



## Fonds pour la recherche en Ontario

### Programme d'infrastructure de recherche

## Ontario Research Fund Infrastructure Program

This report summarizes all research infrastructure proposals approved and announced by the Ministry to date, except those that have been declined by the recipient. The information provided below is subject to change. While the Ministry strives for accuracy, discrepancies are possible. Please advise the Ministry of any questions. Descriptions of program types are provided at the end of this report.

Ce rapport résume toutes les propositions d'infrastructure de recherche approuvées et annoncées par le ministère jusqu'à présent, hormis celles qui ont fait l'objet d'un rejet. Les renseignements fournis ci-dessous sont sujets à changement. Si le ministère fait tout son possible pour veiller à l'exactitude de ces renseignements, des erreurs risquent de se produire. Veuillez vous adresser au ministère en cas de questions. Les types de programmes sont décrits à la fin du rapport.

| <i>Institution / Établissement</i> |  |   | <i>Ministry Decision / Décision ministère</i> | <i>Total Costs / Coût total</i> | <i>Max. ORF contribution / Contribution max. du FRO</i> |
|------------------------------------|--|---|---|---------------------------------|---|
| <i>Program / Programme</i>         | <i>Project Title / Titre du projet</i>   | <i>Principal Investigator / Chercheur principal</i> |   |                                 |   |
| <b>Algoma University College</b>   |  |   | <b>Total: 1</b>                               | <b>\$317,775</b>                | <b>\$125,000</b>  |
| CRCIF                              | Molecular Ecology of Insects and their Viral Pathogens   | Cory, Jennifer S.                                   | 24/02/2005                                    | \$317,775                       | \$125,000   |
| <b>Brock University</b>            |  |   | <b>Total: 17</b>                              | <b>\$14,347,108</b>             | <b>\$2,349,160</b>                                      |
| CRCIF                              | The TOPSPACE Lab: A centre for Innovation and Application of 3D Media in the Humanities and Social Sciences      | Bonnett, John                                       | 22/07/2005                                    | \$288,817                       | \$115,576   |
| CRCIF                              | Digital Humanities: Infrastructure for Advanced Pedagogy and "Serious Gaming"                                    | Kee, Kevin  | 24/10/2005                                    | \$93,675                        | \$32,095  |
| IF                                 | Integrated Tools for Biotechnology: Genomic, Proteomic, Metabolomic, Spectroscopic, and Computational Approaches | Bruce, Douglas                                      | 16/12/2004                                    | \$5,372,094                     | \$626,086   |
| IF                                 | Lifespan Development Research Centre   | Segalowitz, Sidney                                  | 16/12/2004                                    | \$6,513,952                     | \$809,160   |
| LOF                                | Excavation of a Mycenaean cemetery at Ayia Sotira, Koutsomadi, deme of Nemea, Korinthia                          | Smith, R. Angus                                     | 21/12/2006                                    | \$22,323                        | \$8,929   |
| LOF                                | Integrated Tools for DNA, RNA and Bioconjugate Synthesis   | Yan, Hongbin  | 31/08/2006                                    | \$193,273                       | \$77,309  |
| LOF-1                              | Facility for Small Molecule Analysis and Quantification  | Deluca, Vincenzo                                    | 11/08/2008                                    | \$233,315                       | \$85,972  |
| LOF-1                              | A neurophysiological investigation of language processing  | Dwivedi, Veena D.                                   | 04/09/2007                                    | \$212,332                       | \$83,875  |
| LOF-1                              | Excavation of an Iron Age Shipwreck at Kekova Adasi, Turkey  | Greene, Elizabeth                                   | 22/04/2008                                    | \$96,168                        | \$34,867  |
| LOF-1                              | The Simulating History Research Lab  | Kee, Kevin  | 22/04/2008                                    | \$116,616                       | \$46,646  |
| LOF-1                              | The Cool Climate Oenology and Viticulture Institute's Consumer Behavioural Research Laboratory                   | Lesschaeve, Isabelle                                | 26/06/2007                                    | \$172,302                       | \$68,920  |
| LOF-1                              | Facilities for organometallic and catalytic research   | Nikonov, G. I.                                      | 15/05/2007                                    | \$146,496                       | \$58,592  |
| LOF-2                              | Thermal Physiology Research Facility   | Cheung, Stephen                                     | 22/04/2008                                    | \$208,911                       | \$82,540  |
| NOF                                | Computational Facility for Asymmetric Catalysis  | Dudding, Travis                                     | 24/10/2005                                    | \$173,924                       | \$35,000  |
| NOF                                | Integrated Tools for the Asymmetric Catalysis Laboratory   | Metallinos, Costa                                   | 24/02/2005                                    | \$146,694                       | \$58,580  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision / Décision ministère</i></b> | <b><i>Total Costs / Coût total</i></b> | <b><i>Max. ORF contribution / Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program / Programme</i></b>         | <b><i>Project Title / Titre du projet</i></b>  | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| NOF                                       | The Impact of Childhood Obesity on Cardiovascular Health: Arterial Stiffness, Baroreflex Sensitivity and Left Ventricular Structure and Function     | O'Leary, Deborah   | 22/07/2005   | \$206,241                              | \$65,023   |
| NOF                                       | Psychological Trait Evolution  | Richardson, Jean   | 24/02/2005   | \$149,975                              | \$59,990   |
| <b><i>Carleton University</i></b>         |  |  | <b><i>Total: 30</i></b>                              | <b><i>\$53,833,578</i></b>             | <b><i>\$12,055,092</i></b>                                     |
| CRCIF                                     | Biomedical and biometric sensors and signal analysis   | Adler, Andy  | 21/12/2006   | \$296,791                              | \$116,438  |
| CRCIF                                     | Digital Sustainable Development Archive  | Meadowcroft, James   | 22/07/2005   | \$442,867                              | \$125,000  |
| EOF                                       | CRYOPIT AT SNOLAB  | Sinclair, David  | 15/05/2007   | \$14,830,000                           | \$5,600,000  |
| IF  | Carleton University Centre For Advanced Studies In Visualization and Simulation (V-SIM)  | Herdman, Chris   | 16/12/2004   | \$28,316,360                           | \$2,311,738  |
| LOF                                       | Fish Ecology and Conservation Physiology Field Laboratory  | Cooke, Steven  | 31/08/2006   | \$284,131                              | \$113,653  |
| LOF                                       | Laboratory for Aptamer Discovery and Development of Emerging applications Research (LADDER)  | DeRosa, Maria  | 21/12/2006   | \$375,295                              | \$120,523  |
| LOF                                       | Carleton Facility for the Study of Plant Metabolism and Development  | Hepworth, Shelley  | 21/12/2006   | \$616,079                              | \$244,199  |
| LOF                                       | Advanced Microscopic and Spectroscopic Facilities to Study Antimicrobial Peptides  | Ianoul, Anatoli  | 31/08/2006   | \$286,868                              | \$114,748  |
| LOF-1                                     | Detector Development, Electronics Infrastructure and Test Laboratory for Inner Detector Upgrade for the ATLAS experiment at CERN                     | Asner, David   | 22/04/2008   | \$302,577                              | \$115,000  |
| LOF-1                                     | Behavioural Acoustic Research Facility   | Bertram, Susan M.  | 04/09/2007   | \$213,803                              | \$85,000   |
| LOF-1                                     | Laboratory for flow visualization studies of insect flight aerodynamics and flapping winged locomotion using biorobotic models.                      | Dawson, Jeffery  | 11/08/2008   | \$291,933                              | \$116,785  |
| LOF-1                                     | Laboratory for Hardware Accelerated Protein Identification for Mass Spectrometry   | Dumontier, Michel  | 22/04/2008   | \$318,764                              | \$114,627  |
| LOF-1                                     | Research and Development of Time Projection Chamber Technology for Neutrino Physics  | Graham, Kevin  | 11/08/2008   | \$303,123                              | \$120,000  |
| LOF-1                                     | Dietary regulation of cognitive function and brain pathology during the lifespan.  | Holahan, Matthew R.  | 04/09/2007   | \$649,353                              | \$250,000  |
| LOF-1                                     | Multi-scale monitoring, manipulation, and modelling of atmospheric carbon exchange in northern environments  | Humphreys, Elyn  | 15/05/2007   | \$243,180                              | \$97,259   |
| LOF-1                                     | New Approaches to the Use of Sulfur Functionality in Asymmetric Organic Synthesis  | Manthorpe, Jeffrey   | 11/08/2008   | \$309,920                              | \$120,000  |
| LOF-1                                     | Comprehensive Aerosol Drug Delivery Investigations   | Matida, Edgar  | 15/05/2007   | \$483,306                              | \$193,252  |
| LOF-1                                     | Environmental Test Pit for Pilot-Scale testing of mine waste management technologies   | Simms, Paul  | 22/04/2008   | \$143,626                              | \$50,634   |
| LOF-2                                     | Stress and well-being  | Anisman, Hymie   | 11/08/2008   | \$204,087                              | \$81,634   |
| LOF-2                                     | Space Robotics Manipulator System  | Ellery, Alex   | 04/09/2007   | \$443,630                              | \$177,427  |
| LOF-2                                     | Facility to Investigate the Fate of Persistence of Pathogens and Chemicals during Wastewater Treatment Processes, and Implications for Public Health | Ormeci, Banu   | 15/05/2007   | \$529,480                              | \$211,489  |
| NOF                                       | Facility for Enzyme Kinetics and Gene Regulation Studies Investigating Sulfur Amino Acid Metabolism  | Aitken, Susan-Marie  | 24/02/2005   | \$507,361                              | \$201,778  |
| NOF                                       | Police Research Laboratory (PRL)   | Bennell, Craig   | 24/02/2005   | \$537,235                              | \$214,212  |

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|---|---|--|--|--|--|
| <b><i>Program / Programme</i></b>         | <b><i>Project Title / Titre du projet</i></b>   | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| NOF                                       | A Functional Genomics Facility to Study the Process of Translation                          | Golshani, Ashkan   | 22/07/2005   | \$444,707                              | \$177,840  |
| NOF                                       | Tunable Diode Laser Spectroscopy for Combustion and Emissions Research                      | Johnson, Matthew   | 24/02/2005   | \$210,670                              | \$84,268   |
| NOF                                       | Centre for Research in Representational Development (CRRD)                                  | Kamawar, Deepthi   | 24/02/2005   | \$496,159                              | \$197,928  |
| NOF                                       | Advanced Concepts Operating Room Research Simulator   | Parush, Avi  | 26/06/2006   | \$201,225                              | \$80,490   |
| NOF                                       | Processes Underlying Criminal Justice Decision-Making                                       | Serin, Ralph   | 24/02/2005   | \$433,270                              | \$173,308  |
| NOF                                       | Genomics of Neurobiological Disease Laboratory for the Analysis of Stress-Related Pathology | Stead, John  | 24/10/2005   | \$643,711                              | \$256,215  |
| NOF                                       | Personality and Well-Being: The Carleton University Happiness Laboratory - CUHL             | Zelenski, John   | 24/02/2005   | \$474,067                              | \$189,647  |

***Centre for Addiction and Mental Health*** ***Total: 1*** ***\$5,500,000*** ***\$2,200,000***

|     |  |                |            |             |             |
|-----|--|----------------|------------|-------------|-------------|
| LEF | FIRN-II. Enhancing the University of Toronto Imaging Research Network - From discovery through treatment, delivering the promise of molecular imaging and advanced image guided therapy. | Houle, Sylvain | 15/03/2007 | \$5,500,000 | \$2,200,000 |
|-----|--|----------------|------------|-------------|-------------|

***Lakehead University*** ***Total: 13*** ***\$9,766,346*** ***\$1,877,692***

|       |   |   |            |             |           |
|-------|---|---|------------|-------------|-----------|
| CRCIF | Lakehead University Electrochemistry Laboratory   | Chen, Aicheng                             | 26/06/2006 | \$312,498   | \$125,000 |
| CRCIF | Understanding Indigenous Storytelling as Expressions of Identity, Community, Culture, and Pedagogy  | Iseke-Barnes, Judy                        | 26/06/2006 | \$232,500   | \$93,000  |
| IF    | Infrastructure for Watershed Integrated Nutrient Study Sites in the Boreal Forest   | Prepas, Ellie                             | 16/12/2004 | \$1,340,752 | \$164,991 |
| IF    | Lakehead University Virtual Centre for Advanced Research in Teaching and Training (LUV CARTT)   | Strasser, Roger                           | 16/12/2004 | \$5,590,730 | \$621,831 |
| LOF-1 | Phase Analysis of Materials Using X-ray Diffraction   | Catalan, Lionel                           | 22/04/2008 | \$346,466   | \$136,526 |
| LOF-1 | Multi-Data Convergence Lab  | Lawson, Alex                              | 04/09/2007 | \$130,629   | \$42,499  |
| LOF-1 | Broadband Communications Networks Laboratory  | Naser, Hassan                             | 15/05/2007 | \$201,408   | \$71,257  |
| LOF-1 | Infrastructure for Lakehead University Green Energy Laboratory (LUGEL)  | Xu, Charles<br>Chunabo; Leitch,<br>Mathew | 15/05/2007 | \$338,783   | \$135,514 |
| NOF   | Collaborative Northern Environmental & Archaeological Research Initiative   | Boyd, Mathew                              | 24/10/2005 | \$200,775   | \$73,493  |
| NOF   | Infra-Red (IR) Spectroscopy and Hydrothermal Experimental Facility  | Conly, Andrew                             | 24/02/2005 | \$341,512   | \$125,913 |
| NOF   | Chromatin architecture, epigenetic, biochemical and molecular approaches for systems biology based investigation of gene expression during development and stress in plant cells. | Law, R. David                             | 24/10/2005 | \$268,573   | \$103,714 |
| NOF   | Laboratory for Particle Science and Technology  | Liao, Baoqiang                            | 24/02/2005 | \$185,164   | \$73,588  |
| NOF   | Laboratory for Intelligent Mechatronic Systems  | Wang, Wilson                              | 24/10/2005 | \$276,556   | \$110,366 |

***Laurentian University*** ***Total: 19*** ***\$3,323,982*** ***\$1,271,981***

|       |   |                   |            |           |           |
|-------|---|-------------------|------------|-----------|-----------|
| CRCIF | Infrastructure for CRC in Precambrian Geology: A microanalytical facility for small-scale study | Kamber Balz S.    | 22/07/2005 | \$588,633 | \$235,453 |
| LOF   | Sediment analysis and paleolimnological laboratory  | Dirszowsky, Randy | 31/08/2006 | \$123,529 | \$49,412  |

