

**Appendix III - Infrastructure investments**  
**Table 3: CFI Investments by research area, University of Guelph, at September 19, 2008**

Program codes: Innovation Fund (IF), New Opportunities Fund (NOF), Leaders Opportunity Fund - Funding for infrastructure associated with a Canada Research Chair (LOF-CRC), Leaders Opportunity Fund - Funding for research infrastructure alone (LOF), Canada Research Chairs Infrastructure Fund (CRC-IF), New Initiatives Fund (NIF), Leading Edge Fund (LEF).

**Research area 3.1 Environment, ecology and biodiversity**

Program	Project Leader	Project Title	Maximum CFI contribution	Final Decision	Research Discipline	Sector (Area of Application)	Area of Application
CRC-IF	Beveridge, Terry	State-of-the-art Atomic Force Microscope facility for elucidation of physical, structural and biogeochemical attributes of prokaryotes	\$140,000	05/23/02	Microbiology	Environment	General and other research on the environment
CRC-IF	de Loe, Robert	Advanced spatial analysis laboratory, and other infrastructure, to support research into rural water management	\$124,931	09/25/01	Geography	Science	Other research
CRC-IF	Hall, Christopher	Selection and maturation of hapten- and protein-specific antibodies (scFv and VhH) using phage- and ribosome-displayed naive libraries: Expression in plants for applications in food safety, animal	\$125,000	01/28/02	Multidisciplinary in NSE	Science	Other research
CRC-IF	Hebert, Paul	Infrastructure for Molecular and Digital Analysis of Biodiversity	\$141,600	09/25/01	Evolution and Ecology	Environment	Protection of species and habitats
CRC-IF	Klironomos, John	Advanced Soil Ecology Analysis Laboratory to Support Research on the Ecology of Soil Organisms from Natural, Managed and Disturbed Ecosystems	\$119,510	06/16/03	Evolution and Ecology	Environment	Protection of species and habitats
CRC-IF	McBean, Edward	Development of vulnerability assessments for water supply systems. Field and laboratory-scale characterizations for failure mechanisms, measurement protocols, redundancy, and surrogate tests.	\$125,000	06/16/03	Environmental Engineering	Engineering	Water supply
CRC-IF	McCann, Kevin	Community and Ecosystem Analysis Laboratory: From Model Ecosystems to Whole Lakes	\$96,169	06/16/03	Evolution and Ecology	Environment	General and other research on the environment
IF	Campbell, John	National Proton Microprobe Facility for Environmental Analysis	\$570,519	07/24/00	Multidisciplinary in NSE	Environment	General and other research on the environment
IF	Dixon, Michael	Biological systems for terrestrial and space applications	\$3,150,000	03/30/99	Plant and Tree Biology	Engineering	Exploration and exploitation of space
IF	Hebert, Paul	Advancing Biodiversity Science Through Institutional Coalitions - The Biodiversity Institute of Ontario and the Atlantic Reference Centre	\$4,919,054	01/28/02	Multidisciplinary	Environment	General and other research on the environment
IF	Husband, Brian	Applied Evolution: The Fusion of Genomics and Ecology	\$4,038,739	03/02/04	Evolution and Ecology	Environment	General and other research on the environment
LOF	Cottenie, Karl	Aquatic Metacommunity Dynamics Laboratory	\$63,099	10/23/07	Evolution and Ecology	Environment	General and other research on the environment
LOF	Gregory, Ryan	Genomic Diversity Laboratory	\$249,586	03/06/07	Evolution and Ecology	Science	Other research
LOF	Habash, Marc	Infrastructure to Assess Microbial Biofilm Contamination of Drinking Water Distribution Systems	\$124,350	10/23/07	Microbiology	Engineering	Water supply
LOF	Lubitz, William	Guelph Wind Engineering Laboratory	\$121,197	03/18/08	Atmospheric Science	Engineering	Renewable energy sources
LOF	Newmaster, Steven	Infrastructure for the study of diversity in cryptic plants and the development of modern molecular taxonomic tools	\$124,120	03/06/07	Evolution and Ecology	Environment	General and other research on the environment
LOF-CRC	Anand, Madhur	From local observations to global models: Infrastructure for studying ecological change	\$122,095	06/20/06	Evolution and Ecology	Environment	General and other research on the environment
LOF-CRC	Eberl, Hermann	Computational Biomathematics Laboratory: workstations and compute server	\$119,014	11/14/06	Applied Mathematics	Environment	Pollution and protection of the environment
NOF	Berg, Aaron	Soil Moisture Observation (SMO) Networks and Computer Facility for Hydrologic Model Development, Data Assimilation, and Satellite Calibration	\$148,436	06/07/05	Hydrology	Engineering	Hydrology - excludes research on: water supplies and disposal (2.6) and water pollution (3.4 and 3.5)
NOF	Bradford, Andrea	Development of Engineering Design Criteria and Urban Watershed Management Systems to Meet Human and Aquatic Ecosystem Needs	\$125,001	03/02/04	Civil Engineering	Environment	Protection of species and habitats
NOF	Caruso, Christina	Infrastructure for Plant Ecological Genetics Research	\$125,001	03/02/04	Evolution and Ecology	Social Science	Education, training, recurrent education and retraining
NOF	Edwards, Grant	Mercury Vapour Analyzer for the Investigation of the air surface exchange of atmospheric mercury	\$42,000	08/06/98	Environmental Engineering	Environment	Protection of ambient air
NOF	Farahbakhsh, Khosrow	Development of tools and technologies for sustainable wastewater reuse.	\$125,000	10/19/04	Environmental Engineering	Engineering	Water supply
NOF	Fu, Jinzhong	Applications of Molecular Phylogenetics in Biodiversity Studies	\$173,693	09/25/01	Evolution and Ecology	Environment	General and other research on the environment
NOF	Gabryelski, Wojciech	Mass spectrometry platform for the comprehensive chemical analysis of complex mixtures in environmental and biological samples	\$176,252	06/07/05	Analytical Chemistry	Environment	Protection of ambient water

