying developmental programming of hypertension and vascular dysfunction? | | \$72,262 | | 3 Yr(s) | CSB | |
| RICHTER, Andrea Hôpital Sainte-Justine (Montréal) Towards understanding north American Indian childhood cirrhosis, an important disease in Quebec aboriginal communities | MITCHELL, Grant A | \$130,055 | | 3 Yr(s) | ABH | |

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| PARENT, Stefan Hôpital Sainte-Justine (Montréal) Université de Montréal Analysis of local three-dimensional spinal and pelvic measurements as predictive factors for progression of the spinal deformity in adolescent idiopathic scoliosis | DE GUISE, Jacques A / LABELLE, Hubert B / RIVARD, Michèle | \$58,911 | | 3 Yr(s) | CIB | |
| PAGE, Pierre L Hôpital du Sacré-Coeur de Montréal Neurogenic substrates of atrial fibrillation | | \$51,017 | | 1 Yr(s) | CSA | |
| PEARSON, Angela INRS - (Québec, QC) Molecular mechanisms underlying the role of UL24 in Herpes simplex virus 1 replication and pathogenesis | | \$100,517 | | 3 Yr(s) | VVP | |
| TALBOT, Pierre J INRS - (Québec, QC) Interactions of human coronaviruses with the nervous system | | \$138,887 | | 5 Yr(s) | VVP | |

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| JOSEPH, K. S ALLEN, Victoria M DENDUKURI, Nandini O'CAMPO, Patricia IWK Health Centre (Halifax) Socioeconomic status and perinatal health | ALLEN, Alexander C / DODDS, Linda / LISTON, Robert M | \$104,727 | | 3 Yr(s) | PUB | |
| SMITH, Isabel M IWK Health Centre (Halifax) Effectiveness of the Nova Scotia EIBI program for young children with autistic spectrum disorders | BRYSON, Susan E / VAILLANCOURT, Tracy | \$86,230 | | 3 Yr(s) | CHI | |
| COULOMBE, Benoît Institut de recherches cliniques de Montréal Proteomic analysis of the cell machinery that interprets the human genome | BLANCHETTE, Mathieu D | \$177,500 | | 5 Yr(s) | GMX | |
| DURAND, Louis-Gilles Institut de recherches cliniques de Montréal Impact of aortic stenosis and systemic arterial hypertension on coronary circulation and left ventricular function | DUMESNIL, Jean G / GARCIA, Damien / KADEM, Lyes / MATHIEU, Patrick / PIBAROT, Philippe J / RODÉS CABAU, Josep | \$112,852 | | 3 Yr(s) | CSB | |

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| KMITA, Marie T Institut de recherches cliniques de Montréal Interplay between hox genes, cell proliferation and apoptosis during embryogenesis | | \$136,484 | | 5 Yr(s) | DEV | |
| ROBERT, François Institut de recherches cliniques de Montréal The role of chromatin in cell cycle gene transcription and DNA replication | | \$139,632 | | 5 Yr(s) | GMX | |
| VEILLETTE, André Institut de recherches cliniques de Montréal Regulation of immunity and cancer by PTP- PEST | | \$114,221 | | 5 Yr(s) | ITA | |
| VEILLETTE, André Institut de recherches cliniques de Montréal SLAM family receptors in immunity and cancer | | \$150,294 | | 5 Yr(s) | MCC | |
| FERLAND, Guylaine Institut universitaire de gériatrie de Montréal Vitamin K action in brain during growth and aging: Mechanism of action and modulation by diet | ROCHFORD, Joseph | \$107,413 | | 3 Yr(s) | NUT | |

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| RAINVILLE, Pierre Institut universitaire de gériatrie de Montréal Experimental studies of the impact of emotions on pain physiology | PICHE, Mathieu / ROY, Mathieu | \$79,369 | | 3 Yr(s) | BSC | |
| LEE, Ting-Yim London Health Sciences Centre Res. Inc. (Ont.) Lawson Health Research Institute (London, Ontario) Perfusion and lipid imaging with a liver specific CT contrast agent to detect progression of cirrhosis to hepatocellular carcinoma | ADAMS, Paul C / CHAKRABARTI, Subrata / YEE, Siu-Pok | \$102,231 | | 3 Yr(s) | MPI | |
| DUFORT, Daniel McGill University Centre universitaire de santé de McGill Deciphering the signaling pathways involved in embryo-uterine communication during implantation | | \$115,690 | | 5 Yr(s) | DEV | |
| BARKER, Philip A McGill University Identifying signal transduction pathways regulated by the inhibitors of apoptosis proteins (IAPs) and their roles in cancer | | \$137,889 | | 5 Yr(s) | CBM | |

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| BOWIE, Derek McGill University Ionotropic kainate receptors operate by a novel gating mechanism | | \$97,033 | | 5 Yr(s) | NSA | |
| CHACRON, Maurice Jacques McGill University Experimental and theoretical approaches applied to sensory processing | | \$86,052 | | 5 Yr(s) | NSA | |
| CYBULSKY, Andrey V McGill University Activation of glomerular epithelial cells by complement | | \$106,076 | | 5 Yr(s) | EM | |
| GOTO, Yukiori McGill University Neurodevelopmental investigation for identification of prefrontal cortical alterations distinguishing schizophrenia and ADHD | | \$71,187 | | 3 Yr(s) | NSA | |
| HESS, Robert F McGill University Neural dysfunction in human amblyopia | | \$96,030 | | 5 Yr(s) | BSC | |

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| JONES, Barbara E McGill University Arousal systems: Orexin and other hypothalamic neurons | | \$117,856 | | 5 Yr(s) | BSA | |
| KIMMINS, Sarah McGill University Epigenetic regulation of male germ cell transcription : Does methylation of histone H3 at lysine 4 control key events in male germ cell differentiation? | | \$107,777 | | 3 Yr(s) | E | |
| KINGDOM, Frederick A McGill University Color vision and image analysis | | \$58,963 | | 5 Yr(s) | BSC | |
| LAMARCHE-VANE, Nathalie McGill University Intracellular mechanisms regulated by the axon guidance cue netrin-1 | | \$117,446 | | 3 Yr(s) | CBM | |
| LASKO, Paul F McGill University Translational control in eukaryotic development | SONENBERG, Nahum | \$125,911 | | 5 Yr(s) | G | |

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| MOITESSIER, Nicolas R McGill University Improvement of FITTED for the virtual screening, synthesis and biological evaluation of covalent reversible inhibitors of POP, a prolyl-specific peptidase implicated in Alzheimer's disease | | \$49,500 | | 2 Yr(s) | PS | |
| MUSALLAM, Wissam McGill University Static and dynamic reach encoding by the parietal and premotor cortices: Application to brain machine interfaces | | \$95,106 | | 5 Yr(s) | MOV | |
| NAGAR, Bhushan McGill University Structural analysis of mechanisms of protein kinase regulation | | \$99,469 | | 5 Yr(s) | BMA | |
| PICCIRILLO, Ciriaco A McGill University Functional dynamics of foxp3+ regulatory T cells in vivo | | \$119,838 | | 5 Yr(s) | ITB | |

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| PIKE, G. Bruce McGill University Functional magnetic resonance imaging of brain physiology | ARNOLD, Douglas L | \$121,323 | | 5 Yr(s) | MPI | |
| SHEN, Shi-Hsiang McGill University The roles of miRNAs in oncogenesis | | \$93,557 | | 3 Yr(s) | CPT | |
| TAMBLYN, Robyn M BUCKERIDGE, David L McGill University Automated syndromic surveillance: Validation of physician billing claims accuracy | CADIEUX, Genevieve / CARSLEY, John / JACQUES, André | \$64,357 | | 2 Yr(s) | POP | |
| TONE, Andrea McGill University Cold war psychiatry in Quebec: The promises and perils of the new psychopharmacology | | \$50,570 | | 3 Yr(s) | HUP | |
| WEILER, Hope A McGill University Vitamin D dose-response study to establish dietary requirements in infants | RODD, Celia J | \$132,883 | | 3 Yr(s) | NUT | |

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| WING, Simon S McGill University Function of USP19 deubiquitinating enzyme in muscle wasting | | \$100,777 | | 3 Yr(s) | PLC | |
| FIXMAN, Elizabeth D McGill University Meakins Christie Labs (Québec) Cell permeable peptides targeting STAT-6 and inhibition of allergic airways disease | | \$100,800 | | 3 Yr(s) | RS | |
| PETROF, Basil J McGill University Meakins Christie Labs (Québec) The relationship between proinflammatory mediator expression and diaphragm dysfunction | | \$104,827 | | 5 Yr(s) | RS | |
| MCPHERSON, Peter S McGill University Montreal Neurological Institute Probing biological outcomes of a proteomic analysis of clathrin-coated vesicles | | \$144,854 | | 5 Yr(s) | CP | |

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| HUSSAIN, Sabah N McGill University Royal Victoria Hospital (Montreal) Mechanisms of angiotensin/tie-2 signaling in endothelial cells | | \$94,705 | | 3 Yr(s) | CSC | |
| ROUGHLEY, Peter J McGill University Shriners Hospital for Children (Montréal) The function of the leucine-rich repeat proteoglycans of connective tissues | | \$93,002 | | 5 Yr(s) | CIB | |
| ASHKAR, Ali A McMaster University Role of IL-15 and NK cells in innate defense against mucosal viral infection | | \$113,104 | | 5 Yr(s) | VVP | |
| AUSTIN, Richard C McMaster University Role of TDAG51 to the development and progression of atherothrombotic disease | | \$112,316 | | 5 Yr(s) | CSC | |