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|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF                                       | Pulsed Electron Deposition Facility for Value-Added Advanced Materials Processing  | Henda, Redhouane   | 21/12/2006   | \$320,354                                  | \$85,095   |
| LOF                                       | Mass spectrometer for identification of bioactive natural products   | Montaut, Sabine  | 21/12/2006   | \$192,559                                  | \$73,633   |
| LOF-1                                     | Multidisciplinary Qualitative Research Laboratory  | Coholic, Diana   | 04/09/2007   | \$160,993                                  | \$63,943   |
| LOF-1                                     | A Laboratory for Experimental Petrology and Ore Deposits Research at Laurentian University   | Jugo, Pedro J.   | 11/08/2008   | \$123,238                                  | \$49,295   |
| LOF-1                                     | Laboratory for Molecular, Ecological and Evolutionary Genetics   | Merritt, Thomas  | 22/04/2008   | \$327,944                                  | \$131,178  |
| LOF-1                                     | Gas Chromatograph Mass Spectrometer for Characterization of Xenobiotic Disposition in Skeletal Tissues and Analysis of Complex Environmental Samples                                 | Watterson, James   | 22/04/2008   | \$177,250                                  | \$66,733   |
| LOF-1                                     | Rotational Rheometer System  | Ye, Zhibin   | 15/05/2007   | \$157,608                                  | \$57,420   |
| NOF                                       | A CPU/GPU cluster for real-time dynamic scene analysis and synthesis   | Gong, Minglun  | 22/07/2005   | \$40,260                                   | \$16,080   |
| NOF                                       | Surface Infrared Spectrometer for Characterization of Chemistry at the Liquid/Solid Interfaces   | Gray-Munro, Joy  | 24/02/2005   | \$151,292                                  | \$60,517   |
| NOF                                       | Infrastructure to facilitate conservation genetic studies of amphibian populations.  | Lesbarreres, David   | 24/10/2005   | \$122,620                                  | \$49,048   |
| NOF                                       | Adaptive variation in behavioural and physiological traits at geographic extremes.   | Litzgus, Jacqueline D.   | 24/10/2005   | \$103,184                                  | \$41,273   |
| NOF                                       | Molecular weight determination of well-defined, stimuli-responsive, carbohydrate polymers prepared by living radical polymerization – Triple Detection Gel Permeation Chromatography | Narain, Ravin  | 22/07/2005   | \$121,095                                  | \$48,433   |
| NOF                                       | Server and Related Equipment/Software to Support Rural Health Research.  | Pong, Raymond  | 24/02/2005   | \$62,562                                   | \$25,025   |
| NOF                                       | Equipment to Facilitate Food Web Studies of Boreal Lakes   | Ramcharan, Charles   | 24/02/2005   | \$125,801                                  | \$50,321   |
| NOF                                       | Evolutionary and Behavioural Ecology of Mammals: Individual and Genetic Approaches   | Schulte-Hostedde, Albrecht                                     | 24/02/2005   | \$112,379                                  | \$44,725   |
| NOF                                       | Stopped-flow UV-VIS spectrophotometer/spectrofluorometer system for investigations on the mechanism of anthrax lethal factor and other zinc-dependent metalloproteins.               | Siemann, Stefan  | 26/06/2006   | \$164,002                                  | \$65,601   |
| NOF                                       | Polyolefin Synthesis Facilities  | Ye, Zhibin   | 22/07/2005   | \$148,679                                  | \$58,796   |
| <b><i>McMaster University</i></b>         |  |  | <b><i>Total: 63</i></b>                                  | <b><i>\$85,491,063</i></b>                 | <b><i>\$23,631,924</i></b>   |

|       |  |                      |            |           |           |
|-------|--|----------------------|------------|-----------|-----------|
| CRCIF | Prerequisites for translational research from basic science to the clinic in neuroimmunology   | Arck, Petra          | 31/08/2006 | \$406,854 | \$162,741 |
| CRCIF | Infrastructure for the Canada Research Chair in Musculoskeletal Trauma and Surgical Outcomes   | Bhandari, Mohit      | 24/02/2005 | \$197,024 | \$78,810  |
| CRCIF | Design of Multiple-Input Multiple-Output Wireless Communication Systems  | Davidson, Timothy N. | 24/02/2005 | \$321,298 | \$121,946 |
| CRCIF | Resistance to Antiplatelet Drugs and Cardiovascular Prevention: Laboratory Diagnosis, Mechanisms, Genetic Determinants, and New Treatments | Eikelboom, John      | 24/02/2005 | \$332,252 | \$132,901 |
| CRCIF | Genetic and molecular analysis of development and regulation in multicellular bacteria   | Elliot, Marie        | 22/07/2005 | \$163,048 | \$65,000  |
| CRCIF | Molecular Analysis of the Regulation and Evolution of Gene Networks During Animal Development  | Gupta, Bhagwati      | 24/02/2005 | \$408,427 | \$125,000 |

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|---|---|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| CRCIF                                     | Infrastructure to investigate the role of T lymphocytes in the pathogenesis of allergic asthma and the development of peptide-based vaccines for the treatment of allergic and autoimmune diseases. | Larché, Mark   | 31/08/2006   | \$492,695                                  | \$197,078  |
| CRCIF                                     | STOE IPDS Diffractometer - State-of-the-art Image Plate Single Crystal-X-ray Diffractometer for Investigation of Complex Inorganic Solid-state Materials  | Mozharivskiy, Yuriy  | 21/12/2006   | \$261,369                                  | \$100,000  |
| CRCIF                                     | Establishing a research laboratory to measure acute and chronic airway inflammatory changes in obstructive airway disease   | Nair, Parameswaran   | 26/06/2006   | \$254,731                                  | \$101,892  |
| IF  | Centre for Functional Genomics and Chemical Genetics  | Andrews, David   | 16/12/2004   | \$10,957,882                               | \$1,362,722  |
| IF  | Biological Microbeam for Low Dose Radiobiology Research   | Boreham, Douglas   | 16/12/2004   | \$1,174,624                                | \$145,990  |
| IF  | A National Ultrahigh-Resolution Electron Microscopy Facility for Nanoscale Materials Research   | Botton, Gianluigi  | 16/12/2004   | \$17,847,869                               | \$1,101,176  |
| IF  | Polymer Microscopy  | Hitchcock, Adam  | 16/12/2004   | \$950,688                                  | \$113,312  |
| IF  | Major Equipment for Digital Cinema Research   | Wu, Xiaolin  | 16/12/2004   | \$1,008,801                                | \$109,950  |
| LEF                                       | Canadian Cyberpsychology and Anxiety Virtual Lab  | Bouchard, Stéphane   | 15/03/2007   | \$168,532                                  | \$67,413   |
| LEF                                       | Centre for Microbial Chemical Biology   | Wright, Gerard   | 15/03/2007   | \$20,070,834                               | \$7,824,028  |
| LOF                                       | Equipment for Measuring Biological Responses to Biomaterials  | Jones, Kim   | 31/08/2006   | \$248,476                                  | \$99,331   |
| LOF                                       | Function and Regulation of Myogenic Progenitors during Aging and Exercise   | Parise, Gianni   | 31/08/2006   | \$344,883                                  | \$120,000  |
| LOF                                       | Microfabrication and microfluidic testing facility for plastic/polymer based biomedical devices   | Selvaganapathy, Ponnambalam                                    | 31/08/2006   | \$246,045                                  | \$98,418   |
| LOF                                       | Advanced Structural Control Testing Equipment and Full-Scale Monitoring System  | Tait, Michael  | 31/08/2006   | \$314,686                                  | \$106,334  |
| LOF-1                                     | A new cold water aquatic facility to study the impacts of invasive species on Great Lakes ecosystem health  | Balshine, Sigal  | 15/05/2007   | \$158,683                                  | \$62,000   |
| LOF-1                                     | A Theory Lab for Multi-scale Modeling of Infectious Diseases  | Dushoff, Jonathan  | 11/08/2008   | \$168,208                                  | \$67,284   |
| LOF-1                                     | Time domain optical spectroscopy and imaging for biomedical applications  | Fang, Qiyin  | 15/05/2007   | \$317,103                                  | \$120,000  |
| LOF-1                                     | Advancing the study of human social perception  | Feinberg, David R.   | 11/08/2008   | \$146,607                                  | \$56,932   |
| LOF-1                                     | Laboratory for the Structure of New Materials   | Gaulin, Bruce  | 04/09/2007   | \$946,939                                  | \$363,038  |
| LOF-1                                     | Building the Auditory Brain   | Gillespie, Deda  | 15/05/2007   | \$211,945                                  | \$80,000   |
| LOF-1                                     | Free-Space Optical Communications Algorithms Laboratory   | Hranilovic, Steve  | 26/06/2007   | \$259,216                                  | \$100,000  |
| LOF-1                                     | Biomechanics of musculoskeletal system at tissue and cellular levels  | Kasra, Mehran  | 15/05/2007   | \$246,134                                  | \$98,372   |
| LOF-1                                     | Digital Human Modeling and Simulation In Occupational Biomechanics and Ergonomics   | Keir, Peter  | 11/08/2008   | \$581,082                                  | \$225,000  |
| LOF-1                                     | Molecular Basis for the Progression of Chronic Kidney Disease   | Krepinsky, Joan  | 15/05/2007   | \$333,007                                  | \$133,203  |
| LOF-1                                     | Visual Design and Analysis Laboratory   | Maibaum, Thomas  | 26/06/2007   | \$257,539                                  | \$100,000  |
| LOF-1                                     | Infrastructure to assess the impact of environmental microbiota on development of the immune system in health and disease   | McCoy, Kathy   | 26/06/2007   | \$691,164                                  | \$276,466  |
| LOF-1                                     | Multi-Phase Flow Diagnostic Equipment for Flow Measurement of Critical Flows in Fossil and Nuclear Power Plants-Phase Doppler Anemometer  | Novog, David R.  | 04/09/2007   | \$267,740                                  | \$106,313  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-1                                     | Robotic test bed for soft tissue image guided medical interventions research   | Patriciu, Alexandru  | 22/04/2008   | \$173,293                                  | \$69,317   |
| LOF-1                                     | Mechanisms underlying food intolerance in functional gut disorders   | Verdu, Elena   | 22/04/2008   | \$336,152                                  | \$134,461  |
| LOF-1                                     | A new environmental toxicology laboratory and zebrafish facility to study the impacts of contaminants on vertebrate aquatic species.                       | Wilson, Joanna   | 26/06/2007   | \$277,976                                  | \$100,000  |
| LOF-1                                     | Infrastructure for the Development and Characterization of Advanced Functionally Graded Materials  | Zurob, Hatem   | 15/05/2007   | \$179,823                                  | \$71,929   |
| LOF-2                                     | Spectroscopic analysis of membrane protein interactions  | Andrews, David   | 22/04/2008   | \$236,014                                  | \$90,676   |
| LOF-2                                     | Laboratory for Human Motor Control Neuroscience  | Balasubramaniam, Ramesh  | 11/08/2008   | \$723,239                                  | \$284,596  |
| LOF-2                                     | Infrastructure to quantitatively analyze and prospectively isolate human stem cell populations   | Bhatia, Mick   | 15/05/2007   | \$971,236                                  | \$388,494  |
| LOF-2                                     | Infrastructure for Investigating Cell Signaling Targets of GSK-3 In Vitro and In Vivo  | Doble, Bradley   | 26/06/2007   | \$574,587                                  | \$229,834  |
| LOF-2                                     | Microwave Imaging Experimental Facility  | Nikolova, Natalia K.   | 11/08/2008   | \$287,840                                  | \$111,391  |
| LOF-2                                     | Infrastructure for a Brain Tumor Initiating Cell Laboratory  | Singh, Sheila  | 22/04/2008   | \$726,744                                  | \$290,365  |
| LOF-2                                     | Epigenetic control of human stem cells   | Wynder, Christopher  | 22/04/2008   | \$420,760                                  | \$167,407  |
| NIF                                       | Micro- and Nano-Systems Laboratory   | Deen, Jamal  | 15/03/2007   | \$10,652,938                               | \$4,256,725  |
| NIF                                       | Systems biology center of host-intestinal bacterial relationships in health and disease  | MacPherson, Andrew   | 15/03/2007   | \$4,131,884                                | \$1,614,154  |
| NOF                                       | Comprehensive analyses of low abundance metabolites by capillary electrophoresis-mass spectrometry   | Britz-McKibbin, Philip   | 24/02/2005   | \$211,841                                  | \$80,000   |
| NOF                                       | Cognitive Ecology Laboratory   | Dukas, Reuven  | 24/02/2005   | \$300,000                                  | \$120,000  |
| NOF                                       | Research facility for inert-atmosphere synthesis and electrochemistry  | Emslie, David J. H.  | 24/02/2005   | \$201,573                                  | \$80,000   |
| NOF                                       | Infrastructure for Research on Biodiversity and Gene Duplication   | Evans, Ben   | 24/10/2005   | \$206,567                                  | \$80,000   |
| NOF                                       | Laboratory of Auditory Physiology and Behavioural Neuroscience   | Faure, Paul  | 24/10/2005   | \$311,444                                  | \$100,000  |
| NOF                                       | Analysis of immune gene regulation in animal models of psychiatric illness   | Foster, Jane   | 22/07/2005   | \$237,289                                  | \$94,915   |
| NOF                                       | Molecular Mechanisms of Allergic Airway Inflammation   | Gauvreau, Gail   | 24/02/2005   | \$212,067                                  | \$80,000   |
| NOF                                       | Structural and Functional studies of DNA replication and repair proteins   | Guarné, Alba   | 24/02/2005   | \$281,273                                  | \$112,509  |
| NOF                                       | Fetal origins of child and adult disease: the role of environmental toxicants  | Holloway, Alison   | 24/02/2005   | \$145,098                                  | \$56,326   |
| NOF                                       | Establishment of a biosafety level 2 animal facility for investigation of chronic inflammation and pulmonary fibrosis                                      | Kolb, Martin   | 24/02/2005   | \$309,571                                  | \$123,829  |
| NOF                                       | Infrastructure for an Integrative and Molecular Physiology Program Examining the Regulation of Metabolism in Response to Environmental Stress and Exercise | McClelland, Grant Bryce  | 24/02/2005   | \$302,390                                  | \$120,000  |
| NOF                                       | A Mass Spectrometry System for the Determination of Protein Complexes, Structures and Modifications.   | McGibbon, Graham   | 22/07/2005   | \$707,869                                  | \$170,000  |
| NOF                                       | High-field Biomolecular Nuclear Magnetic Resonance at McMaster University  | Melacini, Giuseppe   | 24/02/2005   | \$577,815                                  | \$170,000  |
| NOF                                       | Laboratory for Interdisciplinary Research on Archaeological Ceramics   | Michelaki, Kostalena   | 24/10/2005   | \$212,543                                  | \$83,702   |