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NOF	Gedalof, Ze'Ev	Development of a Paleocology / Paleoclimatology Laboratory	\$127,621	06/07/05	Physical Geography	Environment	General and other research on the environment
NOF	Gharabaghi, Bahram	Development of tools and technologies for water resources management and planning	\$123,613	06/07/05	Environmental Engineering	Engineering	Water supply
NOF	Glasauer, Susan	Integrated facility for studies on microbial ecology, biogeochemistry and bacteria-mineral interactions in soils and sediments, with applications to environmental protection	\$249,370	10/19/04	Soil Science	Environment	Protection of soil and groundwater
NOF	Husband, Brian	Evolutionary significance of polyploidy in eukaryotes	\$390,139	03/07/01	Evolution and Ecology	Social Science	Education, training, recurrent education and retraining
NOF	Maherali, Hafiz	Infrastructure for studies of the genetics, evolution and ecosystem consequences of plant physiological traits	\$125,000	03/02/04	Evolution and Ecology	Environment	General and other research on the environment
NOF	Manderville, Richard	Infrastructure for the Synthesis and Structural Characterization of DNA Adducts	\$125,000	06/07/05	Organic Chemistry	Environment	Pollution and protection of the environment
NOF	Seah, Stephen	Integrated Facility for Functional Characterization of Enzymes: New Biotechnological Applications and Novel Targets for Antimicrobial Compounds.	\$176,663	09/25/01	Biochemistry	Environment	Pollution and protection of the environment
NOF	Van Heyst, Bill	Characterizing and modeling mercury emissions from background soils	\$88,956	10/10/03	Environmental Engineering	Environment	Protection of ambient air
NOF	Warland, Jon	Turbulence and Radiation Profiling Systems for Exchange Studies Inside Plant Canopies	\$72,605	12/05/00	Atmospheric Science	Science	Atmosphere