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| COOMBES, Brian K McMaster University Identification and regulation of integrated virulence genes during salmonella pathogenesis | | \$97,068 | | 5 Yr(s) | MI | |
| O'DONNELL, Martin J YUSUF, Salim McMaster University INTERSTROKE: Importance of conventional and emerging risk factors for stroke in different regions of the world and in different ethnic groups: A pilot case-control study | GLADSTONE, David J / KAPRAL, Moira K / OCZKOWSKI, Wieslaw J / SAPOSNIK, Gustavo / XAVIER, Denis B | \$114,879 | | 3 Yr(s) | POP | Pending |
| ORTEGA, Joaquin McMaster University Structural and functional analysis of macromolecular machines involved in the protein quality control system | | \$108,544 | | 5 Yr(s) | BMA | |
| SINDING, Christina GOULD, Judith A McMaster University Negotiating equity: Toward the elimination of disparities in cancer care | ARONSON, Jane / FITCH, Margaret I / HUDAK, Pamela L / KELLER- OLAMAN, Susan / LEARN, Linda / NELSON, Jennifer J / SUSSMAN, Jonathan / WIERNIKOWSKI, Jennifer A | \$80,676 | | 4 Yr(s) | HSR | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| TRUANT, Ray McMaster University Investigating the potential of a membrane association signal in the huntingtin protein as a new drug target for Huntington's Disease | | \$108,640 | | 5 Yr(s) | CBM | |
| WAN, Yonghong McMaster University Tumour immunotherapy with oncolytic virus and cancer vaccines | LICHTY, Brian D | \$121,168 | | 5 Yr(s) | CBT | |
| RAHMAN, Proton Memorial University of Newfoundland Further genetic and functional characterization of Candidate genes/regions in psoriatic arthritis | GLADMAN, Dafna D / INMAN, Robert D / TSUI, Florence W | \$132,644 | | 3 Yr(s) | CIB | |
| MERHI, Yahye Montreal Heart Institute Signaling and function of P-selectin in athero-thrombosis | | \$98,839 | | 4 Yr(s) | CSC | |
| NATTEL, Stanley Montreal Heart Institute Mechanisms and consequences of atrial ionic remodeling | | \$170,935 | | 5 Yr(s) | CSB | |

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| Principal Investigators Institution Paid Research Institution* Title | Co-Applicant(s) | Average Annual Operating Amount | Equipment | Term | PRC ** | Status |
|---|-----------------------------------|------------------------------------|-----------|---------|-----------|--------|
| WANG, Zhiguo Montreal Heart Institute Post-transcriptional repression of ion channels by the muscle-specific microRNAs miR-1 and miR-133 and the potential implications in electrophysiologic remodeling in failing heart | | \$124,189 | | 4 Yr(s) | PT | |
| BOCKING, Alan D Mount Sinai Hospital (Toronto) Role of lactobacilli in maternal and perinatal health | CHALLIS, John R / REID, Gregor | \$96,070 | | 5 Yr(s) | CIA | |
| CULOTTI, Joseph G Mount Sinai Hospital (Toronto) Samuel Lunenfeld Research Institute (Toronto) Molecular genetic analysis of biogenic amine signaling in <i>C. elegans</i> | | \$71,640 | | 3 Yr(s) | G | |
| DRUCKER, Daniel J Mount Sinai Hospital (Toronto) Samuel Lunenfeld Research Institute (Toronto) Elucidating the role of GIP in glucose homeostasis | | \$111,393 | | 5 Yr(s) | M | |

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|--|--|------------------------------------|-----------|---------|-----------|--------|
| LYE, Stephen J Mount Sinai Hospital (Toronto) Samuel Lunenfeld Research Institute (Toronto) Extra villous trophoblast mediated utero-placental vascular remodelling | DUNK, Caroline E / KEATING, Sarah J / MAXWELL, Cynthia V | \$128,562 | | 5 Yr(s) | E | |
| LYE, Stephen J Mount Sinai Hospital (Toronto) Samuel Lunenfeld Research Institute (Toronto) Gene-environment interactions underlying the developmental origins of health and disease | BEILIN, Lawrence J / BRIOLLAIS, Laurent / CHALLIS, John R / DOHERTY, Dorota A / MATTHEWS, Stephen G / NEWNHAM, John P / OZCELIK, Hilmi / PALMER, Lyle J / PENNELL, Craig E / SIMINOVITCH, Katherine A / STANLEY, Fiona J / VAN EEKELEN, Johanna A / ZUBRICK, Stephen R | \$136,276 | | 3 Yr(s) | CIA | |
| ADDISON, Christina L Ottawa Health Research Institute Role of extracellular matrix in resistance to anti-angiogenic therapies | | \$100,000 | | 1 Yr(s) | CPT | |

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|--|------------------|------------------------------------|-----------|---------|-----------|--------|
| BELL, John C Ottawa Health Research Institute Virus: Host interactions during oncolytic virus therapy | ATKINS, Harold L | \$110,259 | | 5 Yr(s) | VVP | |
| BRAND, Marjorie C Ottawa Health Research Institute Systems biology approach to elucidate the role of SCL/TAL-1 in T-cell acute lymphoblastic leukemia | | \$129,194 | | 3 Yr(s) | GMX | |
| KENNEDY, Christopher R Ottawa Health Research Institute Function of prostaglandin EP receptor Subtypes in glomerular disease | | \$110,721 | | 5 Yr(s) | EM | |

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|--|---|------------------------------------|-----------|---------|-----------|--------|
| KNOLL, Gregory FERGUSON, Dean A Ottawa Health Research Institute Novel markers to improve the detection of declining kidney function | AKBARI, Ayub / CANTAROVICH, Marcelo / GILL, John S / GOURISHANKAR, Sita / KIBERD, Bryce A / LEPAGE, Nathalie / MUIRHEAD, Norman / PRASAD, G.V. R / RAMSAY, Timothy O / TIBBLES, Lee Anne / TRELEAVEN, Darin J / WHITE, Christine A | \$46,180 | | 5 Yr(s) | HSI | |
| KOTHARY, Rashmi K Ottawa Health Research Institute Dystonin/bpag1 - a versatile linker protein | | \$134,823 | | 5 Yr(s) | CBM | |
| MEGENEY, Lynn A Ottawa Health Research Institute The role of caspase mediated DNA cleavage in cell differentiation | | \$93,447 | | 3 Yr(s) | G | |
| STIELL, Ian G Ottawa Health Research Institute A study to develop clinical decision rules for the hospital admission of patients with acute dyspnea | AARON, Shawn D / BRISON, Robert J / CALDER, Lisa A / FORSTER, Alan J / PERRY, Jeffrey J / ROWE, Brian H / WELLS, George A | \$116,951 | | 3 Yr(s) | HSI | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| WEN, Shi Wu Ottawa Health Research Institute Folic acid supplementation in early second trimester and the risk of preeclampsia | PERKINS, Sherry L / RODGER, Marc A / SMITH, Graeme N / WALKER, Mark C / YANG, Qiuying | \$131,363 | | 3 Yr(s) | PUB | |
| YANG, Qiuying Ottawa Health Research Institute Perinatal outcomes in pregnancy women treated with antidepressants | BRADWEJN, Jacques / FERGUSSON, Dean A / KOREN, Gideon / WALKER, Mark C / WEN, Shi Wu | \$71,564 | | 1 Yr(s) | PUB | |
| TASCA, George Ottawa Health Research Institute Ottawa Hospital General Campus (Ottawa Ontario) Optimizing outcomes for binge eating, depression and weight loss for obese women with binge eating disorder by matching to group psychological treatments based on level of attachment anxiety | BALFOUR, Louise C / BISSADA, Hany E / KRYSAWSKI, Valerie L / PRYDE, Kirsti A / RITCHIE, Kerri | \$52,762 | | 2 Yr(s) | GSH | |
| SCHREINER, L. J Queen's University (Kingston, Ontario) Kingston Regional Cancer Centre (Ontario) Improved polymer gel dosimetry for clinical radiation therapy | DARKO, Johnson / MCAULEY, Kim B / SALOMONS, Gregory J | \$71,481 | | 3 Yr(s) | MPI | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| AMSDEN, Brian G Queen's University (Kingston, Ontario) Injectable formulation for growth factor delivery | PANG, Stephen C | \$89,514 | | 4 Yr(s) | PS | |
| BANFIELD, Bruce W Queen's University (Kingston, Ontario) AlphaHerpesvirus cell-to-cell spread | | \$97,365 | | 5 Yr(s) | VVP | |
| CRAIG, Andrew W Queen's University (Kingston, Ontario) Regulation of mast cell activation and inflammation | | \$94,565 | | 3 Yr(s) | ITB | |
| FLANAGAN, John R Queen's University (Kingston, Ontario) Sensorimotor processes underlying object manipulation | | \$99,928 | | 5 Yr(s) | BSC | |
| LEVESQUE, Linda E Queen's University (Kingston, Ontario) Antithrombotic treatment intensity and the risk of hemorrhagic complications in the elderly: A population-based study | BROPHY, James M / DASKALOPOULOU, Styliani / DENDUKURI, Nandini / MAYO, Nancy E | \$102,749 | | 2 Yr(s) | POP | |

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|--|------------------------------------|------------------------------------|-----------|---------|-----------|--------|
| FENSTER, Aaron Robarts Research Institute (London, Ont.) Development of 3D ultrasound techniques for carotid artery disease assessment and monitoring | PARRAGA, Grace / SPENCE, John D | \$112,861 | | 5 Yr(s) | MPI | |
| GROS, Robert Robarts Research Institute (London, Ont.) Regulators of G-protein-coupled receptor-mediated vascular responses | | \$80,041 | | 3 Yr(s) | CSC | |
| MADRENAS, Joaquin Robarts Research Institute (London, Ont.) The role of SLP-2 in TCR signalosome assembly and T cell activation | | \$121,389 | | 5 Yr(s) | ITA | |
| PASTERNAK, Stephen H Robarts Research Institute (London, Ont.) Characterizing the role of the endosomal/lysosomal system in Alzheimer's Disease | FERGUSON, Stephen S | \$99,248 | | 3 Yr(s) | BCA | |