| <b><i>Institution / Établissement</i></b> |   |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|---|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| NOF                                       | Cryo-electron microscopy studies on proteases involved in the cell protein quality control system.  | Ortega, Joaquin  | 24/02/2005   | \$271,410                                  | \$108,564  |
| NOF                                       | A Molecular Analysis of Intracellular Signal Transduction in Cancer Progression   | Persad, Sujata   | 24/02/2005   | \$250,597                                  | \$100,080  |
| NOF                                       | Facility for Studies of Optical Self-trapping in Photochemical Systems  | Saravanamuttu, Kalaichelvi                                     | 22/07/2005   | \$302,845                                  | \$120,000  |
| <b><i>Mount Sinai Hospital</i></b>        |   |  | <b><i>Total: 1</i></b>                                   | <b><i>\$15,119,321</i></b>                 | <b><i>\$1,880,239</i></b>  |
| IF  | A Program in Integrated Systems Biology - complex relationships and common patterns governing biological networks at Samuel Lunenfeld Institute                               | Pawson, Anthony  | 16/12/2004   | \$15,119,321                               | \$1,880,239  |
| <b><i>Nipissing University</i></b>        |   |  | <b><i>Total: 2</i></b>                                   | <b><i>\$1,806,188</i></b>                  | <b><i>\$523,354</i></b>  |
| NOF                                       | Plant Growth and Imaging Facilities at Nipissing University   | Cholewa, Ewa   | 24/10/2005   | \$1,618,420                                | \$448,247  |
| NOF                                       | Reactive Oxygen Metabolism, Gene Expression and Aging   | Parkes, Tony   | 24/02/2005   | \$187,768                                  | \$75,107   |
| <b><i>Queen's University</i></b>          |   |  | <b><i>Total: 72</i></b>                                  | <b><i>\$102,698,380</i></b>                | <b><i>\$23,734,287</i></b>   |
| CRCIF                                     | Rational design of novel anti-cancer agents using structural and functional information of the interaction between natural product small molecules and their protein targets. | Allingham, John  | 21/12/2006   | \$1,371,973                                | \$549,189  |
| CRCIF                                     | Development of noble liquid particle astrophysics detectors and solar neutrino studies.   | Boulay, Mark Guy   | 24/10/2005   | \$500,000                                  | \$200,000  |
| CRCIF                                     | Aquatic Ecosystems Health Laboratory  | Campbell, Linda  | 24/10/2005   | \$498,500                                  | \$199,400  |
| CRCIF                                     | Connecting Microscale and Macroscale Deformation  | Daymond, Mark R.   | 24/02/2005   | \$312,500                                  | \$125,000  |
| CRCIF                                     | Integrative approaches to vision research: molecular vision, retinal development, retinal information processing, visually-guided behaviour and biodiversity.                 | Hawryshyn, Craig   | 26/06/2006   | \$575,000                                  | \$230,000  |
| CRCIF                                     | Protein purification and structure characterization facility  | Jia, Zongchao  | 24/10/2005   | \$80,000                                   | \$32,000   |
| CRCIF                                     | Social Cognitive Development Research Facility  | Kulhmeier, Valerie   | 24/02/2005   | \$100,000                                  | \$40,000   |
| CRCIF                                     | Multi-faceted approach to chiral photonic research: nonlinear chiroptical microscopy, self-assembly and surface science, chiroptical and magneto-chiral devices               | Nunzi, Jean-Michel   | 31/08/2006   | \$554,000                                  | \$221,600  |
| CRCIF                                     | Bioorganic and Physical Organic Research Laboratory   | Pratt, Derek   | 22/07/2005   | \$500,000                                  | \$200,000  |
| CRCIF                                     | Dark Matter search with cryogenic detectors : contributions to CDMS and SuperCDMS   | Rau, Wolfgang  | 21/12/2006   | \$480,000                                  | \$192,000  |
| CRCIF                                     | Laboratory Instruments and Field Equipment to Examine Land-Use Change Effects on Carbon and Nitrogen Cycling in Canadian Ecosystems   | Scott, Neal  | 22/07/2005   | \$420,000                                  | \$168,000  |
| CRCIF                                     | Engineering of Synovial Joint Tissues   | Waldman, Stephen   | 24/02/2005   | \$312,500                                  | \$125,000  |
| IF  | Mobile Laboratories for Clinical, Behavioural and Genetic Subgrouping of Families with Autism Spectrum Disorders and Developmental Disabilities                               | Holden, Jeanette   | 16/12/2004   | \$2,871,206                                | \$357,063  |
| IF  | A Secure Multidisciplinary High Performance Computing Virtual Laboratory for Innovative Research.   | Mewhort, Douglas   | 16/12/2004   | \$49,496,033                               | \$3,990,849  |
| IF  | Ensuring Performance of Geosynthetics Under Extreme Environmental Conditions  | Rowe, R Kerry  | 16/12/2004   | \$1,650,121                                | \$205,209  |
| LEF                                       | Development of New Assessment Tools for Evaluation of Brain Function and Dysfunction  | Munoz, Douglas   | 15/03/2007   | \$17,525,705                               | \$7,010,282  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF                                       | Integrating Basic and Translational Cancer Research Through Studies of the DNA Damage Response   | Davey, Scott   | 21/12/2006   | \$544,400                                  | \$217,760  |
| LOF                                       | Facility for research on the neural basis of the affective component of pain   | Dumont, Eric   | 31/08/2006   | \$300,000                                  | \$120,000  |
| LOF                                       | Adolescent Socioemotional Development Laboratory   | Hollenstein, Tom   | 31/08/2006   | \$137,425                                  | \$54,970   |
| LOF                                       | Nanophotonics Computer Cluster: Physics and Applications of Photonic Nanostructures  | Hughes, Stephen  | 31/08/2006   | \$412,500                                  | \$165,000  |
| LOF                                       | Multidisciplinary Analysis and Design of Innovative Biomechanical and Automotive Systems   | Kim, Il-Yong   | 21/12/2006   | \$441,523                                  | \$100,000  |
| LOF                                       | Infrastructure for MEMS/NEMS dynamic testing   | Lai, Yongjun   | 31/08/2006   | \$517,407                                  | \$206,962  |
| LOF                                       | Delineating the mechanisms of microvascular dysfunction during gastrointestinal disease  | Lomax, Alan  | 21/12/2006   | \$200,000                                  | \$80,000   |
| LOF-1                                     | Advanced Phenomics of Experimental Cardiovascular Conditions and Treatments  | Adams, Michael   | 22/04/2008   | \$402,553                                  | \$161,021  |
| LOF-1                                     | Biomimetic Materials for Tissue Engineering and Regeneration   | Amsden, Brian  | 22/04/2008   | \$959,624                                  | \$383,849  |
| LOF-1                                     | Molecular Biology of Herpesvirus-Cell Interactions   | Banfield, Bruce  | 22/04/2008   | \$400,000                                  | \$160,000  |
| LOF-1                                     | An integrated approach to lake dynamics: Protecting Canada's aquatic resources   | Boegman, Leon  | 26/06/2007   | \$625,000                                  | \$250,000  |
| LOF-1                                     | DEAP/CLEAN: Dark Matter Particle Search with Liquid Argon  | Boulay, Mark   | 04/09/2007   | \$1,004,560                                | \$401,391  |
| LOF-1                                     | Perceptual and Cognitive Processing of Complex, Real-World Scenes  | Castelhano, Monica   | 11/08/2008   | \$245,100                                  | \$98,040   |
| LOF-1                                     | High resolution three dimensional imaging of the structure of materials during in situ deformation   | Daymond, Mark  | 22/04/2008   | \$937,010                                  | \$374,804  |
| LOF-1                                     | Human Motion Performance Laboratory  | Deluzio, Kevin   | 22/04/2008   | \$875,000                                  | \$350,000  |
| LOF-1                                     | Preclinical testing of novel therapies for cardiovascular disease and cancer   | Funk, Colin  | 22/04/2008   | \$596,828                                  | \$238,731  |
| LOF-1                                     | Dysregulation of cytokine expression in HIV pathogenesis   | Gee, Katrina   | 04/09/2007   | \$440,000                                  | \$176,000  |
| LOF-1                                     | Development of an empirical software engineering facility capable of mining software repositories for large long lived industrial and open source projects | Hassan, Ahmed E.   | 11/08/2008   | \$318,425                                  | \$100,000  |
| LOF-1                                     | Confocal Microscope for Biological Imaging   | Hawryshyn, Craig   | 22/04/2008   | \$755,701                                  | \$302,250  |
| LOF-1                                     | Perceptual, Social and Cognitive Development in Autism   | Kelley, Elizabeth  | 26/06/2007   | \$91,000                                   | \$36,400   |
| LOF-1                                     | Tracing elements in natural systems  | Kyser, Kurt  | 22/04/2008   | \$784,757                                  | \$313,903  |
| LOF-1                                     | Centre for Chiral Catalysis (CCUBED)   | Lemieux, Robert  | 11/08/2008   | \$736,232                                  | \$294,493  |
| LOF-1                                     | Pharmacoepidemiology and Economics Research Unit (PERU)  | Levesque, Linda  | 04/09/2007   | \$1,197,815                                | \$438,556  |
| LOF-1                                     | Ultimate Strength of Buried Infrastructure   | Moore, Ian   | 22/04/2008   | \$592,022                                  | \$236,809  |
| LOF-1                                     | 600 MHz biomolecular NMR instrument for studies of protein-ligand interactions related to human health and biotechnology                                   | Smith, Steven  | 15/05/2007   | \$546,047                                  | \$218,419  |
| LOF-1                                     | Studies of Novel Semiconductor Spintronics Based on Surface Acoustic Waves   | Stotz, James   | 15/05/2007   | \$650,000                                  | \$260,000  |
| LOF-1                                     | A Therapeutic Approach for the Treatment of Melanoma using RNA interference (RNAi)   | Tron, Victor   | 22/04/2008   | \$415,845                                  | \$96,339   |
| LOF-1                                     | Advanced Input and Display Techniques for Transparent Computing Technologies   | Vertegaal, Roel  | 22/04/2008   | \$994,431                                  | \$397,773  |

| <b><i>Institution / Établissement</i></b> |   |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|---|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-1                                     | Behavioural Properties and Cortical Mechanisms of Cognitive Control   | Wilson, Dayrl  | 26/06/2007   | \$287,500                                  | \$115,000  |
| LOF-2                                     | Behavioural Pain Assessment Workstation   | Cahill, Catherine  | 22/04/2008   | \$61,771                                   | \$24,707   |
| LOF-2                                     | Large-memory computers for calculating spectra and rate constants by solving the Schroedinger equation  | Carrington, Tucker   | 04/09/2007   | \$187,500                                  | \$75,000   |
| LOF-2                                     | The ecology of arctic ecosystems and their sensitivity to climate change  | Grogan, Paul   | 11/08/2008   | \$125,000                                  | \$50,000   |
| LOF-2                                     | Innovation in the Manufacturing of Polymers   | McKenna, Timothy   | 04/09/2007   | \$625,000                                  | \$250,000  |
| LOF-2                                     | Overcoming the Barriers to Realising the Full Economic and Environmental Benefit of Fuel Cells for Canada   | Peppley, Brant   | 15/05/2007   | \$514,799                                  | \$205,920  |
| LOF-2                                     | Computational Turbulence Research   | Piomelli, Ugo  | 22/04/2008   | \$312,500                                  | \$125,000  |
| NIF                                       | Canadian Centre for Health and Safety in Agriculture: National Agricultural Industrial Hygiene Laboratory - A world leader linking agricultural/rural exposures to human health (Centre National Lab) Univ Sask | Pickett, William   | 15/03/2007   | \$82,524                                   | \$33,010   |
| NOF                                       | Presentation of virus antigens and the induction of host immunity   | Basta, Sameh   | 24/10/2005   | \$300,000                                  | \$120,000  |
| NOF                                       | Role of Vagal Afferents in Nutrient Signalling in Health and Disease  | Beyak, Michael   | 24/10/2005   | \$312,500                                  | \$125,000  |
| NOF                                       | Characterization of Innovative Infrastructure Materials and Assemblies at Extreme Temperatures  | Bisby, Luke A.   | 22/07/2005   | \$261,161                                  | \$104,468  |
| NOF                                       | Integrative facility for the development of novel animal models of atherothrombotic disease   | Boffa, Michael   | 26/06/2006   | \$150,000                                  | \$60,000   |
| NOF                                       | Developmental Psycholinguistics Research Facility   | Fitneva, Stanka  | 24/02/2005   | \$200,000                                  | \$80,000   |
| NOF                                       | Nanostructure ultrafast laser laboratory  | Fraser, James M.   | 24/10/2005   | \$589,800                                  | \$235,920  |
| NOF                                       | Gastrointestinal Epithelial Response to Allergy: Cellular and Molecular Mechanisms  | Justinich, Christopher   | 24/02/2005   | \$150,000                                  | \$60,000   |
| NOF                                       | Cold Regions Biogeochemical Research  | Lafreniere, Melissa  | 24/10/2005   | \$320,000                                  | \$128,000  |
| NOF                                       | Novel methods to assess bone quality in vivo and determine critical factors associated with bone and joint health   | MacIntyre, Norma   | 24/02/2005   | \$136,000                                  | \$54,400   |
| NOF                                       | Biochemical and molecular mechanisms of peroxisome proliferators-activated receptors (PPARs) –mediated influence on carcinogenesis  | Nicol, Christopher   | 26/06/2006   | \$850,000                                  | \$340,000  |
| NOF                                       | Shape control: From DNA damage recognition and repair to self-assembled artificial ion channels   | Petitjean, Anne  | 24/10/2005   | \$380,000                                  | \$152,000  |
| NOF                                       | Sexual Health Research Facility   | Pukall, Caroline   | 24/10/2005   | \$160,000                                  | \$64,000   |
| NOF                                       | A Platform for Wireless Ad hoc and Sensor Networks  | Safwat, Ahmed M.   | 24/10/2005   | \$375,000                                  | \$150,000  |
| NOF                                       | Data-Intensive Research in Biomedical Computing   | Shatkay, Hagit & Mousavi, Parvin                               | 22/07/2005   | \$550,000                                  | \$220,000  |
| NOF                                       | Malleable, Cost-effective, High-performance Computing Systems   | Sudharsanan, Subramania & Shang, Li                            | 22/07/2005   | \$441,005                                  | \$100,000  |
| NOF                                       | Investigation of soil slope instability processes   | Take, W.A.   | 24/10/2005   | \$625,000                                  | \$250,000  |
| NOF                                       | Laboratory for Last-mile Photonics Networking Technologies  | Yam, Scott   | 24/10/2005   | \$500,000                                  | \$200,000  |
| NOF                                       | Molecular and Cellular Function of Tumor Suppressor Genes   | Yang, Xiaolong   | 24/02/2005   | \$250,577                                  | \$100,000  |
| NOF                                       | Enzyme Mechanisms and Protein Engineering   | Zechel, David  | 24/02/2005   | \$312,000                                  | \$124,800  |

| <b><i>Institution / Établissement</i></b>      |   |  | <b><i>Ministry Decision / Décision ministère</i></b> | <b><i>Total Costs / Coût total</i></b> | <b><i>Max. ORF contribution / Contribution max. du FRO</i></b> |
|--|---|--|--|--|--|
| <b><i>Program / Programme</i></b>              | <b><i>Project Title / Titre du projet</i></b>   | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| NOF  | Dependable Software Systems and Their Evolution   | Zulkernine, Mohammad & Zou, Ying                           | 24/02/2005   | \$270,000                              | \$108,000  |
| <b><i>Royal Military College of Canada</i></b> |   |  | <b><i>Total: 1</i></b>                               | <b><i>\$4,243,624</i></b>              | <b><i>\$527,737</i></b>  |
| IF   | Fuel Cell Research and Innovation Centre  | Peppley, Brant   | 16/12/2004   | \$4,243,624                            | \$527,737  |
| <b><i>Ryerson University</i></b>               |   |  | <b><i>Total: 22</i></b>                              | <b><i>\$13,153,296</i></b>             | <b><i>\$3,337,468</i></b>                                      |
| CRCIF  | Canada Research Chair for Modern Literature and Culture   | Gammel, Irene  | 24/02/2005   | \$308,021                              | \$123,208  |
| CRCIF  | Biomedical ultrasonics laboratory   | Kolios, Michael  | 24/02/2005   | \$296,057                              | \$118,414  |
| CRCIF  | Satellite System Design and Simulation  | Kumar, Krishna Dev   | 26/06/2006   | \$312,441                              | \$124,381  |
| CRCIF  | Experimental Systems for Research on Modular and Reconfigurable Robot and Aircraft Engine Bleed Air Systems Control                         | Liu, Guang Jun   | 21/12/2006   | \$384,496                              | \$150,000  |
| LEF  | Research Infrastructure for Spatial Analysis and Business Geomatics at the Centre for the Study of Commercial Activity                      | Hernandez, Tony  | 15/03/2007   | \$1,918,655                            | \$424,843  |
| LEF  | Advanced biomedical ultrasound imaging and spectroscopy laboratory: from 1 to 1000MHz   | Kolios, Michael  | 15/03/2007   | \$980,562                              | \$392,225  |
| LOF-1  | The Digital Cinema Laboratory at Ryerson University   | Goodrum, Abby  | 26/06/2007   | \$2,962,115                            | \$242,309  |
| LOF-2  | Laboratory for Biomedical Signal Analysis   | Krishnan, Sridhar  | 22/04/2008   | \$251,668                              | \$100,654  |
| LOF-2  | Abrasive Jet Technology and Particle Impact Infrastructure  | Papini, Marcello   | 26/06/2007   | \$334,626                              | \$133,850  |
| LOF-2  | Infrastructure for Chair in Design and Evaluation of Health Interventions   | Sidani, Souraya  | 15/05/2007   | \$454,580                              | \$125,000  |
| LOF-2  | Bioengineering and Biophotonics Laboratory for Design, Prototyping, and Laser Micromaching of Innovative Catheter-based Biophotonics Probes | Yang, Victor   | 11/08/2008   | \$350,435                              | \$125,000  |
| NIF  | Centre for Interactive Multimedia Information Mining  | Guan, Ling   | 15/03/2007   | \$2,936,174                            | \$650,000  |
| NOF  | Distributed Fault Tolerant Computing Platform for Multimedia Processing (DMCP)  | Androutsos, Dimitrios                                      | 24/10/2005   | \$106,619                              | \$39,366   |
| NOF  | Wavelength Dispersive X Ray Fluorescence facility for multi-element analysis in biological samples  | Brito, Jose  | 24/02/2005   | \$209,126                              | \$83,650   |
| NOF  | Using Electrical Resistance Tomography & Ultrasonic Doppler Velocimetry to Study the Continuous Mixing Process of Fluids with Yield Stress  | Ein-Mozaffari, Farhad                                      | 24/10/2005   | \$157,902                              | \$61,228   |
| NOF  | Space Avionics and Instrumentation Laboratory (SAIL)  | Enright, John  | 24/02/2005   | \$158,784                              | \$63,513   |
| NOF  | Optic Fibre Sensing Wireless Network Laboratory   | Gu, Xijia  | 24/02/2005   | \$330,170                              | \$132,068  |
| NOF  | Ryerson Embodied Architecture Laboratory (REAL)   | Komisar, June  | 24/10/2005   | \$149,942                              | \$59,969   |
| NOF  | A computational modelling environment for innovation in the detection and treatment of cancer.  | Kumaradas, Carl  | 24/02/2005   | \$237,483                              | \$64,698   |
| NOF  | Biochemical isolation, identification and functional testing of important ligand receptor complexes from the plasma membrane.               | Marshall, John   | 24/10/2005   | \$91,306                               | \$34,239   |
| NOF  | Computer Vision in Aerospace Applications Laboratory (CVL)  | Okouneva, Galina   | 24/10/2005   | \$103,875                              | \$41,549   |
| NOF  | Distributed Applications and Broadband Networks Laboratory (DABNEL)   | Woungang, Isaac  | 24/02/2005   | \$118,259                              | \$47,304   |