**Research area 3.2 Agriculture, food and bioproducts**

CFI Career Awards	Marangoni, Alejandro	Powder X-ray Diffraction Unit, Small Deformation Rheometer and Consolidation of Microanalysis Capabilities	\$75,000	06/18/02	Food Science and Technology	Science	Other research
CRC-IF	France, James	Establishment of the Centre for Nutritional Modelling in Animal Production Systems	\$119,966	04/16/03	Animal Biology	Science	Agriculture
CRC-IF	Husband, Brian	Advanced plant population analysis laboratory to support research gene exchange within and among plant populations from natural and agricultural ecosystems	\$73,476	01/03/02	Evolution and Ecology	Science	Agriculture
CRC-IF	King, William Allan	State-of-the-art cloning/transgenesis workstation, Real-time PCR and upgraded image analysis package.	\$125,000	03/02/04	Animal Biology	Science	Agriculture
CRC-IF	Marangoni, Alejandro	Structure-function relationships in food and soft materials	\$145,476	11/13/01	Food Science and Technology	Engineering	Manufacture of food products and beverages
CRC-IF	Mason, Georgia	An integrated laboratory complex for the analysis of animal behavioural biology	\$123,138	06/16/04	Animal Biology	Science	Agriculture
CRC-IF	Yada, Rickey	Facility for the Molecular Understanding of Food Protein Structure-Function Relationships	\$122,068	10/10/03	Food Science and Technology	Engineering	Manufacture of food products and beverages
IF	Forsberg, Cecil	Centre for Animal Technology and Health: Genome Manipulation Laboratory	\$1,000,000	03/30/99	Animal Biology	Science	Agriculture
IF	Gillespie, Terry	New Technologies for Assessing and Enhancing Agroecosystems	\$739,000	10/13/98	Soil Science	Science	Agriculture
IF	Griffiths, Mansel	Creation of the Canadian Research Institute for Food Safety (CRIFS)	\$2,998,242	06/22/99	Food Science and Technology	Engineering	Manufacture of food products and beverages
IF	Pauls, Peter	Agricultural Plant Biotechnology Centre	\$1,600,000	03/30/99	Plant and Tree Biology	Science	Agriculture
IF	Rothstein, Steven	Genes to proteins: advanced macromolecular analysis	\$390,927	03/30/99	Molecular Biology	Science	Agriculture
IF	Van Der Kraak, Glen	Enhancing Fish Performance: From Genes to Populations	\$2,172,444	07/24/00	Animal Biology	Science	Fisheries and aquaculture
IF	Yada, Rickey	Centre for Food and Soft Materials Science	\$2,800,000	06/22/99	Materials Science and Technology	Engineering	Manufacture of food products and beverages
LOF	Brooks, Andrew	Genetic determinants of infectious disease susceptibility in swine	\$115,142	03/06/07	Animal Biology	Science	Agriculture
LOF	Crawford, Stephen	Integrated Digital Concept Mapping for Translation between Aboriginal Traditional Knowledge and Western Science in Resource Management	\$58,144	06/19/07	Evolution and Ecology	Science	Fisheries and aquaculture
LOF	DeVries, Trevor	An integrated animal science laboratory complex for the University of Guelph, Kemptville Campus	\$248,367	03/18/08	Animal Biology	Science	Agriculture
LOF	Hambly, Helen	Enhanced Infrastructure for Multi-Media Information and Communication Research for Rural Development	\$44,013	03/07/06	Urban and Regional Studies, Environmental Studies	Science	Agriculture
LOF	Jordan, Katerina	Integrated program for studies on turfgrass physiology, integrated pest management, and soil microbiology for the purpose of developing environmentally sound urban landscape systems	\$246,945	11/14/06	Plant and Tree Biology	Science	Agriculture
LOF	Mathur, Jaideep	Acquisition of a Confocal Laser scanning microscope for live imaging of subcellular responses to environmental stimuli	\$124,385	03/07/06	Plant and Tree Biology	Science	Agriculture
LOF	Sikkema, Peter	Sustainable Pest Management in Field and Horticultural Crops	\$380,282	06/20/06	Plant and Tree Biology	Science	Agriculture
LOF	Tetlow, Ian	Starch Biology Laboratory	\$123,429	03/06/07	Plant and Tree Biology	Science	Agriculture