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|--|--|------------------------------------|-----------|---------|-----------|--------|
| CHAUDHURY, Habib Simon Fraser University (Burnaby, B.C.) The role of neighbourhood physical environment and social capital on physical activity of older adults: A comparative analysis in Vancouver, British Columbia and portland, Oregon | HAYES, Michael V / MAHMOOD, Atiya N / MICHAEL, Yvonne L / SARTE, Ann F | \$82,970 | | 3 Yr(s) | SDA | |
| LEAR, Scott A Simon Fraser University (Burnaby, B.C.) Multicultural community health assessment trial (M-CHAT): A longitudinal study of body fat distribution and cardiovascular risk in four ethnic populations | BIRMINGHAM, C. Laird / FROHLICH, Jiri J / HUMPHRIES, Karin H / MANCINI, G. B. J | \$151,469 | | 4 Yr(s) | NUT | |
| LEROUX, Michel R Simon Fraser University (Burnaby, B.C.) Biogenesis and functions of sensory cilia | | \$92,892 | | 5 Yr(s) | CP | |
| ALOYZ, Raquel S Sir Mortimer B. Davis Jewish General Hospital- Mtl Lady Davis Institute for Medical Research (Mtl) mechanisms of dasatinib cytotoxicity and sensitization therapy in chronic lymphocytic leukemia | | \$62,815 | | 2 Yr(s) | PS | |

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|---|--|------------------------------------|-----------|---------|-----------|--------|
| CHERTKOW, Howard M Sir Mortimer B. Davis Jewish General Hospital- Mtl Lady Davis Institute for Medical Research (Mtl) Establishing prognostic subgroups in mild cognitive impairment | DIKSIC, Mirko / KABANI, Noor J | \$114,007 | | 5 Yr(s) | BSB | |
| TAGALAKIS, Vicky KAHN, Susan R Sir Mortimer B. Davis Jewish General Hospital- Mtl Lady Davis Institute for Medical Research (Mtl) The effect of sex on the epidemiology of venous thromboembolic disease | BOIVIN, Jean-François / MORIDE, Yola / OPATRNY, Lucie | \$50,681 | | 2 Yr(s) | GSH | |
| EISENBERG, Mark J Sir Mortimer B. Davis Jewish General Hospital- Mtl Cardiac outcomes in patients with metabolic syndrome: A systematic review and hierarchical Bayesian meta-analysis | FILION, Kristian B / GENEST, Jacques Jr. / JOSEPH, Lawrence / PILOTE, Louise / POIRIER, Paul / RINFRET, Stéphane / SCHIFFRIN, Ernesto L | \$56,408 | | 2 Yr(s) | KTE | |

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|--|---|------------------------------------|-----------|-------------------|-----------|--------|
| HUDSON, Marie Sir Mortimer B. Davis Jewish General Hospital- Mtl Development and validation of a patient- assessed disease activity Index in systemic sclerosis | BARON, Murray / STEELE, Russell J / WOOD- DAUPHINEE, Sharon L | \$72,560 | | 3 Yr(s) 6 Mths | POP | |
| PONKA, Premysl Sir Mortimer B. Davis Jewish General Hospital- Mtl Chelation, mobilization and metabolism of storage iron | | \$93,919 | | 5 Yr(s) | PS | |
| RICHARD, Stéphane Sir Mortimer B. Davis Jewish General Hospital- Mtl The role of arginine methylation of MRE11 in mediating the DNA damage response | | \$123,893 | | 5 Yr(s) | CBT | |
| RICHARD, Stéphane Sir Mortimer B. Davis Jewish General Hospital- Mtl The role of the STAR RNA binding protein sam68 in regulating cell migration and proliferation in cancer | | \$141,186 | | 5 Yr(s) | MCC | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| SCHIFFRIN, Ernesto L Sir Mortimer B. Davis Jewish General Hospital- Mtl Vascular remodeling in hypertension: From genes to mice to humans | | \$108,240 | | 5 Yr(s) | CSB | |
| LINKS, Paul S CUTCLIFFE, John R St. Michael's Hospital (Toronto) Understanding the risk of suicide associated with recent discharge | BALDERSON, Kenneth E / BERGMANS, Yvonne / HARDER, Henry G / HOCH, Jeffrey S / NISENBAUM, Rosane | \$100,030 | | 2 Yr(s) | HSI | |
| STEWART, Duncan J St. Michael's Hospital (Toronto) Role of angiotensin II in regulation of angiogenesis | | \$82,600 | | 3 Yr(s) | CSC | |
| KO, Dennis T. Sunnybrook Health Sciences Centre Institute for Clinical Evaluative Sciences- Toronto Evaluating and improving the quality of care and outcomes of percutaneous coronary interventions in Canada | ALTER, David A / AUSTIN, Peter C / STUKEL, Therese A / TU, Jack V | \$122,022 | | 3 Yr(s) | HSR | |

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|--|-----------------|------------------------------------|-----------|---------|-----------|--------|
| ANDERSON, Michele K Sunnybrook Health Sciences Centre Roles of the transcription factors HEBAl ^t and HEB in T cell development | | \$118,425 | | 5 Yr(s) | ITA | |
| DUMONT, Daniel J Sunnybrook Health Sciences Centre Biochemical and genetic characterization of the TEK/TIE-2 signaling pathway | | \$132,466 | | 5 Yr(s) | CSA | |
| STANISZ, Greg J CHENG, Hai-Ling M LOBAUGH, Nancy J MORSHEAD, Cindi M Sunnybrook Health Sciences Centre In-vivo monitoring of neural recovery following stem-cell therapies in an animal model of stroke | | \$149,851 | | 4 Yr(s) | MPI | |
| GOODYER, Paul R The Res. Inst. of the McGill University Health Ctr McGill University PAX2, WNTS, and the pathogenesis of polycystic kidney disease | | \$109,446 | | 3 Yr(s) | EM | |

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|---|-----------------|------------------------------------|-----------|---------|-----------|--------|
| HENDERSON, Janet E The Res. Inst. of the McGill University Health Ctr McGill University Molecular control of skeletal regeneration and repair | HACKING, Adam S | \$144,526 | | 5 Yr(s) | BME | |
| REED, Michael B The Res. Inst. of the McGill University Health Ctr Montreal General Hospital The unique adaptations of the Mycobacterium tuberculosis "beijing" family - not all tuberculosis strains are created equal | | \$96,728 | | 3 Yr(s) | MI | |
| BOURQUE, Charles W The Res. Inst. of the McGill University Health Ctr Role of TRPV channels in the thermal and osmotic control of vasopressin neurons | | \$137,669 | | 5 Yr(s) | NSA | |
| MURAI, Keith The Res. Inst. of the McGill University Health Ctr Neuron-glia mechanisms that regulate synaptic morphology and function | | \$133,188 | | 5 Yr(s) | NSB | |

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|--|---|------------------------------------|-----------|---------|-----------|--------|
| OLIVIER, Martin The Res. Inst. of the McGill University Health Ctr Hemozoin crystal: A metabolic waste responsible for inflammatory-related pathologies developed during malaria infection | BOHLE, David S | \$95,331 | | 3 Yr(s) | CBM | |
| RABBANI, Shafaat A The Res. Inst. of the McGill University Health Ctr Role of urokinase type plasminogen activator (uPA) in tumour invasion and metastasis | | \$118,188 | | 5 Yr(s) | MCC | |
| SALEH, Maya The Res. Inst. of the McGill University Health Ctr Caspase-12, crohn's disease and the inflammasome | | \$93,738 | | 3 Yr(s) | ITB | |
| BRADLEY, Douglas T Toronto Rehab Institute Pathophysiology and treatment of sleep apnea in heart and renal failure | CHAN, Christopher T / FLORAS, John S / PAUL, Narinder S | \$119,814 | | 5 Yr(s) | RS | |

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|---|---|------------------------------------|-----------|-------------------|-----------|---------|
| KONTOS, Pia C Toronto Rehab Institute Embodied selfhood and person-centred dementia care: Exploring an arts-informed educational intervention | BALLON, Bruce C / COTT, Cheryl A / JAGLAL, Susan B / MCGILTON, Katherine S / MITCHELL, Gail J / POLAND, Blake D | \$94,680 | | 2 Yr(s) | SDA | Pending |
| KHOKHA, Rama University Health Network (Toronto) Ontario Cancer Institute (Toronto) Molecular determinants of osteosarcoma | | \$151,702 | | 3 Yr(s) | CBT | |
| LIU, Fei-Fei University Health Network (Toronto) Ontario Cancer Institute (Toronto) Quest for the "stem cell" in nasopharyngeal carcinoma | ALAJEZ, Nehad / BASTIANUTTO, Carlo | \$73,702 | | 1 Yr(s) 6 Mths | CPT | |
| ZHENG, Gang University Health Network (Toronto) Ontario Cancer Institute (Toronto) Near-infrared imaging and photodynamic therapy of prostate cancer using aptamer- directed lipoprotein nanoplatfrom | TRACHTENBERG, John / WILSON, Brian C | \$120,494 | | 3 Yr(s) | CBT | |