| <b><i>Institution / Établissement</i></b>       |  |  | <b><i>Ministry Decision / Décision ministère</i></b> | <b><i>Total Costs / Coût total</i></b> | <b><i>Max. ORF contribution / Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program / Programme</i></b>               | <b><i>Project Title / Titre du projet</i></b>  | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| <b><i>St. Joseph's Health Care</i></b>          |  |  | <b><i>Total: 1</i></b>                               | <b><i>\$27,912,773</i></b>             | <b><i>\$9,991,000</i></b>                                      |
| LEF   | Biomedical multimodality Hybrid Imaging  | Prato, Frank   | 15/03/2007   | \$27,912,773                           | \$9,991,000  |
| <b><i>The Hospital for Sick Children</i></b>    |  |  | <b><i>Total: 4</i></b>                               | <b><i>\$41,039,108</i></b>             | <b><i>\$13,187,528</i></b>                                     |
| CA  | A station for cell biological and physiological studies combining ultrafast confocal imaging with laser-trap manipulation and force measurements in a contained and controlled environment | Grinstein, Sergio  | 22/07/2005   | \$1,360,459                            | \$544,183  |
| IF  | Integrative Genomics for Health Research   | Scherer, Stephen   | 16/12/2004   | \$11,706,437                           | \$1,454,459  |
| NIF   | Centre for the Study of Complex Childhood Diseases (CSCCD)   | Post, Martin   | 15/03/2007   | \$20,571,919                           | \$8,228,769  |
| NIF   | Centre for the Investigation of Neuroplasticity in Developmental Disorders   | Snead III, Carter  | 15/03/2007   | \$7,400,293                            | \$2,960,117  |
| <b><i>The University of Western Ontario</i></b> |  |  | <b><i>Total: 98</i></b>                              | <b><i>\$177,584,414</i></b>            | <b><i>\$41,934,746</i></b>                                     |
| CRCIF   | Musculoskeletal Rehabilitation: Reducing Physical Disability by Enhancing Joint and Muscle Function  | Birmingham, Trevor B.                                      | 24/10/2005   | \$230,571                              | \$92,228   |
| CRCIF   | The neurobiology of sexual motivation and reward   | Coolen, Lique M.   | 26/06/2006   | \$314,629                              | \$125,852  |
| CRCIF   | Cell Signalling in Stroke and Neurodegenerative Diseases   | Cregan, Sean P.  | 21/12/2006   | \$624,962                              | \$62,767   |
| CRCIF   | Development of a neuromuscular and motor control assessment laboratory   | Doherty, Timothy J.  | 22/07/2005   | \$292,414                              | \$116,966  |
| CRCIF   | Social Cognition Laboratory  | Gawronski, Bertram   | 22/07/2005   | \$134,729                              | \$53,416   |
| CRCIF   | A Millimeter and Submillimeter Instrumentation Laboratory at The University of Western Ontario   | Houde, Martin  | 22/07/2005   | \$418,854                              | \$167,542  |
| CRCIF   | In vivo imaging system for noninvasive studies on myocardial remodeling and heart failure  | Karmazyn, Morris   | 24/02/2005   | \$366,176                              | \$146,471  |
| CRCIF   | Molecular imaging of connexins at the biochemical level, expression of mutant connexins into tissue-relevant cells and characterization of connexin transgenic mice                        | Laird, Dale W.   | 24/02/2005   | \$329,996                              | \$131,998  |
| CRCIF   | An integrated platform for high throughput biological analysis   | Li, Shawn S-C  | 31/08/2006   | \$333,628                              | \$133,451  |
| CRCIF   | Computer-Intensive Modeling and Estimation of Lifecycle Human Capital Investment Behaviour   | Lochner, Lance J.  | 21/12/2006   | \$135,256                              | \$54,102   |
| CRCIF   | Functional and Metabolic Imaging: From Cell to Man   | Menon, Ravi  | 22/07/2005   | \$5,800,767                            | \$2,320,306  |
| CRCIF   | A Robotic Test-bed for Minimally Invasive Surgery and Therapy  | Patel, Rajni   | 24/02/2005   | \$345,428                              | \$138,137  |
| CRCIF   | Small Animal Care Unit for Guinea Pig Study  | Richardson, Bryan  | 24/02/2005   | \$251,785                              | \$100,714  |
| CRCIF   | Research Ethics and Philosophy of Science (REPS) Lab at the University of Western Ontario - Bioethics  | Weijer, Charles & Batterman, Robert                        | 22/07/2005   | \$415,555                              | \$166,221  |
| IF  | The "Three Little Pigs" Project: Testing Full-scale Houses and Light-frame Buildings to Destruction using Realistic, Extreme Environmental Loads   | Bartlett, Michael  | 16/12/2004   | \$6,861,496                            | \$853,296  |
| IF  | The University of Western Ontario Research Data Technology Facility: Promoting Innovative Analysis of Canadian Data  | Beaujot, Roderic   | 16/12/2004   | \$318,198                              | \$39,571   |
| IF  | SHARCNET 2 - Expansion of Existing Grid  | Couchman, Hugh   | 16/12/2004   | \$35,606,145                           | \$4,297,250  |
| IF  | SHARCNET 2 - New Partners and Networking   | Couchman, Hugh   | 16/12/2004   | \$13,809,576                           | \$1,711,439  |
| IF  | The Biotron  | Huner, Norman  | 16/12/2004   | \$28,360,128                           | \$3,515,970  |

| <b><i>Institution / Établissement</i></b> |   |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|---|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| IF  | VESPERS (Very Sensitive Elemental and Structural Probe Employing Radiation from a Synchrotron) at the Canadian Light Source   | Mcintyre, Stewart  | 16/12/2004   | \$4,504,098                                | \$560,130  |
| IF  | Canadian Pain Trials Network  | Moulin, Dwight   | 16/12/2004   | \$3,026,659                                | \$80,499   |
| IF  | Tribointender and Scanning Probe Facilities for Nanoscale Mechanical and Electrical Studies of Materials and Interfaces       | Norton, Peter  | 16/12/2004   | \$1,619,285                                | \$195,074  |
| IF  | Soft X-ray Beamline for Microcharacterization of Materials at the Canadian Light Source                                       | Sham, Tsun-Kong  | 16/12/2004   | \$4,203,279                                | \$522,724  |
| IF  | Neutron Reflectometer   | Shoesmith, David   | 16/12/2004   | \$2,464,455                                | \$226,173  |
| LEF                                       | National Centre for Audiology   | Allen, Prudence  | 15/03/2007   | \$1,674,071                                | \$667,154  |
| LEF                                       | Green Energy and Environmentally Friendly Chemical Technologies   | De Lasa, Hugo  | 15/03/2007   | \$18,036,200                               | \$6,782,389  |
| LOF                                       | Molecular Regulation of Breast Cancer Cell Metastasis   | Bhattacharya, Moshmi & Di Guglielmo, John                      | 31/08/2006   | \$633,044                                  | \$253,217  |
| LOF                                       | A mobile field laboratory for integrative ecological research (Western FLIER)   | Guglielmo, Christopher   | 31/08/2006   | \$738,562                                  | \$295,424  |
| LOF                                       | Heating, soil monitoring and nutrient analysis infrastructure for long-term climate simulations in the field                  | Henry, Hugh  | 31/08/2006   | \$436,613                                  | \$174,645  |
| LOF                                       | Equipment for Integrated Research on Deformation Structures in the Continental Lithosphere                                    | Jiang, Dazhi   | 31/08/2006   | \$445,677                                  | \$178,272  |
| LOF                                       | A Behavioral Gene Discovery Laboratory for Integrative Neuroscience   | Lehman, Michael  | 31/08/2006   | \$883,903                                  | \$353,562  |
| LOF                                       | Lake and Reservoir System Research Facility (LARSRF)  | Moser, Katrina   | 31/08/2006   | \$588,296                                  | \$235,320  |
| LOF                                       | Laboratory for the Development of Innovative Groundwater Remediation Strategies   | O'Carroll, Denis M.  | 21/12/2006   | \$569,427                                  | \$227,770  |
| LOF                                       | Ultrasound Systems Development Laboratory   | Poepping, Tamie L.   | 21/12/2006   | \$568,201                                  | \$227,281  |
| LOF                                       | From DNA Repair to Neural Circuits: Mechanisms of Cellular and Neurological Dysfunction                                       | Poulter, Michael   | 21/12/2006   | \$750,000                                  | \$211,226  |
| LOF                                       | Exercise and Health Psychology Laboratory   | Prapavessis, Harry   | 21/12/2006   | \$975,088                                  | \$390,036  |
| LOF                                       | Novel Photocatalysis and SMB Technology Laboratory  | Ray, Ajay K  | 21/12/2006   | \$639,756                                  | \$255,902  |
| LOF                                       | Photonic crystal based micro- and nano-sensors facility   | Sabarinathan, Jayshri  | 31/08/2006   | \$415,315                                  | \$166,126  |
| LOF-1                                     | A laboratory for the investigation of cellular and molecular mechanisms of breast cancer metastasis                           | Allan, Alison L.   | 04/09/2007   | \$399,558                                  | \$159,823  |
| LOF-1                                     | Infrastructure for highly sensitive and quantitative analysis of CD8+ T cell-mediated immunity                                | Haeryfar, Mansour  | 22/04/2008   | \$497,591                                  | \$199,036  |
| LOF-1                                     | Operando Laboratory for the Analysis and Discovery of New Types of Nanomaterials  | Herrera, Jose  | 11/08/2008   | \$417,865                                  | \$167,146  |
| LOF-1                                     | Quantitative Live-cell Fluorescence Microscopy and Digital Imaging Laboratory   | Karagiannis, Jim   | 11/08/2008   | \$383,147                                  | \$153,259  |
| LOF-1                                     | Drug Level Analysis Laboratory for Personalized Medicine Research   | Kim, Richard   | 22/04/2008   | \$555,664                                  | \$222,258  |
| LOF-1                                     | Instillation of scanning tunnel microscopy system for the development of molecular surface engineering of novel microfluidics | Lau, Leo W.M.  | 26/06/2007   | \$522,738                                  | \$209,095  |
| LOF-1                                     | High Throughput Nanoparticle Imaging Platform for the Non-Invasive Study of Metastasis in Cancer                              | Lewis, John D.   | 11/08/2008   | \$513,545                                  | \$205,418  |
| LOF-1                                     | Laboratory to Examine Auditory Cortical Function Following Cochlear Implant   | Lomber, Stephen G.   | 04/09/2007   | \$449,992                                  | \$179,997  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision<br/>ministère</i></b> | <b><i>Total Costs /<br/>Coût<br/>total</i></b> | <b><i>Max. ORF<br/>contribution /<br/>Contribution<br/>max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-1                                     | A Novel Centre to Study the Microenvironment as a Dynamic Regulator of Cell Phenotype  | Postovit, Lynne-Marie  | 11/08/2008   | \$433,965                                      | \$173,586  |
| LOF-1                                     | Synthetic Laboratory for the Discovery of Inorganic Materials  | Ragogna, Paul J.   | 15/05/2007   | \$499,949                                      | \$199,979  |
| LOF-1                                     | Advanced Oxidation Process Laboratory  | Ray, Madhumita B.  | 15/05/2007   | \$528,841                                      | \$211,536  |
| LOF-1                                     | Ubiquitous Network Laboratory  | Shami, Abdallah  | 15/05/2007   | \$274,250                                      | \$109,700  |
| LOF-1                                     | A Window into Planetary Interiors: A Laboratory for Extreme Temperature and Pressure Studies   | Shieh, Sean  | 26/06/2007   | \$494,843                                      | \$197,937  |
| LOF-1                                     | Laboratory To Test, Train and Protect The Brain-Heart Connection   | Shoemaker, J. Kevin  | 04/09/2007   | \$843,000                                      | \$337,200  |
| LOF-1                                     | Physiological Performance of overwintering insects in a changing climate   | Sinclair, Brent J.   | 26/06/2007   | \$544,155                                      | \$217,662  |
| LOF-1                                     | Laboratory for Chemistry and Materials Research under Extreme Conditions   | Song, Yang   | 26/06/2007   | \$635,639                                      | \$254,255  |
| LOF-1                                     | Small Animal Image Guided Radiation Research Laboratory  | Wong, Eugene   | 22/04/2008   | \$587,953                                      | \$235,181  |
| LOF-1                                     | Biotransport and Cellular Engineering Laboratory   | Yang, Jun  | 26/06/2007   | \$503,335                                      | \$201,334  |
| LOF-2                                     | Engineering Seismology Toolbox   | Atkinson, Gail   | 04/09/2007   | \$465,930                                      | \$186,372  |
| LOF-2                                     | Catchment Research Facility: Tracking water and nutrient flows in forests in natural and controlled biomes under changing environmental conditions         | Creed, Irena   | 04/09/2007   | \$590,813                                      | \$236,325  |
| LOF-2                                     | Human Orthopaedic Biomechanics: Studies to Assess Implant Fixation & Load Transfer, Osteotomy & Fracture Fixation, Spine Loading, and Impact Injury Limits | Dunning, Cynthia   | 22/04/2008   | \$430,949                                      | \$172,380  |
| LOF-2                                     | Innovative Laboratory for Luminescent Mapping of Insitu NAPL And Technology Evaluation Geoenvironmental Research Facility                                  | Gerhard, Jason I.  | 26/06/2007   | \$649,140                                      | \$259,656  |
| LOF-2                                     | Laboratory for Biomaterials Research   | Gillies, Elizabeth   | 15/05/2007   | \$517,342                                      | \$206,937  |
| LOF-2                                     | Landscape Genetics Laboratory  | Keyghobadi, Nusha  | 26/06/2007   | \$578,711                                      | \$231,484  |
| LOF-2                                     | Characterization, Manipulation and Molecular Recognition: Imaging and Spectroscopy of Meso- and nanostructured Materials                                   | Laguné-Labarhet, François                                      | 11/08/2008   | \$655,752                                      | \$262,301  |
| LOF-2                                     | Environmental Exposure Monitoring Systems for Health and Equity Research   | Luginaah, Isaac  | 26/06/2007   | \$326,090                                      | \$130,436  |
| LOF-2                                     | 32 Receiver Channel Upgrade for Parallel Magnetic Resonance Research   | McKenzie, Charles A.   | 15/05/2007   | \$634,900                                      | \$253,960  |
| LOF-2                                     | An Integrated System for Real-Imaging, In-Situ Growth and In-situ Properties of Nanomaterials  | Sun, Xueliang  | 22/04/2008   | \$846,321                                      | \$299,499  |
| LOF-2                                     | Laboratory for Emerging Communications Systems   | Wang, Xianbin  | 04/09/2007   | \$433,616                                      | \$173,446  |
| NIF                                       | AFAR: Advanced Facilities for Avian Research Infrastructure for Studies of Avian Physiology, Neurobiology and Behaviour                                    | MacDougall-Shackleton, Scott                                   | 15/03/2007   | \$9,226,432                                    | \$3,690,573  |
| NIF                                       | Regional Facility for Research on Materials at Extreme P,T Conditions  | Secco, Richard   | 15/03/2007   | \$1,299,558                                    | \$519,823  |
| NOF                                       | Genetic, Molecular and Physiological Basis of Mental Retardation   | Berube, Nathalie   | 24/02/2005   | \$636,130                                      | \$254,452  |
| NOF                                       | Laboratory for Image-based 3D Modeling Technologies  | Boykov, Yuri & Veksler, Olga                                   | 24/10/2005   | \$545,990                                      | \$218,396  |
| NOF                                       | A Facility for the Advancement of Musculoskeletal Health Research  | Bryant, Dianne   | 24/10/2005   | \$762,147                                      | \$304,859  |