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LOF	Van Eerd, Laura	System-Based Approaches to Optimize Nutrient Use Efficiency in the Agro-Ecosystem	\$125,219	03/18/08	Plant and Tree Biology	Science	Agriculture
LOF	Wright, Amanda	Facility for Nutraceutical Encapsulation and Performance Research	\$126,045	06/20/06	Food Science and Technology	Engineering	Manufacture of food products and beverages
LOF-CRC	Corredig, Milena	A set-up for the study of protein-based nanoparticles and their functionality	\$98,911	06/20/06	Food Science and Technology	Science	Agriculture
NOF	Bédécarrats, Grégory	Laboratory for the study of molecular endocrinology and immunology in poultry	\$124,627	03/08/05	Animal Biology	Science	Agriculture
NOF	Bernier, Nicholas	Laboratory for the Molecular Endocrinology and Physiology of Fish	\$132,650	10/08/02	Endocrinology	Science	Fisheries and aquaculture
NOF	Betts, Dean	Infrastructure to Support the Study of Chromatin Remodeling and Nuclear Reprogramming Events during the Development of Cloned Animals	\$124,100	06/18/02	Animal Biology	Science	Agriculture
NOF	Bureau, Dominique	Facilities for Studying Nutrient Utilization by Aquatic Animals	\$126,783	04/30/03	Animal Biology	Science	Fisheries and aquaculture
NOF	Colasanti, Joseph	Development of a Plant Gene Expression Laboratory and Nascent Plant Architecture Informatics Facility	\$124,416	10/10/03	Plant and Tree Biology	Science	Agriculture
NOF	Corredig, Milena	A combined set-up for the study of macromolecular assemblies in creating novel and improved food products	\$146,454	06/16/03	Food Science and Technology	Engineering	Manufacture of food products and beverages
NOF	Corredig, Milena	An integrated set-up for the metabolic profiling of wine lactic acid bacteria and yeast, and the bio-chemical grape and wine characterization.	\$160,014	06/16/04	Microbiology	Engineering	Manufacture of food products and beverages
NOF	Dony, Robert	Intelligent Telerobotics Systems for biomedical, Environmental and food technology engineering	\$131,600	08/06/98	Robotics	Science	Agriculture
NOF	Heck, Richard	Infrastructure for assessing field-scale soil and crop variability and the development of site-specific management practices.	\$596,447	06/19/01	Plant and Tree Biology	Science	Agriculture
NOF	Karrow, Niel	Infrastructure for research in immunogenetics: the neuroendocrine-immune axis and the genetics of disease resistance	\$121,340	04/30/03	Animal Biology	Science	Agriculture
NOF	Lee, Elizabeth	Crop science research for the next millennium: Molecular marker technology in plant breeding and weed science	\$223,600	08/06/98	Genetics	Science	Agriculture
NOF	Li, Julang	System for Targeted Gene Manipulation in Somatic Cells	\$172,998	03/07/01	Molecular Biology	Science	Agriculture
NOF	Lukens, Lewis	Development of an Environmental Genomics Laboratory and Plant Bioinformatics Facility	\$124,788	03/02/04	Plant and Tree Biology	Science	Agriculture
NOF	Lumsden, John	Innate immunity and acute phase response of salmonid fish	\$151,122	04/30/03	Infectious and Parasitic Diseases	Science	Fisheries and aquaculture
NOF	McLaughlin, Robert	From Behaviour to Biodiversity: The Ecological Consequences of Movement in Fishes	\$124,643	03/02/04	Evolution and Ecology	Science	Fisheries and aquaculture
NOF	Meng, Baozhong	Integrated facility for biology and molecular biology of plant viruses, virus diagnosis, and genetic engineering of fruit crops for multiple virus resistance	\$124,373	06/16/03	Agricultural Engineering	Science	Agriculture
NOF	Miller, Stephen	Advanced data acquisition and analysis systems for targeted changes in beef cattle breeding	\$980,908	06/19/01	Animal Biology	Science	Agriculture
NOF	Millman, Suzanne	Infrastructure for the investigation of sickness behaviour in swine	\$65,707	06/16/04	Animal Biology	Science	Agriculture
NOF	Mine, Yoshinori	Molecular Biology and Imaging Equipment	\$95,380	08/06/98	Food Science and Technology	Engineering	Manufacture of food products and beverages
NOF	Petrik, Jim	Infrastructure to Support the Study of the Cellular and Molecular Biology of Reproduction and Reproductive Disorders	\$159,017	01/28/02	Animal Biology	Science	Agriculture
NOF	Purslow, Peter	Manipulation of myoblast and fibroblast cell expression by mechanotransduction	\$107,085	10/19/04	Cell Biology	Science	Agriculture
NOF	Raizada, Manish	Establishment of a Laboratory to Build Large-Scale Transgene-Based Genomics Resources for Corn and Arabidopsis	\$123,462	10/08/02	Molecular Biology	Science	Agriculture
NOF	Subramanian, Jayasankar	Genetic improvement of Prunus species through Plant Biotechnology	\$119,620	03/02/04	Plant and Tree Biology	Science	Agriculture
NOF	Swanson, Kendall	Infrastructure to study the mechanisms regulating nutrient utilization in ruminants	\$124,925	03/08/05	Animal Biology	Science	Agriculture
NOF	Yang, Wanhong	GIS Modeling Laboratory for Agricultural Conservation Management	\$143,822	06/16/03	Geography	Science	Agriculture