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|--|---|------------------------------------|-----------|---------|-----------|--------|
| DAVIS, Karen D University Health Network (Toronto) Toronto Western Hospital Human studies of pain perception | DIAMANT, Nicholas E / TENENBAUM, Howard C | \$127,645 | | 5 Yr(s) | BSC | |
| FEHLINGS, Michael G University Health Network (Toronto) Toronto Western Research Institute (Toronto) Investigation and treatment of traumatic axonal dysfunction after spinal cord injury | | \$114,403 | | 5 Yr(s) | NSB | |
| BARR, Cathy L BOIVIN, Michel DIONNE, Ginette University Health Network (Toronto) Quantitative and molecular genetic analysis of ADHD symptoms in early childhood | PERUSSE, Daniel / ROBAEY, Philippe / SCHACHAR, Russell J / SIMARD, Louise R | \$113,449 | | 3 Yr(s) | BSB | |
| BOMBARDIER, Claire BERNATSKY, Sasha R POPE, Janet E University Health Network (Toronto) A prospective controlled study of the real-world effectiveness of biologic response modifying drugs in adults with rheumatoid arthritis | BOYLE, Jennifer M / CIVIDINO, Alfred A / HUX, Janet E / THORNE, Carter J / TOMLINSON, George A / WELLS, George A | \$80,513 | | 3 Yr(s) | HSR | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| LAM, Tony K University Health Network (Toronto) Metabolic impact of small intestinal nutrient sensing | | \$81,290 | | 3 Yr(s) | M | |
| LEWIS, Gary F University Health Network (Toronto) Determining the mechanism of intestinal and hepatic lipoprotein overproduction in insulin resistance | | \$108,692 | | 5 Yr(s) | M | |
| MEDIN, Jeffrey A University Health Network (Toronto) Enhancement of gene transfer outcomes for fabry disease | | \$112,956 | | 5 Yr(s) | CSC | |
| SCHUH, Andre C University Health Network (Toronto) Elucidation of the role(s) of EVI1 variants in MDS and AML | | \$96,489 | | 3 Yr(s) | CBT | |
| YEUNG, Ivan Wai Tong University Health Network (Toronto) On-line perfusion measurement with contrast enhanced cone-beam CT in radiation therapy | CHO, Young-Bin / DAWSON, Laura A / JAFFRAY, David A | \$54,814 | | 2 Yr(s) | MPI | |

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|---|--|------------------------------------|-----------|-------------------|-----------|--------|
| AUSTIN, Wendy J University of Alberta The experience and resolution of moral distress in paediatric intensive care teams: A Canadian perspective | CARNEVALE, Franco (Frank) A / FRANK, Arthur / GARROS, Daniel | \$48,909 | | 3 Yr(s) | ELH | |
| BEFUS, A. D University of Alberta Expression and functional significance of the cystic fibrosis transmembrane conductance regulator (CFTR) in mast cells | | \$84,902 | | 3 Yr(s) | ITB | |
| CHURCHILL, Thomas A University of Alberta Alleviating intestinal ischemia-reperfusion injury: Application to organ transplantation | BIGAM, David L / MADSEN, Karen L | \$108,696 | | 3 Yr(s) | EM | |
| COUPLAND, Nicholas J University of Alberta Cortisol modulation of prefrontal glutamate- glutamine activity in healthy controls and posttraumatic stress disorder | CHOI, Changho / HEGADOREN, Kathy M / MALYKHIN, Nikolai V | \$84,762 | | 3 Yr(s) 6 Mths | BSB | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| DAVISON, Sara University of Alberta Health and wellness in saddle lake first nation: Promoting self care for the prevention and treatment of Diabetes and kidney failure | CLARK, Alexander M / DAVIS, Caroline E / HARSCH, Dawn M / MAKOKIS, Patricia A | \$52,117 | | 3 Yr(s) | ABH | |
| DYCK, Jason R University of Alberta The involvement of CD36 in the regulation of myocardial metabolism and function | | \$96,070 | | 5 Yr(s) | CSA | |
| ESTABROOKS, Carole Anne University of Alberta Translating research in elder care | CUMMINGS, Greta / DEGNER, Lesley F / DOPSON, Susan / LASCHINGER, Heather / MCGILTON, Katherine S / MORGAN, Debra G / NORTON, Peter G / PROFETTO-MCGRATH, Joanne / RYCROFT- MALONE, Joanne / SALES, Anne E / SMITH, Malcolm C / STEWART, Norma J / TEARE, Gary F | \$946,082 | | 5 Yr(s) | KTE | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| GODBOUT, Roseline University of Alberta Role of disabled-1 in the differentiating retina | | \$107,983 | | 4 Yr(s) | CBM | |
| GUILBERT, Larry J University of Alberta The balance between placental cell death and tissue remodeling in IUGR complicated pregnancies | DAVIDGE, Sandra T / DEMIANCZUK, Nestor N | \$92,490 | | 5 Yr(s) | CIA | |
| HOBMAN, Tom C University of Alberta Analyses of argonaute proteins: Functions in RNA interference and signaling | | \$127,158 | | 5 Yr(s) | CP | |
| HOLMES, Charles F University of Alberta Analysis of cyanobacterial liver toxins in first nations drinking water | | \$100,000 | | 1 Yr(s) | ABH | |
| LIGHT, Peter E University of Alberta Fat metabolism and the control of islet excitability: Implications for Type 2 Diabetes | | \$111,813 | | 3 Yr(s) | M | |

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| LOPASCHUK, Gary D University of Alberta AMP-activated protein kinase effects on the source and fate of protons in the ischemic heart | CLANACHAN, Alexander S | \$99,691 | | 5 Yr(s) | CSB | |
| MASON, Andrew L University of Alberta Isolation of a novel human retrovirus associated with primary biliary cirrhosis and fulfillment of Koch's postulates in vitro | | \$102,305 | | 3 Yr(s) | EM | |
| MICHALAK, Marek S University of Alberta Cardiogenesis of embryonic stem cells | | \$128,508 | | 5 Yr(s) | CSA | |
| MUSHAHWAR, Vivian University of Alberta Intraspinal neuroprosthesis for restoring function after spinal cord injury | ALLEN, Peter S / MCCREERY, Douglas B | \$97,360 | | 3 Yr(s) 6 Mths | BME | |
| SHUAIB, Ashfaq University of Alberta Investigating hyperthermia-induced microvascular damage in the ischemic injured brain | TODD, Kathryn G / WANG, Cheng Xu | \$89,166 | | 5 Yr(s) | PT | |

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|--|---|------------------------------------|-----------|---------|-----------|--------|
| SIMPSON, Scot H JOHNSON, Jeffrey A MAJUMDAR, Sumit R University of Alberta The safety and effectiveness of thiazolidinediones in relation to other oral treatment options for management of Type 2 Diabetes: A population-based analysis | | \$69,497 | | 2 Yr(s) | HSR | |
| TODD, Kathryn G University of Alberta Investigations of microglial-neuronal signaling: Promoting survival signals | | \$92,397 | | 4 Yr(s) | BCA | |
| VANCE, Jean E University of Alberta Lipid transport and metabolism in neurons and glial cells | CAMPENOT, Robert B / VANCE, Dennis E | \$132,520 | | 5 Yr(s) | M | |
| AUSTIN, Jehannine C University of British Columbia B.C. Research Institute for Children's & Women's Health (Vancouver) The MTHFR C677T polymorphism and postpartum mental illness in at-risk women | CORRAL, Maria D / HONER, William G / MISRI, Shaila / OBERLANDER, Timothy F | \$87,782 | | 5 Yr(s) | GSH | |

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|---|--|------------------------------------|-----------|---------|-----------|--------|
| FRIEDMAN, Jan M University of British Columbia B.C. Research Institute for Children's & Women's Health (Vancouver) Recurrent novel copy number variants in children with mental retardation | LANGLOIS, Sylvie F / MICHAUD, Jacques L / ROUSSEAU, François | \$96,709 | | 3 Yr(s) | CHI | |
| LEUNG, Peter C University of British Columbia Child and Family Research Institute Autocrine and paracrine control of ovarian granulosa cell function | | \$119,312 | | 5 Yr(s) | E | |
| LEUNG, Peter C University of British Columbia Child and Family Research Institute Biological actions of GnRH in human implantation and placentation | MACCALMAN, Colin D | \$105,307 | | 5 Yr(s) | CIA | |
| TIBBITS, Glen F University of British Columbia Child and Family Research Institute Ontogeny of myocardial excitation contraction coupling mechanisms | | \$144,016 | | 5 Yr(s) | CSA | |

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|--|----------------------------------|------------------------------------|-----------|---------|-----------|--------|
| HOGG, James C University of British Columbia St. Paul's Hospital, Vancouver Structure and function of the bronchial mucosa | HAYASHI, Shizu | \$68,672 | | 2 Yr(s) | RS | |
| WALLEY, Keith R University of British Columbia St. Paul's Hospital, Vancouver Toll-like receptor signaling in cardiac inflammatory states | | \$122,899 | | 5 Yr(s) | CSB | |
| ANSLEY, David M University of British Columbia PRO-TECT II: Propofol cardioprotection for type II diabetics | CHEN, David D / CHOI, Peter T | \$85,657 | | 3 Yr(s) | PT | |
| AULD, Vanessa J University of British Columbia Analysis of gliotactin function and formation of the tricellular junction | | \$115,543 | | 5 Yr(s) | CBM | |
| CHRISTIE, Brian R University of British Columbia Effects of exercise on structural and functional plasticity in the aging hippocampus | | \$110,131 | | 5 Yr(s) | NSB | |

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|---|--|------------------------------------|-----------|---------|-----------|--------|
| EL-HUSSEINI, Alaa E University of British Columbia Postsynaptic mechanisms that regulate synapse development | | \$133,242 | | 5 Yr(s) | NSB | |
| HANCOCK, Robert Ernest W University of British Columbia Pseudomonas aeruginosa outer membrane proteins and complex adaptations | | \$133,542 | | 5 Yr(s) | MI | |
| HONER, William G University of British Columbia Neural connectivity in schizophrenia | BARR, Alasdair M / BEASLEY, Clare L | \$144,456 | | 5 Yr(s) | BSB | |
| KEELING, Patrick J University of British Columbia Genome reduction and compaction in microsporidian intracellular parasites | | \$100,000 | | 1 Yr(s) | GMX | |
| KOZLOWSKI, Piotr University of British Columbia Combined diffusion and dynamic contrast enhanced MRI for prostate cancer diagnosis | CHANG, Silvia D / GOLDENBERG, Larry / JONES, Edward C / MAEDLER, Burkhard | \$86,355 | | 3 Yr(s) | MPI | |