| <b><i>Institution / Établissement</i></b> |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b>       | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |           |
|---|--|--|--|--|-----------|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |           |
| NOF                                       | Meteoroid Environment Optical Research Observing Stations  | Campbell-Brown, Margaret D. & Wiegert, Paul                    | 26/06/2006                                 | \$557,840  | \$223,136 |
| NOF                                       | Infrastructure for the study of naturally disordered proteins and diseases   | Choy, Wing-Yiu   | 26/06/2006                                 | \$455,612  | \$182,245 |
| NOF                                       | Laboratory for multidisciplinary measurements of human performance   | Corneil, Brian D.  | 24/10/2005                                 | \$312,627  | \$125,051 |
| NOF                                       | Mechanisms of Neurodegeneration in Alzheimer's Disease and Neuronal Injury.  | Cregan, Sean   | 24/02/2005                                 | \$650,016  | \$260,006 |
| NOF                                       | Regulation of DNA Processing Events  | Davey, Megan & Edgell, David                                   | 22/07/2005                                 | \$613,730  | \$239,736 |
| NOF                                       | Molecular and Cellular Mechanisms of the Innate Immune Response in the Development of Type 1 Diabetes                                      | Dhanvantari, Savita & Kim, Sung                                | 22/07/2005                                 | \$648,056  | \$256,063 |
| NOF                                       | Simulation/Modeling Laboratory for High-Speed Electronic Circuits and MEMS   | Dounavis, Anestis  | 26/06/2006                                 | \$327,830  | \$131,133 |
| NOF                                       | An Applied Data Research Facility for the Understanding, Prevention and Treatment of Kidney Diseases                                       | Garg, Amit   | 24/02/2005                                 | \$498,497  | \$199,252 |
| NOF                                       | Mutation Load Index: Critical parameters of DNA damage relevant to aging, cancer and neurodegeneration                                     | Hill, Kathleen Allen   | 22/07/2005                                 | \$582,815  | \$204,875 |
| NOF                                       | A State-of-the-art Computer Controlled Triaxial Stress-Path Apparatus for Geotechnical Engineering Research                                | Hinchberger, Sean  | 22/07/2005                                 | \$290,712  | \$116,286 |
| NOF                                       | An "Experience Sampling" Social Cognitive Neuropsychological Facility for the Study of Maladaptive Behavioural Consequences of Alcohol Use | Hoaken, Peter N.S.   | 22/07/2005                                 | \$203,969  | \$81,587  |
| NOF                                       | Laboratory for Asymmetric Catalysis Research   | Jones, Nathan D.   | 26/06/2006                                 | \$408,441  | \$163,375 |
| NOF                                       | Advances in the use of robotics and minimal invasive technology in the treatment of heart disease  | Kiaii, Bob   | 22/07/2005                                 | \$348,421  | \$136,258 |
| NOF                                       | An Applied Research Laboratory for Aging and Community Health  | Kloseck, Marita  | 22/07/2005                                 | \$319,656  | \$127,863 |
| NOF                                       | Advanced cellular and molecular studies of Connective tissue growth factor action on fibroblasts   | Leask, Andrew  | 24/10/2005                                 | \$475,156  | \$190,062 |
| NOF                                       | Crystallographic studies of key proteins in translesion DNA replication and mutagenesis  | Ling, Hong   | 24/02/2005                                 | \$599,979  | \$240,000 |
| NOF                                       | Systematic Evaluation of Assisted Reproduction   | Mann, Mellissa & Babwah, Andy V.                               | 26/06/2006                                 | \$500,041  | \$200,000 |
| NOF                                       | Establishment of state-of-the-art cardiovascular tissue engineering laboratory.  | Mequanint, Kibret  | 24/02/2005                                 | \$498,787  | \$199,513 |
| NOF                                       | Creating complex soil loading states to stimulate realistic geotechnical processes   | Newson, Timothy A.   | 26/06/2006                                 | \$507,780  | \$203,112 |
| NOF                                       | Laboratory fo Advanced Digital Signal Processing Research (LASPR)  | Parsa, Vijay   | 24/02/2005                                 | \$385,475  | \$154,079 |
| NOF                                       | Genetic Applications to the Study of Mouse Models of Human Disease   | Rozmahel, Richard  | 24/02/2005                                 | \$561,429  | \$224,571 |
| NOF                                       | Infant Hearing Aid Technology Laboratory   | Scollie, Susan   | 22/07/2005                                 | \$175,069  | \$70,009  |
| NOF                                       | Carbon NanoStructured Material Fabrication Laboratory (CNSMFL)   | Sun, Xueliang  | 26/06/2006                                 | \$479,139  | \$190,506 |
| NOF                                       | Novel Transplantation Models to Study the Mechanisms of Graft Protection   | Wang, Hao  | 26/06/2006                                 | \$154,888  | \$61,955  |
| NOF                                       | Laboratory for the study of Radiation Induced Chemical Processes and Transport.  | Wren, Jungsook   | 24/02/2005                                 | \$737,588  | \$295,035 |

| <b><i>Institution / Établissement</i></b> |   |  | <b><i>Ministry Decision / Décision ministère</i></b> | <b><i>Total Costs / Coût total</i></b> | <b><i>Max. ORF contribution / Contribution max. du FRO</i></b> |
|---|---|--|--|--|--|
| <b><i>Program / Programme</i></b>         | <b><i>Project Title / Titre du projet</i></b>   | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| NOF                                       | A novel cell therapeutic approach to induce tolerance in xenotransplantation  | Zhang, Zhu-Xu  | 24/10/2005   | \$482,788                              | \$193,116  |
| <b><i>Trent University</i></b>            |   |  | <b><i>Total: 14</i></b>                              | <b><i>\$18,642,221</i></b>             | <b><i>\$4,990,338</i></b>                                      |
| CRCIF                                     | Key Input Parameter Laboratory: Fundamental laboratory-based measurements of parameters required to establish reliable models                       | Aherne, Julian   | 22/07/2005   | \$187,500                              | \$75,000   |
| IF  | DNA and Forensic Science Research Centre  | White, Bradley   | 16/12/2004   | \$8,702,023                            | \$1,082,184  |
| LEF                                       | Upgrading and Expansion of the Trent University Worsfold Water Quality Centre and Isotope Ratio Facility  | Evans, Douglas   | 15/03/2007   | \$3,166,902                            | \$1,266,760  |
| LOF                                       | The Synthesis, Characterization and Identification of Atmospheric Pollutants and Degradation Products in the Canadian Troposphere                   | Ellis, David   | 31/08/2006   | \$482,833                              | \$191,533  |
| LOF                                       | Laboratory For Coherent Control of Novel Molecular States   | Shiell, Ralph  | 31/08/2006   | \$256,592                              | \$102,637  |
| LOF-1                                     | Plant Pathogen Forensics-DNA:DNA hybridization platforms for species discrimination and strain identity for Forensic analysis and pathogen tracking | Saville, Barry   | 22/04/2008   | \$352,747                              | \$139,557  |
| LOF-2                                     | Biogeochemical laboratory for trace metal speciation in aquatic environments: role of dissolved organic matter                                      | Gueguen, Celine  | 26/06/2007   | \$418,504                              | \$167,383  |
| LOF-2                                     | Establishment of a CRC in DNA Profiling, Forensics and Functional Genomics  | Wilson, Paul   | 26/06/2007   | \$230,000                              | \$80,000   |
| NIF                                       | The Microenvironment Laboratory at Trent University   | Metcalfe, Chris  | 15/03/2007   | \$3,238,095                            | \$1,291,325  |
| NOF                                       | Establishment of a Confocal Microscopy Facility for Studying Poxvirus Replication   | Brunetti, Craig  | 24/02/2005   | \$451,349                              | \$155,539  |
| NOF                                       | Infrastructure for the establishment of an ecological and evolutionary physiology laboratory  | Burness, Gary  | 22/07/2005   | \$232,298                              | \$91,000   |
| NOF                                       | Establishment of a Bioarchaeology Laboratory  | Keenleyside, Anne  | 24/02/2005   | \$372,985                              | \$127,937  |
| NOF                                       | Establishment of an AAS and CNS facility for forest biogeochemistry research  | Watmough, Shaun  | 22/07/2005   | \$217,230                              | \$86,892   |
| NOF                                       | Global change of aquatic ecosystems laboratory and field studies  | Xenopoulos, Marguerite A.                                  | 24/10/2005   | \$333,163                              | \$132,591  |
| <b><i>University Health Network</i></b>   |   |  | <b><i>Total: 9</i></b>                               | <b><i>\$103,789,704</i></b>            | <b><i>\$27,357,599</i></b>                                     |
| IF  | Spatio-Temporal Targeting and Amplification of Radiation Response (STTARR) Innovation Centre  | Jaffray, David   | 16/12/2004   | \$9,830,995                            | \$1,210,389  |
| IF  | Research Program in Immune Tolerance in Transplantation (RITT)  | Levy, Gary   | 16/12/2004   | \$10,679,890                           | \$1,328,151  |
| IF  | Advanced Medical Discovery Institute: Genomic Instability and Cancer Cell Survival  | Mak, Tak   | 16/12/2004   | \$25,000,000                           | \$3,109,000  |
| IF  | Canadian Molecular Cytogenetics Platform  | Squire, Jeremy   | 16/12/2004   | \$1,736,485                            | \$215,949  |
| LEF                                       | Cancer Stem Cell Centre   | Dick, John   | 15/03/2007   | \$10,732,672                           | \$4,293,069  |
| LEF                                       | Disease genomics: reduction to practice   | Siminovitch, Katherine                                     | 15/03/2007   | \$12,000,000                           | \$4,800,000  |
| NIF                                       | The Electronic Living Laboratory for International Cancer Survivorship Research: Bridging the Gap for Chronic Cancer Care                           | Catton, Pamela   | 15/03/2007   | \$3,316,909                            | \$1,200,000  |
| NIF                                       | Comprehensive systems biology approach to profiling and modeling of cancer; A collaborative infrastructure for integrated translational research.   | Jurisica, Igor   | 15/03/2007   | \$12,492,753                           | \$4,001,041  |
| NIF                                       | The Regenerative Medicine Project (The REMEDI Project)  | Weisel, Richard  | 15/03/2007   | \$18,000,000                           | \$7,200,000  |