**Research area 3.3 Physical and biological structures**

CRC-IF	Lipkowski, Jacek	Infrastructure for surface electrochemistry and electrochemical thin film technology	\$139,916	11/13/01	Analytical Chemistry	Engineering	General and other research on industrial production and technology
IF	Baker, Mark	Electrochemical Technology Center	\$1,212,725	07/24/00	Analytical Chemistry	Engineering	Electronic and related industries
IF	Whitfield, Christopher	Membranes and surfaces in diseases and natural environments - state-of-the-art facilities for biophysical research.	\$7,309,662	03/02/04	Multidisciplinary in NSE	Science	Other research
LEF	Lipkowski, Jacek	Enhancement of infrastructure for bio-electrochemical and soft materials research	\$2,797,041	11/14/06	Physical Chemistry	Science	Other research
LOF	De Kerckhove, Diane	Canada's first state-of-the-art, one micron nuclear microprobe	\$145,795	06/20/06	Condensed Matter Physics	Engineering	Electronic and related industries

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LOF	Garrett, Paul	The Guelph High Efficiency Gamma-Ray Spectrometer for Beta-Decay Experiments	\$149,364	06/20/06	Physics	Science	Other research
LOF	Gregori, Stefano	Laboratory for the Development of New Analog Integrated Circuits and Microsystems	\$135,004	03/07/06	Electrical and Electronic Engineering	Engineering	Electronic and related industries
LOF	Jiang, De-Tong	Laboratory for Organic Layered Material Growth and Synchrotron Radiation-based Structural Studies	\$148,350	06/19/07	Condensed Matter Physics	Engineering	Electronic and related industries
LOF	Lim, Loong-Tak	Research setup for active food packaging systems, biodegradable material forming and food-packaging interaction	\$84,418	06/20/06	Food Science and Technology	Engineering	All other manufacturing products, including wood and paper products
LOF	Mccuaig, Judi	Usability and Testing of Context Aware and Adaptive Systems	\$64,023	03/06/07	Information Technology	Science	Software development
LOF	Nasser, Nidal	Wireless Computing Laboratory	\$114,687	10/23/07	Information Technology	Engineering	Telecommunication systems
LOF	Tremaine, Peter	Raman Spectrometer and High-Pressure Apparatus for Aqueous Chemistry under Sub-Critical and Super-critical Conditions	\$171,330	06/19/07	Physical Chemistry	Engineering	Nuclear fission
LOF-CRC	Dutcher, John	State-of-the-Art Facility for the Characterization of Manipulation of Soft Matter at Interfaces	\$134,379	06/20/06	Condensed Matter Physics	Engineering	Industrial production and technology
NIF	Garrett, Paul	An Innovative Neutron Detector Array for Nuclear Physics Experiments	\$655,914	11/14/06	Physics	Science	Other research
NIF	Kycia, Stefan	The Brockhouse X-Ray Diffraction and Scattering Sector at the Canadian Light Source	\$11,135,002	11/14/06	Condensed Matter Physics	Science	Increasing economic efficiency and competitiveness
NOF	Cojocar, Monica-Gabriela	Department of Mathematics and Statistics at University of Guelph - High Performance Computing Project (MS-HPC)	\$268,996	06/07/05	Applied Mathematics	Science	Increasing economic efficiency and competitiveness
NOF	Eberl, Hermann	Computational Biomathematics Laboratory	\$34,270	03/02/04	Applied Mathematics	Science	Software development
NOF	Fayek, Dalia	QoS IP Traffic Management over Optical Fibre	\$71,657	10/10/03	Electrical and Electronic Engineering	Engineering	Telecommunication systems
NOF	Houmam, Abdelaziz	Spectroanalytical and Spectroelectroanalytical Equipment	\$238,777	01/28/02	Organic Chemistry	Engineering	Manufacture of instruments
NOF	Kycia, Stefan	High Brilliance Small Angle X-Ray Scattering Beamline	\$125,000	06/07/05	Physics	Engineering	Electronic and related industries
NOF	Moussa, Medhat	Infrastructure for research in user-centric intelligent systems and their applications	\$61,211	03/30/99	Artificial Intelligence	Engineering	General and other research on industrial production and technology
NOF	Muresan, Radu	Cryptosystems Security Research Laboratory at the University of Guelph	\$118,542	10/19/04	Electrical and Electronic Engineering	Engineering	Electronic and related industries
NOF	Preuss, Kathryn	Electron paramagnetic resonance spectroscopy for the identification and characterization of molecular materials with magnetic and/or conductive properties.	\$159,655	04/30/03	Inorganic Chemistry	Engineering	Electronic and related industries
NOF	Qin, Xiaorong	Laboratory of Surface Microscopy	\$124,975	06/18/02	Condensed Matter Physics	Engineering	Electronic and related industries
NOF	Svensson, Carl	The Guelph High-Resolution, Position-Sensitive Gamma-Ray Spectrometer	\$320,000	06/18/02	Physics	Science	Other research
NOF	van der Merwe, George	Infrastructure for the comparative proteomics of yeast fermentations.	\$125,001	06/16/04	Microbiology	Engineering	Industrial production and technology