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|--|--|------------------------------------|-----------|---------|-----------|--------|
| LEFEBVRE, Louis University of British Columbia Developmental regulation of genomic imprinting in the mouse | | \$119,219 | | 3 Yr(s) | DEV | |
| MORGAN, Steven G University of British Columbia Equity in pharmacare: Measuring access to and financing of prescription drugs within and across population subgroups | BARER, Morris L / BLACK, Charlyn / EVANS, Robert G / HURLEY, Jeremiah E | \$78,709 | | 2 Yr(s) | HPM | |
| PARE, Peter D University of British Columbia Genetic and epigenetic determinants of asthmatic epithelial cell Phenotype | KNIGHT, Darryl A / KOBOR, Michael S / SANDFORD, Andrew J | \$110,850 | | 3 Yr(s) | RS | |
| PROUD, Christopher G University of British Columbia Control, function and organisation of the translation initiation factor complex eIF2B, a key regulator of protein synthesis in health and disease | | \$108,700 | | 5 Yr(s) | BMB | |

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|---|--|------------------------------------|-----------|---------|-----------|--------|
| PUTNINS, Edward E University of British Columbia Localization, expression and functional analysis of genes associated with periodontal disease onset and progression | | \$112,389 | | 5 Yr(s) | DS | |
| ROSSI, Fabio M University of British Columbia Role of CD34 in muscle stem/progenitor cell function | | \$107,866 | | 3 Yr(s) | DEV | |
| RUTH, Thomas J University of British Columbia Development of radiotracers based on oligonucleotide labelling | ADAM, Michael J / BENARD, Francois / PERRIN, David M / STOESSL, A. Jonathan | \$114,042 | | 5 Yr(s) | PS | |
| STRYNADKA, Natalie C University of British Columbia Structure-based analysis and inhibition of Type III secretion in pathogenic bacteria | | \$224,300 | | 5 Yr(s) | BMA | |
| TAI, Isabella T University of British Columbia The role of SPARC in chemotherapy sensitization | | \$85,592 | | 3 Yr(s) | CPT | |

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|--|--|------------------------------------|-----------|---------|-----------|--------|
| THOMPSON, Charles J University of British Columbia Studies of the intrinsic mechanisms of multidrug resistance in mycobacteria | | \$117,797 | | 5 Yr(s) | MI | |
| TREMLETT, Helen L University of British Columbia The maMS study. Malignancy and multiple sclerosis: Incidence and impact of beta-interferon treatment | BAJDIK, Christopher D / OGER, Joel J | \$43,457 | | 2 Yr(s) | PUB | |
| WASSERMAN, Wyeth W University of British Columbia Discovery and discrimination of functional clusters of transcription factor binding sites in the human genome | | \$105,502 | | 5 Yr(s) | GMX | |
| WONG, Sabrina University of British Columbia Canadians' perspectives on the quality of primary health care | BLACK, Charlyn / CUTLER, Fred E / HAGGERTY, Jeannie L / WATSON, Diane | \$126,770 | | 2 Yr(s) | HPM | |
| ZILTENER, Hermann J University of British Columbia Role of leukocyte mucins on lymphohemopoietic cells | | \$121,148 | | 4 Yr(s) | ITB | |

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|---|---------------------|------------------------------------|-----------|---------|-----------|--------|
| MCELWEE, Kevin J University of British Columbia Vancouver Coastal Health Research Institute Genetics of alopecia areata | SHAPIRO, Jerry | \$84,503 | | 3 Yr(s) | CIB | |
| WILSON, David R GARBUZ, Donald University of British Columbia Vancouver Coastal Health Research Institute Assessment of biomechanics and early cartilage degeneration at the hip using MRI: Method development and application to femoroacetabular impingement syndrome | MACKAY, Alexander L | \$82,263 | | 3 Yr(s) | BME | |
| BURET, André G University of Calgary Claudins and myosin-light-chain kinase as therapeutic targets for Helicobacter pylori gastritis | | \$80,095 | | 3 Yr(s) | EM | |
| CHACONAS, George University of Calgary Telomere resolution, antigenic variation & DNA dynamics in the Lyme disease spirochete | | \$164,566 | | 5 Yr(s) | BMB | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| COBB, Jennifer A University of Calgary The req helicase sgs1 maintains genomic integrity during replication | | \$114,037 | | 5 Yr(s) | G | |
| DONNELLY, Tam T University of Calgary Contextual factors affecting HIV/AIDS treatment and prevention amongst recent immigrants from endemic countries | LAI, Daniel W / SCHNEE, Paul / WORTHINGTON, Catherine A | \$48,529 | | 2 Yr(s) | PSB | |
| EMERY, Carolyn A University of Calgary The risk of injury associated with body checking among pediatric ice hockey players | BENSON, Brian W / GOULET, Claude / HAGEL, Brent E / MEEUWISSE, Willem H / SHRIER, Ian | \$214,300 | | 2 Yr(s) | CHI | |
| GILES, Wayne R University of Calgary Physiological and pharmacological responses of adult cardiac fibroblasts | | \$105,544 | | 5 Yr(s) | CSA | |
| GRAVEL, Roy A University of Calgary Mouse models of methionine synthase reductase: Abnormalities at the intersection of the folate and methionine cycles | CROSS, James C | \$140,711 | | 5 Yr(s) | G | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| HOLROYD-LEDUC, Jayna M University of Calgary Evaluation of a new evidence-based self- management tool for urinary incontinence | ARMSON, Heather A / DAVIS, David A / SCHMALTZ, Heidi N / STRAUS, Sharon E / TANNENBAUM, Cara / THORPE, Kevin E | \$62,927 | | 2 Yr(s) | KTE | |
| JOHNSTON, Randal N University of Calgary Susceptibility and resistance to reoviral oncolysis | | \$75,118 | | 3 Yr(s) | CBT | |
| KING, Kathryn M University of Calgary Body mass Index, gender, and the decision to undergo coronary artery bypass graft surgery | GHALI, William A / KNUDTSON, Merril L / MAITLAND, Andrew / MATHER, Charles M | \$50,000 | | 3 Yr(s) | HSR | |
| KISS, Zelma T University of Calgary Mechanisms of therapeutic deep brain stimulation (DBS) for dystonia | | \$90,587 | | 4 Yr(s) | MOV | |
| KUBES, Paul University of Calgary Role of cell specific TLR4 in vascular dysfunction associated with lipopolysaccharide | | \$110,388 | | 5 Yr(s) | CSC | |

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|--|-----------------|------------------------------------|-----------|---------|-----------|--------|
| LEE, Ki-Young University of Calgary Cyclin-dependent kinase 5 in sperm flagella formation and function | | \$118,787 | | 5 Yr(s) | CBM | |
| MCGHEE, James D University of Calgary Development of the C. elegans intestine | | \$132,689 | | 5 Yr(s) | DEV | |
| MIDHA, Rajiv University of Calgary Repair of nerve injuries using skin derived precursor stem cells | GORDON, Tessa | \$90,836 | | 3 Yr(s) | NSA | |
| PARNEY, Ian F University of Calgary Immunosuppressive cell networks in malignant glioma patients | | \$84,985 | | 3 Yr(s) | CBT | |
| SCHRIEMER, David C University of Calgary Microtubules and cancer therapy: Defining the mechanistic relationship between synthetic and endogenous regulators of microtubule stabilizers | | \$95,599 | | 3 Yr(s) | CPT | |

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|--|--|------------------------------------|-----------|---------|-----------|--------|
| SHIELL, Alan DOYLE-BAKER, Patricia K SANDALACK, Beverly A University of Calgary EcoEUFORIA: Economic evaluation of using urban form to increase activity | AULD, Matthew C / FRIEDENREICH, Christine M / GILES-CORTI, Billie / SMITHERS, Whitney L | \$197,881 | | 3 Yr(s) | HSR | |
| SLATER, Donna M University of Calgary PGE2 and the EP receptors in the human uterus during pregnancy and parturition | | \$69,876 | | 3 Yr(s) | CIA | |
| TRIGGLE, Christopher R University of Calgary Hyperglycaemia and vascular dysfunction: Studies of potential new therapeutic targets | ANDERSON, Todd J / HOLLENBERG, Morley D | \$97,864 | | 5 Yr(s) | PT | |
| TYBERG, John V University of Calgary Analysis of mitral leaflet motion during the E- wave | SHRIVE, Nigel G / SMALLHORN, Jeffrey F / THOMPSON, Richard B | \$78,685 | | 3 Yr(s) | CSB | |
| VAN DER HOORN, Franciscus A University of Calgary Hybrid protein function and interactions in spermatogenesis | | \$134,548 | | 3 Yr(s) | E | |

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|--|---|------------------------------------|-----------|---------|-----------|--------|
| WEISS, Samuel University of Calgary Neurogenesis by central nervous system stem cells | | \$139,730 | | 5 Yr(s) | NSB | |
| YAN, Jun University of Calgary Cholinergic mechanisms for early development and the learning-induced neural plasticity of the auditory cortex: Role of muscarinic acetylcholine receptor Subtypes | | \$112,515 | | 5 Yr(s) | BSA | |
| BONEN, Arend University of Guelph Role of PGC-1 in exercise-mediated insulin sensitivity | GRAHAM, Terrence E | \$118,081 | | 4 Yr(s) | MOV | |
| KOLB, Bryan E University of Lethbridge (Alberta) Drugs, brain plasticity and behaviour | ROBINSON, Terrance E | \$78,853 | | 5 Yr(s) | BSA | |
| CHIPPERFIELD, Judith G University of Manitoba Health, well-being, and vitality in very late life: The role of everyday physical activity and personal control | MENEC, Verena H / PAYNE, Barbara J / PERRY, Raymond P / RUTHIG, Joelle C | \$59,695 | | 4 Yr(s) | SDA | |

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|--|--|------------------------------------|-----------|---------|-----------|--------|
| CZUBRYT, Michael P University of Manitoba Transcriptional regulators of cardiac metabolic gene expression in hypertrophy and failure | | \$85,534 | | 5 Yr(s) | CSA | |
| GARTNER, John G ELLISON, Cynthia A HAYGLASS, Kent T University of Manitoba Immunoregulatory mechanisms of keratinocyte growth factor in graft-versus-host disease and adaptive immune responses | | \$106,643 | | 5 Yr(s) | ITB | |
| LAUTT, W. Wayne University of Manitoba Abnormal meal-induced insulin sensitization as a cause of cardiovascular disease in aged rats and in sucrose supplemented diets | | \$108,571 | | 3 Yr(s) | CSB | |
| SAREEN, Jitender ELIAS, Brenda D University of Manitoba From risk factors to culturally-sensitive interventions: A programmatic approach to aboriginal suicide | COOK, Catherine L / COX, Brian J / ENNS, Murray W / KATZ, Laurence Y / O'NEIL, John D | \$238,021 | | 5 Yr(s) | ABH | |