## ***Institution / Établissement***

| <b><i>Program /<br/>Programme</i></b> | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> | <b><i>Ministry<br/>Decision /<br/>Décision<br/>ministère</i></b> | <b><i>Total<br/>Costs /<br/>Coût<br/>total</i></b> | <b><i>Max. ORF<br/>contribution /<br/>Contribution<br/>max. du FRO</i></b> |
|---------------------------------------|---|--|--|--|--|
| <b><i>University of Guelph</i></b>    |   |  | <b><i>Total: 78</i></b>  | <b><i>\$91,746,620</i></b>                         | <b><i>\$22,306,217</i></b>   |
| CRCIF                                 | From local observations to global models: Infrastructure for studying ecological change.                                | Anand, Madhur  | 21/12/2006   | \$305,240  | \$122,095  |
| CRCIF                                 | Cytometry In Animal Health Research   | Bienzle, Dorothee  | 24/10/2005   | \$313,237  | \$125,000  |
| CRCIF                                 | A set up for the study of protein-based nanoparticles and their functionality   | Corredig, Milena   | 21/12/2006   | \$324,575  | \$98,911   |
| CRCIF                                 | State-of-the-Art Facility for the Characterization of Manipulation of Soft Matter at Interfaces.                        | Dutcher, John R.   | 21/12/2006   | \$335,949  | \$134,379  |
| CRCIF                                 | To establish a media-enhanced setting for the research Institute of Critical Studies in Canadian Literature             | Kamboureli, Smaro  | 24/10/2005   | \$308,812  | \$123,525  |
| CRCIF                                 | An Integrated Laboratory Complex for the Analysis of Animal Behavioural Biology   | Mason, Georgia G. J.   | 24/02/2005   | \$314,859  | \$123,138  |
| CRCIF                                 | Infrastructure in Behavioural Neuroscience  | Parker, Linda  | 31/08/2006   | \$1,056,984  | \$422,793  |
| IF                                    | Applied Evolution: The Fusion of Genomics and Ecology   | Husband, Brian   | 16/12/2004   | \$10,096,849                                       | \$1,255,644  |
| IF                                    | A Public Use Microdata Sample of Households in the 1891 Canadian Census: Quebec, the Maritime Provinces and the West    | Inwood, Kris   | 16/12/2004   | \$766,070  | \$95,269   |
| IF                                    | Membranes and surfaces in diseases and natural environments - state-of-the-art facilities for biophysical research.     | Whitfield, Christopher   | 16/12/2004   | \$18,274,154                                       | \$2,272,574  |
| LEF                                   | Enhancement of infrastructure for bio-electrochemical and soft materials research                                       | Lipkowski, Jacek   | 15/03/2007   | \$6,992,603  | \$2,797,041  |
| LOF                                   | Pattern formation in the cerebellum: deciphering the stripes.   | Armstrong, Carol   | 31/08/2006   | \$312,266  | \$124,906  |
| LOF                                   | Presynaptic Modulation of Neurotransmission   | Armstrong, John N.   | 31/08/2006   | \$311,931  | \$124,773  |
| LOF                                   | Microneurography facility for the investigation of spinal circuitry in the human related to movement and balance        | Bent, Leah   | 21/12/2006   | \$216,323  | \$86,529   |
| LOF                                   | Infrastructure for establishment of a Body Composition and Energy Metabolism (BCEM) Laboratory.                         | Buchholz, Andrea, C.   | 31/08/2006   | \$398,985  | \$159,594  |
| LOF                                   | Canada's first state-of-the-art, one micron nuclear microprobe  | de Kerckhove, Diane  | 21/12/2006   | \$367,595  | \$145,795  |
| LOF                                   | Tissue, Cell, and Protein Dynamics Laboratory   | Fudge, Douglas S.  | 21/12/2006   | \$630,798  | \$252,319  |
| LOF                                   | The Guelph High Efficiency Gamma-Ray Spectrometer for Beta-Decay Experiments  | Garrett, Paul E.   | 21/12/2006   | \$445,909  | \$149,364  |
| LOF                                   | Laboratory for the Development of New Analog Integrated Circuits and Microsystems                                       | Gregori, Stefano   | 31/08/2006   | \$339,413  | \$135,004  |
| LOF                                   | Enhanced Infrastructure for Multi-Media Information and Communication Research for Rural Development                    | Hambly, Helen  | 31/08/2006   | \$110,032  | \$44,013   |
| LOF                                   | Research setup for active food packaging systems, biodegradable material forming, and food-packaging interaction.       | Lim, Loong-Tak   | 21/12/2006   | \$211,044  | \$84,418   |
| LOF                                   | Acquisition of a Confocal Laser Scanning Microscope for live imaging of sub-cellular responses to environmental stimuli | Mathur, Jaideep  | 31/08/2006   | \$310,963  | \$124,385  |
| LOF                                   | Development of a comparative epilepsy program   | Poma, Roberto  | 31/08/2006   | \$202,090  | \$80,836   |
| LOF                                   | Integrated Venous Function In Chronic Heart Failure   | Ron Johnson  | 21/12/2006   | \$317,069  | \$126,828  |
| LOF                                   | Sustainable Pest Management in Field and Horticultural Crops  | Sikkema, Peter   | 21/12/2006   | \$950,704  | \$380,282  |
| LOF                                   | Facility for nutraceutical encapsulation and performance research   | Wright, Amanda J.  | 21/12/2006   | \$317,112  | \$126,045  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-1                                     | Infrastructure for the study of gut microbial communities  | Allen-Vercoe, Emma   | 11/08/2008   | \$493,832                                  | \$148,149  |
| LOF-1                                     | Genetic determinants of infectious disease susceptibility in swine   | Brooks, Andrew   | 26/06/2007   | \$288,603                                  | \$115,141  |
| LOF-1                                     | Aquatic Metacommunity Dynamics Laboratory  | Cottenie, Karl   | 22/04/2008   | \$162,340                                  | \$63,099   |
| LOF-1                                     | Integrated Digital Concept Mapping for Translation between Aboriginal Traditional Knowledge and Western Science in Resource Management   | Crawford, Stephen S.   | 04/09/2007   | \$145,362                                  | \$58,144   |
| LOF-1                                     | An integrated animal science laboratory complex for the University of Guelph, Kemptville Campus  | DeVries, Trevor  | 11/08/2008   | \$620,918                                  | \$248,367  |
| LOF-1                                     | Infrastructure to Support Strain Measurements in Orthopaedic Soft Tissue   | Gordon, Karen  | 15/05/2007   | \$320,348                                  | \$127,953  |
| LOF-1                                     | Protein Structural Biology Facility  | Graether, Steffen  | 15/05/2007   | \$626,683                                  | \$250,672  |
| LOF-1                                     | Genomic Diversity Laboratory   | Gregory, T.R. and Hanner, R.H.                                 | 26/06/2007   | \$625,959                                  | \$249,586  |
| LOF-1                                     | Infrastructure to assess microbial biofilm contamination of drinking water distribution systems  | Habash, Marc   | 22/04/2008   | \$310,875                                  | \$124,350  |
| LOF-1                                     | Advanced Digital Audio Production and Performance Studio   | Harley, James  | 11/08/2008   | \$315,746                                  | \$126,298  |
| LOF-1                                     | Public Use Microdata Samples of the 1871 Census of Canada and the 1871 Census of Scotland  | Inwood, Kris   | 04/09/2007   | \$625,000                                  | \$250,000  |
| LOF-1                                     | Laboratory for Organic Layered Material Growth and Synchrotron Radiation-based Structural Studies  | Jiang, De-Tong   | 04/09/2007   | \$379,440                                  | \$148,350  |
| LOF-1                                     | Integrated program for studies on turfgrass physiology, integrated pest management and soil microbiology for the purpose of developing environmentally sound urban landscape systems | Jordan, Katerina S.  | 15/05/2007   | \$617,361                                  | \$246,945  |
| LOF-1                                     | Guelph Wind Engineering Laboratory   | Lubitz, William David  | 11/08/2008   | \$302,991                                  | \$121,197  |
| LOF-1                                     | Usability and Testing of Context Aware and Adaptive System   | McCuaig, Judi  | 26/06/2007   | \$160,057                                  | \$64,023   |
| LOF-1                                     | Wireless Computing Laboratory  | Nasser, Nidal  | 22/04/2008   | \$294,072                                  | \$114,687  |
| LOF-1                                     | Infrastructure for the study of diversity in cryptic plants and the development of modern molecular taxonomic tools  | Newmaster, Steven  | 26/06/2007   | \$310,300                                  | \$124,119  |
| LOF-1                                     | High performance computing laboratory to support research in epidemiology and disease surveillance related to human and animal health  | Pearl, David   | 22/04/2008   | \$189,907                                  | \$75,963   |
| LOF-1                                     | Centre for Organizational Studies  | Stanley, David   | 15/05/2007   | \$533,681                                  | \$213,473  |
| LOF-1                                     | Starch Biology Laboratory  | Tetlow, Ian J.   | 26/06/2007   | \$308,572                                  | \$123,429  |
| LOF-1                                     | Raman Spectrometer and High-Pressure Apparatus for Aqueous Chemistry under Sub-Critical and Super-critical Conditions  | Tremaine, Peter  | 04/09/2007   | \$689,504                                  | \$171,330  |
| LOF-1                                     | System-Based Approaches to Optimize Nutrient Use Efficiency in the Agro-Ecosystem  | Van Eerd, Laura L.   | 11/08/2008   | \$313,049                                  | \$125,219  |
| LOF-2                                     | Public Policy in Criminal Justice  | Dawson, Myrna F.   | 11/08/2008   | \$253,608                                  | \$101,443  |
| LOF-2                                     | Computational Biomathematics Laboratory: Workstations and Compute Server   | Eberl, Hermann J.  | 15/05/2007   | \$300,969                                  | \$119,014  |
| NIF                                       | An Innovative Neutron Detector Array for Nuclear Physics Experiments   | Garrett, Paul  | 15/03/2007   | \$1,792,415                                | \$665,914  |
| NIF                                       | The Brockhouse X-Ray Diffraction and Scattering Sector at the Canadian Light Source  | Kycia, Stefan  | 15/03/2007   | \$27,837,504                               | \$5,200,046  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| NOF                                       | The impact of maternal history of maltreatment on the mother-child attachment relationship and children's socio-emotional development  | Bailey, Heidi  | 22/07/2005   | \$271,682                                  | \$108,672  |
| NOF                                       | Development of Farm Animal Models for Testing and Amelioration of Hormonal Treatments in Women: Influences on Ovarian Function and Consequences for Fertility                  | Bartlewski, Pawel M.   | 26/06/2006   | \$309,001                                  | \$117,693  |
| NOF                                       | Laboratory for the study of molecular endocrinology and immunology in poultry  | Bedecarrats, Grégoy  | 22/07/2005   | \$311,568                                  | \$124,627  |
| NOF                                       | Soil moisture observation networks for hydrologic model development, drought monitoring and satellite calibration  | Berg, Aaron  | 24/10/2005   | \$371,088                                  | \$148,436  |
| NOF                                       | Studies on behaviour, motivation, and satisfaction of international tourists.  | Choi, Hwan Suk (Chris)   | 24/10/2005   | \$150,422                                  | \$60,169   |
| NOF                                       | Department of Mathematics and Statistics at University of Guelph – High Performance Computing Project (MS-HPC)   | Cojocaru, Monica-Gabriela                                      | 24/10/2005   | \$831,467                                  | \$268,996  |
| NOF                                       | Social and legal responses to violence in Canada.  | Dawson, Myna   | 24/02/2005   | \$233,434                                  | \$93,373   |
| NOF                                       | Development of tools and technologies for sustainable wastewater reuse.  | Farahbakhsh, Khosrow   | 24/02/2005   | \$317,518                                  | \$125,000  |
| NOF                                       | Mass spectrometry platform for the comprehensive chemical analysis of complex mixtures in environmental and biological samples   | Gabryelski, Wojciech   | 24/10/2005   | \$565,287                                  | \$176,252  |
| NOF                                       | Development of a Paleoecology / Paleoclimatology Laboratory  | Gedalof, Ze'ev   | 24/10/2005   | \$319,051                                  | \$127,621  |
| NOF                                       | Development of tools and technologies for water resources management and planning.   | Gharabaghi, Bahram   | 24/10/2005   | \$309,033                                  | \$123,613  |
| NOF                                       | Integrated facility for studies on microbial ecology, biogeochemistry and bacteria-mineral interactions in soils and sediments, with applications to environmental protection. | Glasauer, Susan  | 24/02/2005   | \$623,431                                  | \$249,370  |
| NOF                                       | High Brilliance Small Angle X-Ray Scattering Beamline  | Kycia, Stefan  | 24/10/2005   | \$323,915                                  | \$125,000  |
| NOF                                       | Infrastructure For The Synthesis and Structural Characterization of DNA Adducts  | Manderville, Richard A.  | 24/10/2005   | \$324,119                                  | \$125,000  |
| NOF                                       | Infrastructure for the Investigation of Sickness Behaviour in Swine  | Millman, Suzanne   | 24/02/2005   | \$164,266                                  | \$65,707   |
| NOF                                       | An Integrated set-up for the Metabolic Profiling of Wine Lactic Acid Bacteria and Yeast and the Bio-Chemical Grape and Wine Characterization                                   | Mira de Orduna Heidinger, Ramon                                | 24/02/2005   | \$412,284                                  | \$160,014  |
| NOF                                       | Carbohydrate Structural Analysis   | Monteiro, Mario A.   | 22/07/2005   | \$198,618                                  | \$79,448   |
| NOF                                       | Cryptosystems Security Research Laboratory at the University of Guelph.  | Muresan, Radu  | 24/02/2005   | \$313,904                                  | \$118,542  |
| NOF                                       | Infrastructure for study of host-pathogen interactions   | Preston, Andrew  | 24/10/2005   | \$306,018                                  | \$121,296  |
| NOF                                       | Manipulation of myoblast and fibroblast cell expression by mechanotransduction.  | Purslow, Peter   | 24/02/2005   | \$267,714                                  | \$107,085  |
| NOF                                       | Infrastructure for an Integrative Nutritional Sciences and Metabolic Physiology Laboratory: Establishment of a Metabolic Biomarker and Adipokine Facility                      | Robinson, Lindsay E.   | 22/07/2005   | \$291,527                                  | \$116,611  |
| NOF                                       | Infrastructure to study the mechanisms regulating nutrient utilization in ruminants  | Swanson, Kendall   | 22/07/2005   | \$312,311                                  | \$124,925  |
| NOF                                       | Equipment for the Study of Visio-Locomotor Control in Complex Environments Across the Lifespan   | Vallis, Lori Ann   | 24/02/2005   | \$194,614                                  | \$77,846   |
| NOF                                       | Comparative Proteomics of Yeast Fermentation   | Van Der Merwe, George  | 24/02/2005   | \$314,808                                  | \$125,000  |

| <b><i>Institution / Établissement</i></b>                   |  |  | <b><i>Ministry Decision / Décision ministère</i></b> | <b><i>Total Costs / Coût total</i></b> | <b><i>Max. ORF contribution / Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program / Programme</i></b>                           | <b><i>Project Title / Titre du projet</i></b>  | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| NOF   | Ecology, Traceability and Detection of Foodborne Pathogens in Food Production and Processing Chains.   | Warriner, Keith  | 24/02/2005   | \$182,545                              | \$73,017   |
| NOF   | Computer Intensive Methods for Labor and Applied Welfare Economics   | Wu, Ximing   | 22/07/2005   | \$176,333                              | \$70,533   |
| <b><i>University of Ontario Institute of Technology</i></b> |  |  | <b><i>Total: 11</i></b>                              | <b><i>\$3,252,217</i></b>              | <b><i>\$886,507</i></b>  |
| CRCIF   | Development of Continuous-flow Wet-laboratory and Controlled Temperature Room Facilities for the Investigation of Pulse-exposure Effects of Contaminants on Aquatic Organisms and Biomarker Validation | Holdway, Douglas   | 24/02/2005   | \$794,296                              | \$125,000  |
| LOF   | Facility for Nematode Ion Channel Research   | Forrester, Sean  | 21/12/2006   | \$130,538                              | \$38,129   |
| LOF-1   | Electrochemical Materials Research Lab   | Easton, E. Bradley   | 26/06/2007   | \$125,669                              | \$39,442   |
| LOF-1   | Laboratory for Advanced User Interfaces and Virtual Reality  | Green, Mark  | 26/06/2007   | \$209,401                              | \$59,607   |
| LOF-1   | Research Center for Mobile Healthcare Service Assurance and Privacy  | Hung, Patrick  | 26/06/2007   | \$150,319                              | \$54,459   |
| LOF-1   | Advanced Wireless Communications and Networking Research Laboratory  | Shahbazpanahi, Shahram                                     | 26/06/2007   | \$232,419                              | \$85,460   |
| LOF-2   | Development of a decomposition chemistry laboratory and geoforensic research facility  | Forbes, Shari  | 04/09/2007   | \$349,207                              | \$125,000  |
| LOF-2   | Health Informatics Laboratory  | McGregor, Carolyn  | 26/06/2007   | \$361,000                              | \$97,310   |
| LOF-2   | Experimental Facility for Advanced Energy Systems  | Naterer, Greg  | 04/09/2007   | \$360,045                              | \$125,000  |
| NOF   | Computational Science and Visualization Laboratory (CSVL)  | Lewis, Gregory   | 22/07/2005   | \$147,489                              | \$50,000   |
| NOF   | Centre for Engineering Design, Automation, and Robotics (CEDAR)  | Nokleby, Scott   | 22/07/2005   | \$391,834                              | \$87,100   |
| <b><i>University of Ottawa</i></b>                          |  |  | <b><i>Total: 102</i></b>                             | <b><i>\$69,362,594</i></b>             | <b><i>\$21,520,025</i></b>                                     |
| CRCIF   | Law, Population Health and Global Development Research Laboratory  | Attaran, Amir  | 22/07/2005   | \$310,064                              | \$123,963  |
| CRCIF   | Yeast Functional and Chemical Genomics Screening Facility  | Baetz, Kristin   | 24/10/2005   | \$423,594                              | \$169,438  |
| CRCIF   | CRC Chair in the Contextualising of Religion in a Diverse Canada   | Beaman, Lori   | 21/12/2006   | \$62,932                               | \$25,173   |
| CRCIF   | Regulation of Gene Expression  | Brand, Marjorie  | 24/02/2005   | \$300,000                              | \$120,000  |
| CRCIF   | The Role of Arginine Methylation in RNA Metabolism and Diseased States.  | Côté, Jocelyn  | 24/10/2005   | \$320,644                              | \$128,172  |
| CRCIF   | The Role of Chromatin Structure in Establishing the Myogenic Program   | Dilworth, Jeffrey  | 24/10/2005   | \$610,658                              | \$144,951  |
| CRCIF   | The Electronic Health Record Laboratory  | El Emam, Khaled  | 22/07/2005   | \$321,945                              | \$125,000  |
| CRCIF   | Advancing proteomics to systems biology -New approaches for the studies of colorectal cancer progression   | Figeys, Daniel   | 24/02/2005   | \$632,113                              | \$211,717  |
| CRCIF   | Quantitative Systems Biology Laboratory  | Kaern, Mads  | 24/02/2005   | \$349,777                              | \$139,591  |
| CRCIF   | Contemporary Globalization and Health Equity   | Labonte, Ron   | 24/02/2005   | \$312,000                              | \$124,800  |
| CRCIF   | Law and Occupational Health and Safety Laboratory  | Lippel, Katherine  | 26/06/2006   | \$246,794                              | \$98,250   |
| CRCIF   | Human Genome Epidemiology  | Little, Julian   | 22/07/2005   | \$303,358                              | \$121,332  |
| CRCIF   | Starting equipment CRC Metzler   | Metzler, Ralf  | 31/08/2006   | \$11,852                               | \$4,740  |
| CRCIF   | Bone Health Research Laboratory  | Rauch, Frank   | 21/12/2006   | \$251,586                              | \$100,000  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision<br/>ministère</i></b> | <b><i>Total Costs /<br/>Coût<br/>total</i></b> | <b><i>Max. ORF<br/>contribution /<br/>Contribution<br/>max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| CRCIF                                     | Centre d'analyse et de recherche sur les réformes politiques et administratives (CARPA)  | Rouillard, Christian   | 24/02/2005   | \$109,448                                      | \$43,779   |
| CRCIF                                     | Laboratory Facilities for Quantitative Genetic Analyses and Experimental Evolution of Chemical Signaling Systems In Drosophila   | Rundle, Howard D.  | 24/10/2005   | \$253,872                                      | \$100,513  |
| CRCIF                                     | The application of high-throughput genomic technology to the study of the signalling mechanisms that govern programmed cell death (apoptosis)  | Screaton, Robert   | 26/06/2006   | \$470,137                                      | \$180,633  |
| CRCIF                                     | Canada Research Chair in Patient Safety and Quality Improvement  | Shojania, Kaveh G.   | 24/02/2005   | \$312,526                                      | \$125,000  |
| CRCIF                                     | Gender and Migration Population Health Laboratory  | Spitzer, Denise Lee  | 24/10/2005   | \$234,647                                      | \$93,859   |
| CRCIF                                     | Molecular and Cell Biology of Hypertension   | Touyz, Rhian M   | 24/02/2005   | \$325,000                                      | \$130,000  |
| CRCIF                                     | Femtosecond laser processing of materials on sub-micron dimensions   | Vedula, Ravi Bhardwaj  | 24/10/2005   | \$532,500                                      | \$165,000  |
| CRCIF                                     | High-Throughput DNA Sequencing for Microarray Studies of Gene Expression in Marine and Freshwater Fish Species   | Walsh, Patrick J.  | 24/10/2005   | \$489,144                                      | \$104,000  |
| CRCIF                                     | High Performance Computing Hardware and Software for Computer Aided Design and Molecular Simulation of Catalysis   | Woo, Tom   | 24/10/2005   | \$370,523                                      | \$124,178  |
| IF  | Montreal Diabetes Research Centre: From Biology to Innovative Therapies  | Arnason, J.  |  | \$312,000                                      | \$46,000   |
| IF  | Accelerated Discovery of Advanced Catalysts and Catalytic Processes  | Sayari, Abdelhamid   | 16/12/2004   | \$19,306,758                                   | \$2,400,579  |
| LEF                                       | Cardiovascular PET Molecular Imaging Program   | Beanlands, Rob   | 15/03/2007   | \$8,332,831                                    | \$3,265,852  |
| LOF                                       | Computing infrastructure supporting theoretical developments in molecular evolution, genomics and bioinformatics   | Aris-Brosou, Stephane  | 31/08/2006   | \$150,962                                      | \$41,062   |
| LOF                                       | Laboratory for Sensorimotor Neuroscience   | Balasubramaniam, Ramesh  | 31/08/2006   | \$388,941                                      | \$130,508  |
| LOF                                       | Toward New Synthetic Methods Involving Photochemistry and Transition-Metal Catalysis; Development of Enantioselective Variants; Application to the Synthesis of Bioactive Natural Products | Beauchemin, André  | 31/08/2006   | \$399,960                                      | \$159,984  |
| LOF                                       | Research Facility for the "Aging and Movement" research program  | Bilodeau, Martin   | 31/08/2006   | \$270,114                                      | \$108,045  |
| LOF                                       | Establishment of an experimental embryology, microscopy and electrophysiology laboratory to study the molecular basis of congenital neuronal defects and stroke recovery.                  | Chen, Hsiao-Huei   | 31/08/2006   | \$350,000                                      | \$140,000  |
| LOF                                       | Laboratory for Cryospheric Research  | Copland, Luke  | 21/12/2006   | \$514,571                                      | \$205,829  |
| LOF                                       | Infrastructure for Smart Autonomous Mobile Robots for Rescue Missions (SAMRRM)   | Gueaieb, Wail  | 21/12/2006   | \$179,281                                      | \$62,864   |
| LOF                                       | Marine Minerals Research Laboratory  | Hannington, Mark   | 31/08/2006   | \$250,842                                      | \$100,336  |
| LOF                                       | Brain and Language Laboratory  | Kazanina, Nina   | 21/12/2006   | \$356,085                                      | \$142,304  |
| LOF                                       | Mechanisms of Pseudomonas aeruginosa Biofilm-specific Resistance to Antibiotics  | Mah, Thien-Fah   | 31/08/2006   | \$310,493                                      | \$124,191  |
| LOF                                       | The Research Unit on Childhood Hearing Impairment  | Marcoux, André   | 21/12/2006   | \$467,509                                      | \$126,351  |
| LOF                                       | Knowledge Discovery and Data Mining Laboratory at the School of Management, University of Ottawa   | Raahemi, Bijan   | 31/08/2006   | \$39,102                                       | \$15,085   |
| LOF                                       | Title: Laboratory for the quantitative analysis of morphogenesis   | Rolland-Lagan, Anne-Gaelle                                     | 31/08/2006   | \$250,346                                      | \$100,000  |