**Research area 3.4 Promoting health and preventing disease**

CRC-IF	Bienzle, Dorothee	Cytometry in Animal Health Research	\$125,000	06/07/05	Multidisciplinary Health Research	Health	General and other medical research
CRC-IF	Bonen, Arend	Molecular Metabolic Research Facility	\$124,650	02/11/03	Metabolism and Nutrition	Health	Health
CRC-IF	Ladizhansky, Vladimir	Equipment for NMR spectrometer upgrade and sample preparation for structural studies of peptides and proteins	\$125,000	03/02/04	Cell Biology	Health	General and other medical research
CRC-IF	Lam, Joseph	State-of-the-art fluorescence microscope system and equipment for analysis of protein structure and function, glycoconjugate biosynthesis, glycosylation of bacterial surface proteins and biofilms.	\$156,004	02/11/03	Microbiology	Health	General and other medical research
CRC-IF	LaMarre, Jonathan	Regulation of gene expression in animal and human tissues: normal and dysfunctional states	\$100,000	10/29/01	Life Sciences Related to Human Health and Disease	Health	General and other medical research
CRC-IF	Parker, Linda	Research infrastructure for Behavioural Neuroscience	\$422,793	03/07/06	Psychology (human and social sciences)	Health	Drug abuse and addiction
CRC-IF	Sharom, Frances	Facility for the Expression, Purification, and Characterization of Membrane Proteins	\$125,000	10/10/03	Biochemistry	Health	General and other medical research
CRC-IF	Whitfield, Christopher	State-of-the-art facilities for research on bacterial gene expression, and the purification, identification, and functional analysis of proteins	\$140,296	09/25/01	Microbiology	Health	General and other medical research