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|---|--|------------------------------------|-----------|---------|-----------|--------|
| WOODGATE, Roberta L University of Manitoba An ethnographic study of adolescents' conceptualization of cancer and cancer prevention: Framing cancer and cancer prevention within the life-situations of adolescents | HALAS, Joannie M / SCHULTZ, Annette S | \$84,373 | | 1 Yr(s) | CHI | |
| ALTOSAAR, Illimar University of Ottawa Fate and function of breast milk and recombinant human CD14 at mammary and newborn gastrointestinal mucosal epithelia | BLAIS, David R / MACK, David R | \$70,648 | | 4 Yr(s) | NUT | |
| SCHNEIDER, Barry H ROBAEY, Philippe University of Ottawa A multimethod, longitudinal exploration of the friendship patterns of children with and without attention-deficit/hyperactivity disorder | KUEHN, Sally M | \$56,127 | | 4 Yr(s) | CHI | |
| BURGON, Patrick G University of Ottawa University of Ottawa Heart Institute Cardiac manifestation of laminopathies | | \$97,252 | | 3 Yr(s) | CSA | |

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|--|--|------------------------------------|-----------|---------|-----------|--------|
| MCBRIDE, Heidi M University of Ottawa University of Ottawa Heart Institute Molecular switches and membrane dynamics: Uncovering the mechanisms and function of mitochondrial fusion | SCREATON, Robert A | \$119,992 | | 5 Yr(s) | CP | |
| ROBERTS, Robert University of Ottawa University of Ottawa Heart Institute Genome-wide scan to identify coronary artery disease genes | MCPHERSON, Ruth / STEWART, Alexandre F / WELLS, George A | \$112,312 | | 5 Yr(s) | CSC | |
| MACQUARRIE, Colleen R University of Prince Edward Island (Charlottetown) Discovering the functional meanings of smoking for pregnant adolescents: Prenatal to postpartum transitions | BOSWALL, H. Diane / BRYANTON, Janet A / FLYNN, Billie Jean / GREAVES, Lorraine J / HERBERT, Rosemary J / MCDONALD, Paul W / NORTON, Marilyn R / SMITH, Philip B | \$62,844 | | 3 Yr(s) | GSH | |

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|--|---|------------------------------------|-----------|---------|-----------|--------|
| TAYLOR, Jennifer P VEUGELERS, Paul J University of Prince Edward Island (Charlottetown) A comprehensive evaluation of healthy eating policies in Prince Edward Island elementary schools | GRAY, Robert J / MACLELLAN, Deborah L / MCKENNA, Mary L | \$128,229 | | 5 Yr(s) | NUT | |
| FREYWALD, Andrew University of Regina (Saskatchewan) Functions of ephrin proteins in malignant lymphocytes | | \$97,045 | | 3 Yr(s) | MCC | |
| BAXTER-JONES, Adam D University of Saskatchewan The relationships of adolescent physical development, physical fitness and physical activity to markers of metabolic syndrome at 50 years of age | EISENMANN, Joey C / FAULKNER, Robert A / SHERAR, Lauren B / WHITING, Susan J | \$100,000 | | 1 Yr(s) | POP | |
| ANDERSON, Gerald H University of Toronto Food intake control in children | DE SOUZA, Mary Jane / PENCHARZ, Paul B / THOMAS, Scott G | \$104,219 | | 3 Yr(s) | NUT | |

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|--|-----------------|------------------------------------|-----------|---------|-----------|--------|
| BLENCOWE, Benjamin J University of Toronto Global regulatory features of mammalian alternative splicing | | \$132,801 | | 5 Yr(s) | BMB | |
| BRUBAKER, Patricia L University of Toronto Interactions between glucagon-like peptide-2 and the intestinal insulin-like growth factors in the regulation of intestinal growth | | \$115,902 | | 5 Yr(s) | E | |
| BURNHAM, W. M University of Toronto Anticonvulsant effects of progesterone and its metabolites | | \$80,659 | | 3 Yr(s) | BSA | |
| CHARLTON, Milton P University of Toronto Analysis of transmitter release mechanisms | | \$154,007 | | 5 Yr(s) | NSA | |
| CHOW, Chung-Wai University of Toronto Expression and function of syk in airway epithelial cells | | \$100,000 | | 1 Yr(s) | RS | |

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| DOSTROVSKY, Jonathan O University of Toronto Glial-neuronal interactions in dental nociceptive mechanisms | CHIANG, Chen Yu / SESSLE, Barry J | \$124,797 | | 4 Yr(s) | DS | |
| EMILI, Andrew N University of Toronto E-SGA: Charting bacterial functional networks by systematic genome-scale synthetic lethal screens in E. Coli | GREENBLATT, Jack F / MORENO HAGELSIEB, Gabriel | \$229,752 | | 3 Yr(s) | GMX | |
| FRAPPIER, Lori D University of Toronto Mechanisms of viral DNA segregation | | \$117,992 | | 5 Yr(s) | VVP | |
| GOMMERMAN, Jennifer L University of Toronto Lymphoid micro-architecture and the regulation of T lymphocyte function/homeostasis | | \$136,678 | | 5 Yr(s) | ITA | |
| HARRIS, Tony J University of Toronto Controlling epithelial cell polarity in Drosophila: Regulation of adherens junctions by bazooka/PAR-3 | | \$102,686 | | 4 Yr(s) | DEV | |

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|--|-----------------|------------------------------------|-----------|---------|-----------|--------|
| HORNER, Richard L University of Toronto Control of breathing during sleep: Brainstem mechanisms of respiratory motor control | | \$134,302 | | 5 Yr(s) | RS | |
| HOURY, Walid A University of Toronto The role of molecular chaperones in protein folding and degradation: Analysis of the mechanism of function of chaperone-protease complexes | | \$134,239 | | 5 Yr(s) | CP | |
| KAY, Lewis E University of Toronto Solution NMR studies of the proteasome | | \$173,600 | | 5 Yr(s) | BMA | |
| KAY, Lewis E University of Toronto Seeing the invisible by NMR spectroscopy: Studies of excited protein states | | \$185,500 | | 5 Yr(s) | BMA | |
| LIU, Jun University of Toronto Metabolic deficiency of BCG: A mechanism of attenuation | | \$80,477 | | 3 Yr(s) | MI | |

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| MARTIN, Alberto University of Toronto Biochemical mechanisms of antibody diversification processes | | \$144,766 | | 5 Yr(s) | ITA | |
| MATTHEWS, Jason University of Toronto Interactions of aryl hydrocarbon receptor and oestrogen receptor alpha | | \$97,715 | | 3 Yr(s) | PT | |
| MILLER, Judith A University of Toronto Hemodynamic modulation in type 1 Diabetes Mellitus | CHERNEY, David Z / SOCHETT, Etienne B | \$104,580 | | 5 Yr(s) | CSB | |
| REILLY, Raymond M University of Toronto Targeting the leukemic stem cell for auger electron radiotherapy of acute myelogenous leukemia | BRANDWEIN, Joseph M / MINDEN, Mark D / NITZ, Mark | \$93,410 | | 3 Yr(s) | CPT | |
| RINI, James M University of Toronto Glycosyltransferase structure and mechanism | | \$128,439 | | 5 Yr(s) | BMA | |

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| <p>ROCHON, Elizabeth A BLACK, Sandra E LEONARD, Carol L LEVINE, Brian T University of Toronto The language impairment in progressive aphasia: A longitudinal neuropsychological and imaging study</p> | <p>CHOW, Tiffany W / FREEDMAN, Morris / GRAHAM, Naida L / TANG-WAI, David F</p> | <p>\$102,368</p> | | <p>5 Yr(s)</p> | <p>BCA</p> | |
| <p>STANFORD, William L University of Toronto Sca-1 null mice: A model of age-related osteoporosis</p> | | <p>\$107,225</p> | | <p>5 Yr(s)</p> | <p>DS</p> | |
| <p>VAN DER KOOY, Derek J University of Toronto Cell lineage and brain development</p> | | <p>\$148,048</p> | | <p>5 Yr(s)</p> | <p>NSB</p> | |
| <p>WELLS, Peter G University of Toronto Toxicology of drugs bioactivated to a reactive intermediate</p> | | <p>\$129,433</p> | | <p>5 Yr(s)</p> | <p>PS</p> | |

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|---|-----------------|------------------------------------|-----------|---------|-----------|--------|
| WILLIAMS, David B University of Toronto Functions of the calnexin/calreticulin chaperone system and of ER thiol oxidoreductases in protein folding and quality control | | \$122,537 | | 5 Yr(s) | CP | |
| WINKLBAUER, Rudolf University of Toronto Control of cell migration in the vertebrate gastrula | | \$119,746 | | 5 Yr(s) | DEV | |
| ZANDSTRA, Peter W University of Toronto Engineering and controlling the microenvironment during human embryonic stem cell differentiation for the improved generation of blood progenitors | | \$139,024 | | 5 Yr(s) | BME | |
| BOULANGER, Martin J University of Victoria (British Columbia) Defining the structural basis of surface antigen glycoprotein (SAG) mediated virulence in toxoplasma gondii | | \$84,763 | | 5 Yr(s) | BMA | |