| <b><i>Institution / Établissement</i></b> |  | <b><i>Ministry Decision /<br/>Décision<br/>ministère</i></b>   | <b><i>Total Costs /<br/>Coût<br/>total</i></b> | <b><i>Max. ORF<br/>contribution /<br/>Contribution<br/>max. du FRO</i></b> |           |
|---|--|--|--|--|-----------|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |           |
| LOF                                       | Bioimaging laboratory  | Stewart, Alexandre   | 31/08/2006                                     | \$283,398  | \$113,359 |
| LOF                                       | Laboratory for Integrative Microbiology  | Stintzi, Alain   | 31/08/2006                                     | \$347,998  | \$139,199 |
| LOF                                       | High throughput screening to identify novel oncolytic viruses and mechanisms of therapeutic action                                 | Stojdl, David  | 31/08/2006                                     | \$493,750  | \$140,000 |
| LOF                                       | A multimedia centre for research in counsellor supervision training.   | Therault, Anne   | 21/12/2006                                     | \$125,875  | \$50,350  |
| LOF                                       | Laboratory for human embryonic stem cell research and regenerative medicine  | Wang, Lisheng  | 21/12/2006                                     | \$349,990  | \$139,998 |
| LOF                                       | Equipment for studying cannabinoid receptor coupling with opioid and dopamine receptors  | Zhang, Xia   | 21/12/2006                                     | \$452,050  | \$170,000 |
| LOF                                       | Fermentation of Recombinant Organisms for the Production of Functional Proteins  | Zhang, Zisheng   | 21/12/2006                                     | \$169,033  | \$64,109  |
| LOF-1                                     | Childhood Obesity Research Unit (CORU)   | Adamo, Kristi  | 15/05/2007                                     | \$291,759  | \$103,478 |
| LOF-1                                     | Laboratory for optical metro edge and access networks  | Anis, Hanan  | 15/05/2007                                     | \$165,021  | \$62,863  |
| LOF-1                                     | Establishment of Facilities for the Study of Mechanisms for Neuroprotection and Neuroregeneration following Cavernous Nerve Injury | Bella, Anthony   | 11/08/2008                                     | \$166,666  | \$66,666  |
| LOF-1                                     | Neuromuscular and Rehabilitation Research Unit (NRRU)  | Benoit, Daniel L   | 11/08/2008                                     | \$746,490  | \$297,871 |
| LOF-1                                     | e-Marketplaces for Safe and Fair Trade (e-MP) Laboratory   | Benyoucef, Morad   | 04/09/2007                                     | \$97,705   | \$39,080  |
| LOF-1                                     | Computational statistics and machine learning for functional genomics data integration and analysis                                | Bickel, David  | 22/04/2008                                     | \$57,721   | \$23,088  |
| LOF-1                                     | Functional genomic laboratory for the interdisciplinary study of the transcriptional control of muscle development.                | Blais, Alexandre   | 04/09/2007                                     | \$273,670  | \$105,178 |
| LOF-1                                     | State-of-the-art Solid-State NMR Spectrometer  | Bryce, David   | 22/04/2008                                     | \$625,000  | \$250,000 |
| LOF-1                                     | Evolution of animal energetics laboratory  | Darveau, Charles-A.  | 04/09/2007                                     | \$255,035  | \$102,014 |
| LOF-1                                     | Laboratory for neurobiology and cell physiology  | Jonz, Michael  | 22/04/2008                                     | \$249,712  | \$99,885  |
| LOF-1                                     | Gordon F. Henderson Chair Laboratory in Globalization and Human Rights   | Lamarche, Lucie  | 11/08/2008                                     | \$237,452  | \$94,376  |
| LOF-1                                     | Facilities for Bioprocess Engineering Studies  | Lan, Christopher Q.  | 15/05/2007                                     | \$127,465  | \$50,985  |
| LOF-1                                     | Emerging Technologies and Innovation Management (ETIM) Laboratory  | Linton, Jonathan   | 15/05/2007                                     | \$59,090   | \$23,636  |
| LOF-1                                     | University of Ottawa's Faculty of Education Innovation in eLearning Research Laboratory: Demonstrations of the Possible            | MacDonald, Colla J.  | 15/05/2007                                     | \$100,000  | \$40,000  |
| LOF-1                                     | MET Research: Computing Laboratory to Support Clinical Decision Making at the Point of Care in the Emergency Department            | Michalowski, Wojtek  | 04/09/2007                                     | \$261,041  | \$103,900 |
| LOF-1                                     | Sound Patterns Laboratory  | Mielke, Jeffrey  | 11/08/2008                                     | \$278,099  | \$107,933 |
| LOF-1                                     | Molecule-Based Magnetic Materials  | Murugesu, Muralee  | 22/04/2008                                     | \$562,500  | \$225,000 |
| LOF-1                                     | Laboratory for Functional Proteomics and Chromosome Dynamics   | Rudner, Adam   | 26/06/2007                                     | \$265,054  | \$106,025 |
| LOF-1                                     | Protection of critical infrastructure against blast hazard   | Saatcioglu, Murat  | 04/09/2007                                     | \$490,000  | \$196,000 |
| LOF-1                                     | Spectral Probes of Semiconductor Nanosystems   | Schriemer, Henry   | 26/06/2007                                     | \$161,879  | \$64,625  |
| LOF-1                                     | fMRI and MR Perfusion Improvements with an 8 Channel Phased Array Head Coil  | Smith, Andra   | 15/05/2007                                     | \$242,486  | \$97,138  |
| LOF-1                                     | Laboratory for molecular systematics   | Starr, Julian  | 11/08/2008                                     | \$224,675  | \$89,683  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-1                                     | Translational Strategies for Vascular Repair and Regeneration  | Stewart, Duncan  | 11/08/2008   | \$793,126                                  | \$294,000  |
| LOF-1                                     | Pediatric Bone Health  | Ward, Leanne   | 22/04/2008   | \$252,587                                  | \$100,000  |
| LOF-2                                     | Canadian Research Chair in Ethics and Contemporary Society   | Castle, David  | 15/05/2007   | \$132,584                                  | \$53,034   |
| LOF-2                                     | Orthopaedic Bioengineering Laboratory for the Study of Musculoskeletal Diseases  | Catelas, Isabelle  | 22/04/2008   | \$323,514                                  | \$129,384  |
| LOF-2                                     | Integrating Technologies in the Study of Circadian Rhythms in Mammalian Model Systems: Biochemical, Molecular, Cellular, Genetic, Behavioural and Microscopic Imaging Approaches | Cheng, Hai-Ying Mary   | 11/08/2008   | \$798,312                                  | \$310,000  |
| LOF-2                                     | X-ray crystallography and functional biochemistry laboratory studying cancer-related histone-modifying enzymes.  | Couture, Jean-Francois   | 11/08/2008   | \$986,637                                  | \$390,807  |
| LOF-2                                     | Laboratory for Biomolecular Assemblies   | Harden, James  | 15/05/2007   | \$249,900                                  | \$99,960   |
| LOF-2                                     | Device Characterisation Laboratory for Photonic Nanostructures and Integrated Devices  | Hinzer, Karin  | 04/09/2007   | \$299,997                                  | \$119,999  |
| LOF-2                                     | Genetic and network analysis to characterize pathological systems related to cardiac function and the metabolic syndrome   | Hubner, Norbert  | 22/04/2008   | \$867,832                                  | \$345,000  |
| LOF-2                                     | High Performance Computer for Numerical Simulations of Earth System Evolution  | Milne, Glenn   | 04/09/2007   | \$353,534                                  | \$130,000  |
| LOF-2                                     | High performance computer cluster for the investigation of light-matter interaction on the nanoscale   | Ramunno, Lora  | 15/05/2007   | \$374,967                                  | \$150,000  |
| LOF-2                                     | Canada Research Chair Information Law Laboratory   | Scassa, Teresa   | 22/04/2008   | \$160,707                                  | \$64,283   |
| LOF-2                                     | Understanding Parkin Gene Expression: A Key Step for Future Parkinson Therapy  | Schlossmacher, Michael   | 15/05/2007   | \$312,500                                  | \$125,000  |
| LOF-2                                     | Brain and behaviour laboratory for the study of peer relations   | Vaillancourt, Tracy  | 22/04/2008   | \$261,131                                  | \$99,720   |
| LOF-2                                     | Canada Research Chair in Public Health Policy  | Wilson, Kumanan  | 11/08/2008   | \$107,766                                  | \$40,477   |
| NIF                                       | Development of a Canadian Cardiovascular Genetics Centre - the first centre in Canada dedicated to genetics of Cardiovascular Disease  | Roberts, Robert  | 15/03/2007   | \$11,783,365                               | \$4,713,346  |
| NOF                                       | The Proteomics REsearch and DiagnostiC Technology (PREDICT) Studio   | Adams, Carlisle  | 22/07/2005   | \$257,500                                  | \$103,000  |
| NOF                                       | Infrastructure for Advanced Research in Portable Non-Invasive Biomedical Monitoring Technologies   | Adler, Andy  | 24/02/2005   | \$130,022                                  | \$47,428   |
| NOF                                       | Exploration of neuro-functional mechanisms that may contribute to episode memory impairment in reality testing observed in schizophrenic patients.                               | Boyer, Patrice   | 24/10/2005   | \$90,665                                   | \$36,266   |
| NOF                                       | Laboratoire des medias audiovisuels pour les cultures et societes (LAMAC&S) / Audiovisual Media Lab for the Study of Culture and Society   | De B'Berl, Boulou Ebanda                                       | 26/06/2006   | \$183,839                                  | \$72,086   |
| NOF                                       | Laboratory for Qualitative Research Methods in Environment and Health Geography  | Driedger, S. Michelle  | 24/02/2005   | \$167,395                                  | \$66,958   |
| NOF                                       | Child and adult French reading and language and communication disorders laboratory   | Ducharme, D.A.   | 22/07/2005   | \$81,439                                   | \$32,576   |
| NOF                                       | Automated microbial culture facility for experimental evolution.   | Kassen, Rees   | 24/02/2005   | \$602,501                                  | \$200,001  |
| NOF                                       | Canadian Integrative Facility for Ecoinformatics Research (CIFER)  | Kerr, Jeremy   | 24/02/2005   | \$353,544                                  | \$100,000  |
| NOF                                       | Impaired Cytotoxic T cell Function and its Role in HIV Pathogenesis  | Kryworuchko, Marko   | 24/02/2005   | \$188,308                                  | \$75,000   |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision / Décision ministère</i></b> | <b><i>Total Costs / Coût total</i></b> | <b><i>Max. ORF contribution / Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program / Programme</i></b>         | <b><i>Project Title / Titre du projet</i></b>  | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| NOF                                       | Impact of Reinforcement Corrosion on Serviceability and Strength of reinforced Concrete Structures   | Martin-Perez, Beatriz                                      | 24/02/2005   | \$135,759                              | \$52,097   |
| NOF                                       | Optimal Shape Design Laboratory  | Novruzi, Arian   | 24/02/2005   | \$159,094                              | \$53,065   |
| NOF                                       | Systems for RNA structure/function relationship studies.   | Pelchat, Martin  | 24/02/2005   | \$244,221                              | \$97,689   |
| NOF                                       | Improving Emergency Department Care Using Information Technology   | Perry, Jeffrey   | 24/02/2005   | \$403,668                              | \$100,426  |
| NOF                                       | Acoustic measurement of flow and sediment transport for analysis of river channel change.  | Rennie, Colin  | 24/02/2005   | \$107,130                              | \$41,000   |
| NOF                                       | Collaborative Virtual Presence Modelling, Communications, and Applications   | Shirmohammadi, Shervin                                     | 26/06/2006   | \$160,843                              | \$60,832   |
| NOF                                       | Research Laboratory for Exploring the Teaching and Learning of Mathematics   | Suurtamm, Christine  | 24/02/2005   | \$249,879                              | \$99,951   |
| NOF                                       | New Perspectives on Nursing Shortages through Canadian Census Data   | Toman, Cynthia   | 22/07/2005   | \$17,805                               | \$7,122  |
| NOF                                       | The Ontario Cardiac Arrest Registry: an integrated data system measuring and improving out-of-hospital cardiac arrest and other critically ill patient outcomes. | Vaillancourt, Christian                                    | 24/02/2005   | \$175,000                              | \$70,000   |