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IF	Griffiths, Mansel	Canadian Research Institute for Food Safety: The Next Phase	\$1,624,924	01/28/02	Life Sciences Related to Human Health and Disease	Health	Health
IF	Leatherland, John	Institute for Animal-Human Links in Health Science Research	\$11,013,494	01/28/02	Life Sciences Related to Human Health and Disease	Health	Medical research, hospital treatment, surgery
LOF	Allen-Vercoe, Emma	Infrastructure for the study of gut microbial communities.	\$197,533	03/07/06	Microbiology	Health	Health
LOF	Armstrong, Carol	Pattern formation in the cerebellum: deciphering the stripes.	\$124,907	03/07/06	Animal Biology	Health	General and other medical research
LOF	Armstrong, John	Presynaptic Modulation of Neurotransmission	\$124,773	03/07/06	Life Sciences Related to Human Health and Disease	Health	General and other medical research
LOF	Bent, Leah	Microneurography facility for the investigation of spinal circuitry in the human related to movement and balance	\$86,529	06/20/06	Life Sciences Related to Human Health and Disease	Health	Health
LOF	Buchholz, Andrea	Infrastructure for establishment of a Body Composition and Energy Metabolism (BCEM) Laboratory.	\$159,594	03/07/06	Metabolism and Nutrition	Health	Health
LOF	Fudge, Douglas	Tissue, Cell, and Protein Dynamics Laboratory	\$252,319	06/20/06	Cell Biology	Health	Biomedical engineering and medicines
LOF	Gordon, Karen	Infrastructure to Support Strain Measurements in Orthopaedic Soft Tissue	\$127,953	11/14/06	Biomedical Engineering	Health	Biomedical engineering and medicines
LOF	Graether, Steffen	Protein Structural Biology Facility	\$250,672	11/14/06	Biochemistry	Health	General and other medical research
LOF	Johnson, Ron	Integrated venous function in chronic heart failure	\$126,828	06/20/06	Cardiology	Health	Health
LOF	Pearl, David	High performance computing laboratory to support research in epidemiology and disease surveillance related to human and animal health	\$75,963	10/23/07	Infectious and Parasitic Diseases	Health	Preventive medicine
LOF	Poma, Roberto	Development of a comparative epilepsy program	\$80,836	03/07/06	Life Sciences Related to Human Health and Disease	Health	Hospital structure and organization of medical care
NOF	Auzanneau, France-Isabelle	Comprehensive infrastructure for the computer-assisted rational design, chemical synthesis and biochemical testing of new carbohydrate-based therapeutics.	\$343,609	06/19/01	Organic Chemistry	Health	Health
NOF	Bartlewski, Pawel	Development of Farm Animal Models for Testing and Amelioration of Hormonal Treatments in Women: Influences on Ovarian Function and Consequences for Fertility	\$117,693	10/18/05	Life Sciences Related to Human Health and Disease	Health	General and other medical research
NOF	Bienzle, Dorothee	Tissue microdissection and analysis for animal health research	\$399,976	03/07/01	Multidisciplinary	Health	General and other medical research
NOF	Boerlin, Patrick	Infrastructure for Population Genetics and Molecular Epidemiology of Veterinary and Zoonotic Pathogens	\$124,802	10/10/03	Infectious and Parasitic Diseases	Health	General and other medical research
NOF	Brown, Leonid	Combined Set-up for Time-Resolved Laser Infrared and Visible Spectroscopy for Biophysical Characterization of Photoactive Proteins	\$198,545	12/19/02	Physics	Health	General and other medical research
NOF	Choleris, Elena	Neurobiology of Social learning in mice and rats: a behavioral, pharmacological and molecular/genetic approach	\$199,125	03/02/04	Psychology (human and social sciences)	Science	Other research
NOF	Coppolino, Marc	Confocal Imaging Station for Analysis of Cell Adhesion and Migration	\$125,052	06/18/02	Cell Biology	Health	General and other medical research
NOF	Dawson, John	Actin purification and biochemical analysis stations for investigating F-actin conformational changes	\$81,794	04/30/03	Biochemistry	Health	Biomedical engineering and medicines
NOF	Kerr, Carolyn	Infrastructure to Support a Comparative Veterinary Respiratory Facility	\$204,206	09/25/01	Respiration	Health	Medical research, hospital treatment, surgery
NOF	Lam, Joseph	Infrastructure for the study of host-pathogen interactions	\$121,296	06/07/05	Infectious and Parasitic Diseases	Health	General and other medical research
NOF	Leri, Francesco	Studies of drug-motivated behavior in rats: intravenous self-administration, place conditioning and locomotor activity	\$148,126	12/19/02	Psychology (human and social sciences)	Health	Drug abuse and addiction
NOF	Meegan, Daniel	Neuromotor rehabilitation research facility	\$33,385	06/18/02	Psychology (natural sciences and engineering)	Health	General and other medical research
NOF	Monteiro, Mario	Carbohydrate Structural Analysis	\$79,448	03/08/05	Organic Chemistry	Health	Biomedical engineering and medicines
NOF	Moorehead, Roger	Examination of Signal Transduction Pathways in Normal Mammary Tissue and Mammary Tumours Using Proteomics and Genomics	\$127,656	01/28/02	Cell Biology	Health	General and other medical research
NOF	Mosser, Dick	A broad-based platform for proteomics studies at the molecular, cellular, and organismal level	\$373,115	09/12/02	Molecular Biology	Health	General and other medical research