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| Principal Investigators Institution Paid Research Institution* Title | Co-Applicant(s) | Average Annual Operating Amount | Equipment | Term | PRC ** | Status |
|--|-------------------------------------|------------------------------------|-----------|---------|-----------|--------|
| BRODLAND, Gerald W University of Waterloo (Ontario) Homing in on the mechanics of neurulation and neural tube defects (NTDs) | MARSDEN, Mungo | \$52,016 | | 4 Yr(s) | BME | |
| LEWIS, James F University of Western Ontario Lawson Health Research Institute (London, Ontario) The role of surfactant in acute lung injury and progression to multi-organ failure | VELDHUIZEN, Rudolf A | \$132,747 | | 5 Yr(s) | RS | |
| MYMRYK, Joseph S University of Western Ontario London Regional Cancer Centre (Ontario) New targets of the human papillomavirus E7 oncoproteins | | \$105,511 | | 5 Yr(s) | VVP | |
| KOROPATNICK, James University of Western Ontario London Regional Cancer Program Antisense downregulation of thymidylate synthase as an anticancer therapy | BERG, Randal W / VINCENT, Mark D | \$114,194 | | 5 Yr(s) | CBT | |

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|--|---|------------------------------------|-----------|---------|-----------|--------|
| BAI, Donglin University of Western Ontario The role of connexin43 in cardiac function | | \$88,063 | | 1 Yr(s) | CSA | |
| BEIER, Frank University of Western Ontario Regulation of endochondral bone development by glucocorticoid signaling | | \$101,855 | | 3 Yr(s) | CIB | |
| COOLEN, Lique University of Western Ontario Effects of sexual experience on drug responsiveness | | \$125,634 | | 5 Yr(s) | BSA | |
| FORD-GILBOE, Marilyn V VARCOE, Colleen M WUEST, Judith A University of Western Ontario The effects of personal, social and economic resources on physical and mental health of women in the early years after leaving an abusive partner: Waves 3, 4 and 5 | DAVIES, Lorraine E / GURUGE, Sepali / HANKIVSKY, Olena / LENT, Barbara / MACINTOSH, Judith A / MERRITT-GRAY, Marilyn L / SMYE, Victoria L | \$219,923 | | 4 Yr(s) | GSH | |
| HORE, Jonathan University of Western Ontario Cerebellar control of overarm throwing | GRIBBLE, Paul L | \$89,525 | | 3 Yr(s) | MOV | |

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|--|-------------------------------------|------------------------------------|-----------|---------|-----------|--------|
| LAVIOLETTE, Steven R University of Western Ontario Role of the amygdala-prefrontal cortical circuit in opiate motivation, learning and memory | | \$77,337 | | 5 Yr(s) | BSA | |
| LEUNG, Lai-Wo S University of Western Ontario Hippocampal theta oscillations - generation and behavioural functions | RAJAKUMAR, Nagalingam | \$92,935 | | 5 Yr(s) | BSA | |
| VALVANO, Miguel A University of Western Ontario Genetics of lipopolysaccharide assembly in gram-negative bacteria | | \$138,500 | | 5 Yr(s) | MI | |
| HEBERT, Marc Université Laval Centre de recherche Université Laval-Robert- Giffard (QC) Évaluation en milieu de travail d'une stratégie de contrôle des caractéristiques spectrales de l'exposition lumineuse pour faciliter l'adaptation au travail de nuit | BASTIEN, Célyne H / LABERGE, Luc | \$97,745 | | 3 Yr(s) | BSC | |

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|---|-----------------|------------------------------------|-----------|---------|-----------|--------|
| <p>PELLEGRINI, Luca Université Laval Centre de recherche Université Laval-Robert-Giffard (QC) The rhomboid protease PARL, a novel mitochondrial checkpoint of apoptosis: Uncovering the molecular switches and signaling pathways governing its function</p> | | \$91,525 | | 4 Yr(s) | MCC | |
| <p>LEBEL, Michel Université Laval Centre de recherche de L'Hôtel-Dieu de Québec Molecular aging: A mouse molecular model for Werner Syndrome</p> | | \$108,448 | | 5 Yr(s) | BCA | |
| <p>DI PAOLO-CHENEVERT, Thérèse Université Laval Centre hospitalier de l'Université Laval (Québec) Estrogenic drugs for neuroprotection and neuromodulation</p> | | \$100,712 | | 5 Yr(s) | PS | |

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|---|--|------------------------------------|-----------|---------|-----------|--------|
| GUIMONT, Chantal Université Laval Centre hospitalier de l'Université Laval (Québec) Identification des facteurs de risque de re- consulter après avoir été libéré de l'urgence, lors d'un même épisode de bronchiolite | BERNIER, Daniel / D'ANJOU, Anie-Claude / DAIGNEAULT, Patrick / GOUIN, Serge | \$70,440 | | 1 Yr(s) | CHI | |
| OUELLETTE, Marc Université Laval Centre hospitalier de l'Université Laval (Québec) One carbon metabolism in the human parasite Leishmania | | \$126,812 | | 5 Yr(s) | MI | |
| ROUILLARD, Claude CICCHETTI, Francesca LEVESQUE, Daniel Université Laval Centre hospitalier de l'Université Laval (Québec) Cystamine: A potential new approach for neuroprotection in Parkinson's Disease | | \$43,249 | | 1 Yr(s) | PT | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| BISSONNETTE, Elyse Université Laval Hôpital Laval (Québec) Role of alveolar macrophages in allergic asthma | | \$100,000 | | 1 Yr(s) | RS | |
| PICARD, Frédéric Université Laval Hôpital Laval (Québec) Molecular tuning of adipocyte biology by nuclear cofactors upon aging | | \$97,988 | | 3 Yr(s) | BCA | |
| LEGARE, France STACEY, Dawn Université Laval Hôpital Saint-François d'Assise (Québec) Interprofessional approaches to shared decision making in primary care: Advancing theories, frameworks, methods and measurement | ELWYN, Glyn / FROSCHE, Dominick L / GAGNON, Marie-Pierre / GRAHAM, Ian D / HARRISON, Margaret B / PLUYE, Pierre | \$61,283 | | 2 Yr(s) | HPM | |
| BARABÉ, Frédéric Université Laval Role and biology of MLL fusion genes in human leukemias | | \$118,813 | | 5 Yr(s) | MCC | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| BERTHOD, François Université Laval Peau reconstruite par génie tissulaire: optimisation de la récupération tactile in vivo et sa modélisation in vitro | | \$105,004 | | 3 Yr(s) | CIB | |
| BERTHOD, François Université Laval Stratégies de réparation des transections nerveuses à l'aide de biomatériaux | | \$109,204 | | 3 Yr(s) | BME | |
| DORVAL, Michel Université Laval Family communication following BRCA1/2 genetic testing | GODARD, Beatrice / SIMARD, Jacques R | \$84,861 | | 3 Yr(s) | KTE | |
| FORTIER, Michel A Université Laval Evaluation of the contribution of prostaglandins in the regulation of male fertility and genital tract function | LECLERC, Pierre / SULLIVAN, Robert | \$59,173 | | 2 Yr(s) | GSH | |
| HUOT, Jacques Université Laval Role of stress-sensitive pathways in regulating endothelial cell activation and functions | | \$113,642 | | 5 Yr(s) | CSC | |

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|--|---|------------------------------------|-----------|---------|-----------|--------|
| MARETTE, André Université Laval Metabolic functions of the PTPase SHP-1 in insulin target tissues | BEUCHEMIN, Nicole / SIMINOVITCH, Katherine A | \$123,030 | | 5 Yr(s) | M | |
| VERREAULT, René AUBIN, Michèle Université Laval Évaluation d'un programme de soulagement de la douleur auprès des aînés avec difficultés de communication vivant en milieu de soins de longue durée | BEAULIEU, Marie / HADJISTAVROPOULOS, Thomas / KAASALAINEN, Sharon J / LEMAY, Sylvie / SAVOIE, Maryse L / VOYER, Philippe | \$76,359 | | 3 Yr(s) | PLC | |
| VOHL, Marie-Claude Université Laval A study of Candidate genes for obesity-related metabolic complications derived from expression profiling of visceral adipose tissue | DESHAIES, Yves / PÉRUSSE, Louis / TCHERNOF, André | \$166,354 | | 3 Yr(s) | POP | |
| VOHL, Marie-Claude Université Laval Effect of the PPAR-alpha L162V polymorphism on the metabolic response to n-3 polyunsaturated fatty acid supplementation | COUTURE, Patrick / LEMIEUX, Simone | \$70,440 | | 3 Yr(s) | NUT | |

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|--|-----------------|------------------------------------|-----------|---------|-----------|--------|
| ROSE, Christopher Université de Montréal Centre Hosp. de l'Université de Montréal (CHUM) Studies of the role of protein tyrosine nitration in the pathogenesis of encephalopathy in chronic liver failure | | \$67,168 | | 4 Yr(s) | EM | |
| DRAPEAU, Aline Université de Montréal Centre de recherche Fernand-Seguin de l'Hôpital Louis H.- Lafontaine (Mtl) Influence de l'ancrage social sur le comportement et l'attitude des femmes et des hommes par rapport à la maladie mentale. L'exemple de la sous-déclaration du recours aux services psychiatriques dans une enquête populationnelle | BOYER, Richard | \$27,543 | | 2 Yr(s) | GSH | |
| BONNARDEAUX, Alain B Université de Montréal Hôpital Maisonneuve-Rosemont (Montréal) Genetic basis of hypercalciuria | MORGAN, Kenneth | \$134,936 | | 3 Yr(s) | EM | |

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|--|---|------------------------------------|-----------|-------------------|-----------|--------|
| JEMEL, Boutheina Université de Montréal Hôpital Rivière-des-Prairies (Montréal) Interaction between levels of information processing in autism: Cognitive and EEG synchrony studies | BURACK, Jacob A / GOSSELIN, Frédéric / MOTTRON, Laurent | \$74,572 | | 3 Yr(s) 6 Mths | BSB | |
| ANAND-SRIVASTAVA, Madhu B Université de Montréal G proteins and membrane signaling in cardiovascular system | | \$126,336 | | 5 Yr(s) | CSA | |
| ANCUTA, Petronela Université de Montréal Contribution of CCR3 and CCR4 ligands produced by dendritic cells to immune synapse formation and cell-to-cell transmission of human immunodeficiency virus type 1 (HIV-1) | | \$83,766 | | 3 Yr(s) | VVP | |
| BOUVIER, Michel Université de Montréal Role of receptor oligomerization and drug-directed activity in G protein-coupled receptor signaling diversity | | \$144,893 | | 5 Yr(s) | PT | |