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NOF	Oliver, Michele	Palmar impact loading, repetitive strain injuries and joystick dynamics with a human factors approach to joystick design	\$112,355	06/16/03	Industrial Engineering	Health	Preventive medicine
NOF	Pyle, Glen	Integrated investigation of muscle function and intracellular signaling transduction	\$125,336	06/16/03	Cardiology	Health	Medical research, hospital treatment, surgery
NOF	Robinson, Lindsay	Infrastructure for an Integrative Nutritional Sciences and Metabolic Physiology Laboratory: Establishment of a Metabolic Biomarker and Adipokine Facility	\$116,611	03/08/05	Metabolism and Nutrition	Health	Health
NOF	Schlaf, Marcel	Selective Transition Metal Catalyzed Transformations of Unprotected Carbohydrates and Polyols for Polymer and Biomedical Applications	\$154,683	11/30/99	Organic Chemistry	Science	Products of the chemical industry
NOF	Sharif, Shayan	Infrastructure for studies of immunogenetics of host resistance	\$125,863	06/18/02	Animal Biology	Health	General and other medical research
NOF	Trick, Lana	Driving simulator for multi-disciplinary team investigating age differences in driving behaviour and the impact of in-vehicle devices and intelligent transport systems on performance	\$267,890	06/18/02	Multidisciplinary in NSE	Health	General and other medical research
NOF	Turner, Patricia	Genetic and proteomic polymorphisms in innate immunity and susceptibility to immune dysregulation disease in mice	\$82,843	03/02/04	Life Sciences Related to Human Health and Disease	Health	General and other medical research
NOF	Vallis, Lori Ann	Equipment for the study of visio-locomotor control in complex environments across the lifespan	\$77,846	06/16/04	Life Sciences Related to Human Health and Disease	Health	Health
NOF	Warriner, Keith	Ecology, Traceability and Detection of Foodborne Pathogens in Food Production and Processing Chains	\$73,017	10/19/04	Microbiology	Health	Nutrition and food hygiene
NOF	Weese, J Scott	Establishment of an innovative laboratory for the development and testing of veterinary probiotics	\$121,099	06/18/02	Gastro Intestinal Disease	Health	Medical research, hospital treatment, surgery
NOF	Yankulov, Krassimir	Identification of proteins by MALDI-TOF mass-spectroscopy	\$287,697	10/07/99	Molecular Biology	Health	General and other medical research

**Research area 3.5 Cultural transformation and social change**

CRC-IF	Desmarais, Serge	Work and Social Justice Research Laboratory and Equipment Project	\$51,570	01/03/02	Psychology (human and social sciences)	Social Science	Social change, social processes and social conflicts
CRC-IF	Kamboureli, Smaro	To house and establish a media-enhanced setting for the Institute on Critical Studies in Canadian Literature in order to facilitate and produce collaborative research.	\$123,524	06/07/05	Literature	Science	Other research
CRC-IF	McCalla, P Douglas	Digital Resources for the Writing of Canadian Rural History	\$152,764	10/29/01	History	Social Science	Cultural activities
CRC-IF	Smit, Barry	Global Environmental Change Modelling and Analysis Research Laboratory	\$125,000	02/11/03	Geography	Social Science	Social change, social processes and social conflicts
IF	Inwood, Kris	A Public Use Microdata Sample of Households in the 1891 Canadian Census: Quebec, the Maritime Provinces and the West	\$306,429	03/02/04	History	Social Science	Social structures and relationships
LOF	Harley, James	Advanced Digital Audio Production and Performance Studio	\$126,298	03/18/08	Music	Social Science	Cultural activities
LOF	Inwood, Kris	Public use Microdata Samples of the 1871 Census of Canada and the 1871 Census of Scotland	\$250,000	06/19/07	History	Social Science	Social change, social processes and social conflicts
LOF	Stanley, David	Centre for Organizational Studies	\$213,473	11/14/06	Psychology (human and social sciences)	Social Science	Management of businesses and institutions
NOF	Bailey, Heidi	The impact of maternal history of maltreatment on the mother-child attachment relationship and children's socio-emotional development	\$108,674	03/08/05	Psychology (natural sciences and engineering)	Social Science	Social structures and relationships
NOF	Choi, Hwan Suk (Chris)	Studies on behaviour, motivation, and satisfaction of international tourists.	\$60,169	06/07/05	Management, Business, Administrative Studies	Science	Increasing economic efficiency and competitiveness
NOF	Dawson, Myrna	Social and legal responses to violence in Canada	\$93,373	10/19/04	Sociology	Social Science	Social structures and relationships
NOF	Fastwurms	Digital Media Studio ---DMS	\$103,201	10/10/03	Fine Arts	Social Science	Cultural activities
NOF	Plesca, Miana	Computer Intensive Methods For Labor and Applied Welfare Economics	\$70,533	03/08/05	Economics	Social Science	General and other research relating to social structures and relationships
NOF	Safdar, Saba	Studies on cultural, academic, and psychological adaptation of international students	\$97,789	03/02/04	Psychology (human and social sciences)	Social Science	Cultural activities