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|---|-----------------------|------------------------------------|-----------|---------|-----------|--------|
| D'AMOURS, Damien Université de Montréal Roles of SMC complexes in DNA repair and genome stability | | \$109,002 | | 5 Yr(s) | G | |
| DI POLO, Adriana Université de Montréal Role of acetylcholinesterase inhibitors for neuroprotection in glaucoma: Molecular mechanisms and therapeutic implications | CASANOVA, Christian F | \$100,000 | | 1 Yr(s) | CIA | |
| DI POLO, Adriana Université de Montréal Molecular mechanisms regulating retinal ganglion cell axon regeneration in vivo | | \$96,002 | | 5 Yr(s) | CBM | |
| DREW, Trevor B Université de Montréal Cortical mechanisms contributing to the control of visually-guided locomotion in the cat | | \$121,023 | | 5 Yr(s) | MOV | |

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|---|--|------------------------------------|-----------|---------|-----------|--------|
| DUBOIS, Carl-Ardy D'AMOUR, Danielle Université de Montréal Les modèles d'organisation et d'utilisation des ressources infirmières et leur impact sur les résultats des soins | BENIGERI, Mike / BLAIS, Régis / CLARKE, Sean P / RIVARD, Michèle / TOURANGEAU, Ann Elizabeth | \$95,824 | | 3 Yr(s) | HPM | |
| FERBEYRE, Gerardo Université de Montréal SOCS-1, a novel p53 activator and a senescence regulator | | \$91,821 | | 4 Yr(s) | BCA | |
| LECOMTE, Tania LECLERC, Claude R Université de Montréal Traitement des symptômes psychotiques chez des jeunes présentant un premier épisode de schizophrénie - effets de la thérapie cognitive comportementale de groupe | SPIDEL, Alicia / WOODWARD, Todd S / WYKES, Til | \$81,306 | | 3 Yr(s) | PSB | |
| LIPPÉ, Roger Université de Montréal Molecular analysis of Herpes simplex virus type I egress | | \$109,506 | | 5 Yr(s) | VVP | |

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|---|-----------------|------------------------------------|-----------|---------|-----------|--------|
| MELOCHE, Sylvain Université de Montréal Regulation of the cip/kip family of cyclin- dependent kinase inhibitors in normal and cancer cells | | \$139,941 | | 5 Yr(s) | MCC | |
| ROUX, Philippe Université de Montréal Mitogenic and oncogenic regulation of RSK signaling | | \$102,826 | | 5 Yr(s) | CP | |
| SAUVAGEAU, Guy Université de Montréal Functional genomics to identify stem cell fate determinants | | \$294,711 | | 3 Yr(s) | GMX | |

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|--|--|------------------------------------|-----------|---------|-----------|--------|
| SEGUIN, Louise PARADIS, Gilles Université de Montréal Longitudinal analysis of the Quebec birth cohort: Pathways between early childhood poverty, stress, child health, cardiovascular risk factors and associated secular trends, and resiliency | BARNETT, Tracie A / DANIEL, Mark / DELVIN, Edgard E / GAUVIN, Lise / GRAY-DONALD, Katherine A / HANLEY, James A / LAMBERT, Marie / LEVY, Emile / LOUCKS, Eric B / LUPIEN, Sonia J / LYNCH, John W / MCGRATH, Jennifer J / NEWACHECK, Paul W / NICOLAU, Belinda F / O'LOUGHLIN, Jennifer L / POIRIER, Paul / ZUNZUNEGUI, Maria-Victoria | \$345,049 | | 4 Yr(s) | CHI | |
| SWAINE, Bonnie R Université de Montréal Association between childhood head injury and subsequent suicide | FELDMAN, Debbie / LESAGE, Alain D / ZHANG, Xun | \$55,195 | | 1 Yr(s) | CHI | |
| VARIN, France BEAULIEU, Pierre DROLET, Pierre Université de Montréal Pharmacometrics of local anesthetics during peripheral nerve blocks in experimental and clinical settings | LABBE, Line | \$93,853 | | 1 Yr(s) | PS | |

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|---|---|------------------------------------|-----------|---------|-----------|---------|
| LANG, Ariella Université de Montréal Victorian Order of Nurses for Canada (Ottawa) Safety in home care: Perspectives from clients, family members, caregivers, and providers | COHEN, S. Robin / EASTY, Anthony C / LACHANCE, Julie A / ST- GERMAIN, Daphney / STAJDUHAR, Kelli I / WILLIAMS, Allison M | \$53,237 | | 3 Yr(s) | HSI | Pending |
| ABOU ELELA, Sherif Université de Sherbrooke The mechanism of RNase III dependent post- transcriptional gene regulation / Rôle de la ribonucléase III dans le métabolisme de l'ARN chez les eukaryotes | | \$121,748 | | 5 Yr(s) | BMB | |
| DÉRY, Michèle TOUPIN, Jean VERLAAN, Pierrette Université de Sherbrooke Les troubles de comportement au féminin: Identification à l'école primaire, corrélats, évolution et services | COUTURE, Caroline / PAUZÉ, Robert | \$99,991 | | 3 Yr(s) | GSH | |

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|---|---|------------------------------------|-----------|---------|-----------|--------|
| GALLO-PAYET, Nicole Université de Sherbrooke Rôle et mécanismes d'action de l'hormone ACTH dans la régulation de sécrétion de l'aldostérone et des glucocorticoïdes dans la glande surrénale | | \$126,046 | | 5 Yr(s) | E | |
| LAFONTAINE, Daniel Université de Sherbrooke Structural and functional studies of purine riboswitches. Études structurales et fonctionnelles des riborégulateurs purines | | \$99,545 | | 5 Yr(s) | BMB | |
| STANKOVA, Jana ROLA-PLESZCZYNSKI, Marek Université de Sherbrooke Trafficking of cysteinyl leukotriene receptors | | \$99,270 | | 5 Yr(s) | PT | |
| MERGLER, Donna BOUCHARD, Maryse Université du Québec à Montréal L'exposition au manganèse dans l'eau potable affecte-elle le comportement et les facultés intellectuelles des enfants? | BARBEAU, Benoit / BELLINGER, David C / BOUCHARD, Maryse / BOUFFARD, Thérèse / LARRIBE, Fabrice / LEGRAND, Melissa / LIMOGES, Elyse / WEISSENBERGER, Sebastian | \$154,258 | | 3 Yr(s) | CHI | |

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|--|--|------------------------------------|-----------|---------|-----------|--------|
| COTE, Gilles Université du Québec à Trois-Rivières Institut Philippe Pinel de Montréal Épidémiologie des troubles mentaux, des troubles de la personnalité et de la déficience intellectuelle en milieu carcéral | CROCKER, Anne G / DAIGLE, Marc S / GOBBI, Gabriella / TOUPIN, Jean / TURECKI, Gustavo X | \$195,540 | | 3 Yr(s) | PSB | |
| PRONOVOST, Jocelyne PLOURDE, Chantal Université du Québec à Trois-Rivières Programme d'actions concertées de prévention du suicide, de la toxicomanie et des abus sexuels chez les jeunes atikamekw | ALAIN, Marc | \$100,000 | | 1 Yr(s) | ABH | |

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Peer Review Committees

| PRC | Name |
|-----|---|
| ABH | Aboriginal Peoples' Health |
| BCA | Biological and Clinical Aspects of Aging |
| BMA | Biochemistry & Molecular Biology - A |
| BMB | Biochemistry & Molecular Biology - B |
| BME | Biomedical Engineering |
| BSA | Behavioural Sciences - A |
| BSB | Behavioural Sciences - B |
| BSC | Behavioural Sciences - C |
| CBM | Cell Biology & Mechanisms of Disease |
| CBT | Cancer Biology & Therapeutics |
| CHI | Children's Health |
| CIA | Clinical Investigation - A |
| CIB | Clinical Investigation - B |
| CP | Cell Physiology |
| CPT | Cancer Progression & Therapeutics |
| CSA | Cardiovascular System - A |
| CSB | Cardiovascular System - B |
| CSC | Cardiovascular System - C |
| DEV | Developmental Biology |
| DS | Dental Sciences |
| E | Endocrinology |
| ELH | Health Ethics, Law & Humanities |
| EM | Experimental Medicine |
| G | Genetics |
| GMX | Genomics |
| GSH | Gender, Sex & Health |
| HPM | Health Policy & Systems Management Research |
| HSI | Health Services Evaluation and Interventions Research - B |
| HSR | Health Services Evaluation & Interventions Research - A |
| HUP | Humanities Perspectives on Health |
| ITA | Immunology and Transplantation - A |
| ITB | Immunology and Transplantation - B |

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| | |
|-----|--|
| KTE | Knowledge Translation & Exchange |
| M | Metabolism |
| MCC | Molecular & Cellular Biology of Cancer |
| MI | Microbiology & Infectious Diseases |
| MOV | Movement & Exercise |
| MPI | Medical Physics & Imaging |
| NSA | Neurosciences - A |
| NSB | Neurosciences - B |
| NUT | Nutrition, Food & Health |
| PLC | Palliative & End of Life Care |
| POP | Public, Community & Population Health - A |
| PS | Pharmaceutical Sciences |
| PSB | Psychosocial, Sociocultural & Behavioural Determinants of Health - A |
| PSD | Psychosocial, Sociocultural and Behavioural Determinants of Health - B |
| PT | Pharmacology & Toxicology |
| PUB | Public, Community and Population Health - B |
| RS | Respiratory System |
| SDA | Social Dimensions in Aging |
| VVP | Virology & Viral Pathogenesis |

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