### ***University of Toronto***

***Total: 234 \$219,116,792 \$61,804,805***

|       |   |                    |            |           |           |
|-------|---|--------------------|------------|-----------|-----------|
| CA    | The First Galaxies  | Abraham, Roberto   | 22/07/2005 | \$283,600 | \$113,440 |
| CA    | CSCB: Centre for Stem Cell Bioengineering   | Zandstra, Peter W. | 22/07/2005 | \$452,705 | \$154,920 |
| CRCIF | The Integrative Study of Genetics in Evolutionary Ecology   | Agrawal, Aneil     | 24/02/2005 | \$663,000 | \$265,200 |
| CRCIF | Infrastructure for the enhancement of laboratory facilities for investigating the role of stem cells in mesenchymal tumours | Alman, Benjamin    | 24/10/2005 | \$859,425 | \$343,770 |
| CRCIF | Automated Inverted Microscope for live cell imaging and photoactivation/photobleaching                                      | Attisano, Liliana  | 24/02/2005 | \$363,117 | \$130,961 |
| CRCIF | Infrastructure for recombinant protein expression, purification, structural and functional analysis                         | Behrends, Soenke   | 24/02/2005 | \$271,393 | \$105,000 |
| CRCIF | Psychological and Neural Bases of Visual Cognition  | Behrmann, Marlene  | 21/12/2006 | \$300,000 | \$120,000 |
| CRCIF | Molecular Analysis of Hypothalamic Function   | Belsham, Denise D  | 24/02/2005 | \$312,500 | \$125,000 |
| CRCIF | Global History Research Technology Centre   | Bender, Daniel E.  | 24/10/2005 | \$38,139  | \$15,255  |
| CRCIF | Infrastructure for whole genome alignment pipeline and supporting computational genomics                                    | Brudno, Michael    | 21/12/2006 | \$346,516 | \$102,628 |
| CRCIF | Life Career Development   | Chen, Charles P.   | 31/08/2006 | \$308,750 | \$123,500 |
| CRCIF | Molecular Mechanisms Driving the Evolution of Fungal Pathogens and their Hosts  | Cowen, Leah E.     | 21/12/2006 | \$749,710 | \$299,188 |
| CRCIF | Designing Learning Environments for Literacy Development and Knowledge Generation in a Diverse Society                      | Cummins, James     | 31/08/2006 | \$415,425 | \$166,170 |
| CRCIF | Evolution of breeding system in Caenorhabditis nematodes: Genomics, population genetics, and experimental evolution.        | Cutter, Asher      | 26/06/2006 | \$432,500 | \$173,000 |
| CRCIF | Canada Research Chair on the Biological Chemistry of Metalloproteins  | Deborah Zamble     | 31/08/2006 | \$119,733 | \$47,893  |
| CRCIF | Angiogenic and Lymphangiogenic Signaling  | Dumont, Daniel     | 22/07/2005 | \$311,958 | \$124,783 |
| CRCIF | Expansion of the DNA Damage Response Laboratory   | Durocher, Daniel   | 21/12/2006 | \$438,529 | \$175,412 |
| CRCIF | Evidence-Based Technological Innovation and Technology Management for Global Health Risks.                                  | Ezzati, Majid      | 22/07/2005 | \$124,799 | \$49,890  |

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|---|---|--|--|--|--|
| <b><i>Program / Programme</i></b>         | <b><i>Project Title / Titre du projet</i></b>   | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| CRCIF                                     | Neural, autonomic, affective, and behavioural responsiveness to infant cues in low and high risk human mothers: Relation to gene polymorphisms                                      | Fleming, Alison  | 26/06/2006   | \$503,332                              | \$201,333  |
| CRCIF                                     | Youth and Urban School Performances   | Gallagher, Kathleen  | 24/02/2005   | \$179,300                              | \$71,717   |
| CRCIF                                     | Using chemical probes to explore gene function in <i>Saccharomyces cerevisiae</i> and to characterize chemotherapeutics   | Giaever, Guri Nina   | 31/08/2006   | \$528,800                              | \$211,520  |
| CRCIF                                     | Functional Proteomics of PP2A - type phosphatases   | Gingras, Anne-Claude                                       | 21/12/2006   | \$416,290                              | \$159,622  |
| CRCIF                                     | Molecular Craniofacial Biology  | Gong, Siew-Ging  | 26/06/2006   | \$311,276                              | \$124,510  |
| CRCIF                                     | Neuroplasticity in Aging  | Grady, Cheryl L.   | 24/02/2005   | \$296,942                              | \$118,777  |
| CRCIF                                     | The Study of epithelial polarity in <i>Drosophila</i>   | Harris, Tony J.C   | 26/06/2006   | \$897,500                              | \$359,000  |
| CRCIF                                     | Imaging Research Laboratory   | Hynynen, Kullervo  | 24/10/2005   | \$850,500                              | \$340,200  |
| CRCIF                                     | Infrastructure for Novel Techniques to Characterize Mass-Selected Biological Ions and their Complexes   | Jockusch, Rebecca A.                                       | 31/08/2006   | \$1,335,441                            | \$510,000  |
| CRCIF                                     | Molecular regulators involved in the lineage-specific differentiation of mouse and human embryonic stem cells   | Keller, Gordon   | 21/12/2006   | \$1,312,500                            | \$525,000  |
| CRCIF                                     | Advanced Materials Synthesis and Characterization Facility  | Kim, Young-June  | 22/07/2005   | \$600,000                              | \$240,000  |
| CRCIF                                     | Facility for Plant Culture and Analysis at the University of Toronto at Scarborough   | Kronzucker, Herbert J.                                     | 24/10/2005   | \$300,000                              | \$120,000  |
| CRCIF                                     | Facility for Surface Patterning and Characterization  | Kumacheva, Eugenia   | 31/08/2006   | \$312,500                              | \$125,000  |
| CRCIF                                     | Canadian Centre for Ethnography   | Lambek, Michael  | 31/08/2006   | \$43,601                               | \$17,440   |
| CRCIF                                     | Supporting Educational Success through Evidence-Informed Policy and Practice  | Levin, Benjamin  | 11/08/2008   | \$495,000                              | \$198,000  |
| CRCIF                                     | Neurogenetics Infrastructure  | Levine, Joel D.  | 24/02/2005   | \$730,335                              | \$292,134  |
| CRCIF                                     | Immunopathogenesis of Sepsis-Related Acute Lung Injury and Multiple Organ Dysfunction Syndrome  | Liles, W. Conrad   | 31/08/2006   | \$312,500                              | \$125,000  |
| CRCIF                                     | The Development of state-of-the-art Bio-Molecular and Tissue Culture Facilities to investigate the antibody response to pathogens   | Martin, Alberto  | 24/02/2005   | \$303,465                              | \$119,589  |
| CRCIF                                     | Identification of genetic causes of paediatric neurological conditions and using these to uncover the cellular pathways involved and determine the ways in which they are disturbed | Minassian, Berge   | 21/12/2006   | \$491,960                              | \$196,784  |
| CRCIF                                     | Molecular Therapeutics and Clinical Proteomics  | Moran, Michael   | 24/10/2005   | \$312,500                              | \$125,000  |
| CRCIF                                     | Infrastructure Requirements for Field Measurements of Reactive Nitrogen in the Atmosphere   | Murphy, Jennifer   | 21/12/2006   | \$650,000                              | \$260,000  |
| CRCIF                                     | Infrastructure for the development and characterization of smart and functional polymers  | Naguib, Hani E.  | 31/08/2006   | \$496,491                              | \$198,597  |
| CRCIF                                     | Proteomic Analysis of Ubiquitin-Like Modifiers  | Raught, Brian  | 26/06/2006   | \$312,500                              | \$125,000  |
| CRCIF                                     | Equipment necessary for lab setup to investigate the molecular mechanisms of amyotrophic lateral sclerosis  | Robertson, Janice  | 22/07/2005   | \$314,629                              | \$125,000  |
| CRCIF                                     | Infrastructure for the enhancement of laboratory to investigate molecular mechanisms to control the formation of normal and abnormal mammalian kidneys                              | Rosenblum, Norman  | 24/10/2005   | \$861,857                              | \$295,093  |
| CRCIF                                     | Infrastructure for Biomolecular-Enabled Nanotechnology and Photonics  | Sargent, Edward (Ted) H.                                   | 26/06/2006   | \$360,000                              | \$144,000  |
| CRCIF                                     | Infrastructure for a state-of-the-art Laboratory for Cellular Mechanobiology  | Simmons, Craig   | 26/06/2006   | \$319,648                              | \$127,859  |

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| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| CRCIF                                     | Cognitively Informed Technologies for Education (CITE)   | Slotta, James D.   | 31/08/2006   | \$415,000                                  | \$166,000  |
| CRCIF                                     | Knowledge translation and quality improvement in health care   | Straus, Sharon E.  | 24/02/2005   | \$304,050                                  | \$118,595  |
| CRCIF                                     | Using technology to bridge neuroscience, children's mental health, and educational practice  | Tannock, Rosemary  | 31/08/2006   | \$596,990                                  | \$238,796  |
| CRCIF                                     | Analytical Equipment for Innovations in Nanoscience of Self-Assembled Materials  | Walker, Gilbert C.   | 22/07/2005   | \$1,100,000                                | \$440,000  |
| CRCIF                                     | Laboratories for Microfluidic Device Design and High-Throughput Analysis   | Wheeler, Aaron   | 21/12/2006   | \$1,049,880                                | \$419,952  |
| CRCIF                                     | Infrastructure for Computational Biology and Bioinformatics  | Wodak, Shoshana  | 24/10/2005   | \$1,125,365                                | \$450,146  |
| CRCIF                                     | BD-LSR-II flow cytometer   | Zúñiga-Pflücker, Juan Carlos                                   | 22/07/2005   | \$1,632,721                                | \$653,088  |
| IF  | Nanofabrication of Metamaterials   | Aitchison, J Stewart   | 16/12/2004   | \$11,922,411                               | \$1,456,492  |
| IF  | Large Optical Telescope (LOT)  | Carlberg, Ray  | 20/12/2004   | \$10,000,000                               | \$2,000,000  |
| IF  | The Polar Environment Atmospheric Research Laboratory (PEARL) at Eureka  | Drummond, James  | 16/12/2004   | \$8,721,306                                | \$815,590  |
| IF  | Southern Ontario Centre for Atmospheric Aerosol Research (SOCAAR).   | Evans, Greg  | 16/12/2004   | \$3,144,038                                | \$390,926  |
| IF  | Intelligent Design for Adaptation, Participation and Technology (IDAPT): Innovative Rehabilitation for People in Challenging Environments  | Fernie, Geoffrey   | 16/12/2004   | \$18,398,069                               | \$2,287,775  |
| IF  | Facilities for Manufacturing Microcellular and Nanocellular Plastics with Superior Properties with Lowered Weights   | Park, Chul   | 16/12/2004   | \$1,864,375                                | \$231,854  |
| IF  | Centre for Biological Timing and Cognition (CBTC)  | Ralph, Martin  | 16/12/2004   | \$25,140,502                               | \$3,126,473  |
| IF  | Infrastructure Facility for Centre for Biocomposites and Biomaterials Processing   | Sain, Mohini   | 16/12/2004   | \$5,762,281                                | \$704,982  |
| IF  | Establishment of a national GLP Core Facility to Monitor Immune Responses in Humans to Prophylactic and or Therapeutic Vaccines Against Infectious Diseases, Cancer and Autoimmunity | Watts, Tania   | 16/12/2004   | \$914,122                                  | \$113,680  |
| IF  | Rock Fracture Dynamics Facility: Experimental rock deformation and geophysical imaging for validation of coupled-process numerical modelling   | Young, Paul  | 16/12/2004   | \$4,949,937                                | \$615,574  |
| LEF                                       | Centre for Plant Phenogenomics   | Guttman, David   | 15/03/2007   | \$5,392,050                                | \$2,002,758  |
| LEF                                       | 800 MHz NMR Spectrometer Enhancement   | Kay, Lewis   | 15/03/2007   | \$1,327,947                                | \$531,179  |
| LEF                                       | An Integrated Centre for Surface and Interfacial Analysis of Advanced Materials  | Mims, Charles  | 15/03/2007   | \$3,411,949                                | \$1,361,065  |
| LOF                                       | Role of subcellular localization of key sphingosine-1-phosphate (S1P)-related signaling proteins in microvascular function.  | Bolz, Steffen-Sebastian  | 31/08/2006   | \$607,760                                  | \$243,103  |
| LOF                                       | Bone Engineering   | Davies, J.E.   | 31/08/2006   | \$991,319                                  | \$396,553  |
| LOF                                       | Systems Biology Facility for Proteomics of Plant-Microbe Interactions  | Desveaux, Darrell  | 31/08/2006   | \$499,914                                  | \$199,894  |
| LOF                                       | Quaternary Paleoecology Laboratory   | Finkelstein, Sarah   | 31/08/2006   | \$389,459                                  | \$155,784  |
| LOF                                       | High-throughput cell and molecular biology facility for functional genomics studies of developmental phase transitions and hormone cross-talk in plants.                             | Gazzarrini, Sonia  | 31/08/2006   | \$250,000                                  | \$100,000  |
| LOF                                       | Infrastructure for Semantic Technologies Laboratory  | Gruninger, Michael   | 21/12/2006   | \$350,000                                  | \$113,821  |

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| LOF                                       | Facility integrating 2-photon imaging and electrophysiology for neurodevelopmental research  | Lambe, Evelyn K.   | 31/08/2006   | \$756,004                                  | \$302,401  |
| LOF                                       | Developing Social Brains   | Lewis, Marc & Lee, Kang  | 31/08/2006   | \$599,368                                  | \$239,747  |
| LOF                                       | Development Platform and Testbed for Peer Network Protocol Architectures   | Liebeherr, Jorg  | 31/08/2006   | \$500,000                                  | \$200,000  |
| LOF                                       | Laboratory of Metabolic Systems Engineering  | Mahadevan, Radhakrishnan                                       | 21/12/2006   | \$255,392                                  | \$102,150  |
| LOF                                       | Biotechnology for Wood Fibre Processing and Engineering  | Master, Emma R,  | 21/12/2006   | \$250,000                                  | \$100,000  |
| LOF                                       | Systems biology through machine learning: adaptive computer programs for denoising, interpreting, and integrating large-scale biological databases | Morris, Quaid D.   | 21/12/2006   | \$322,183                                  | \$128,873  |
| LOF                                       | Laboratory for Cellular Systems Biology  | Provar, Nicholas J.  | 31/08/2006   | \$585,824                                  | \$234,313  |
| LOF                                       | Laboratory for Functional Tissue Engineering   | Radisic, Milica  | 31/08/2006   | \$281,875                                  | \$112,750  |
| LOF                                       | Numerical Astrophysical Laboratory for Planetary Studies   | Rafikov, Roman   | 31/08/2006   | \$500,000                                  | \$200,000  |
| LOF                                       | An NMR Spectrometer for the Investigation of Environmental Soil Processes and Toxicity In-Situ   | Simpson, Andre   | 21/12/2006   | \$940,515                                  | \$300,000  |
| LOF                                       | A protein interaction network of the yeast MRP-subfamily of ABC transporters   | Stagljär, Igor   | 21/12/2006   | \$442,284                                  | \$176,627  |
| LOF                                       | A Supercomputer for Numerical Simulations of Planetary Dynamos   | Stanley, Sabine  | 21/12/2006   | \$319,049                                  | \$100,000  |
| LOF-1                                     | Infrastructure to study the etiology of pregnancy complications  | Adamson, Lee   | 11/08/2008   | \$976,361                                  | \$390,545  |
| LOF-1                                     | The Active Human Cell Map - Enabling Molecular and Genomic Medical Research  | Bader, Gary D.   | 04/09/2007   | \$356,292                                  | \$142,517  |
| LOF-1                                     | High Temperature Materials Processing Research Laboratory  | Barati, Mansoor  | 22/04/2008   | \$230,307                                  | \$92,043   |
| LOF-1                                     | Advanced soil biogeochemistry and microbial ecology research facility  | Basiliko, Nathan   | 22/04/2008   | \$210,770                                  | \$84,308   |
| LOF-1                                     | Infrastructure of Enable Flexible Organic-based Photovoltaics to Achieve Broad Spectral Absorption and High Efficiency                             | Bender, Timothy P.   | 26/06/2007   | \$586,710                                  | \$234,694  |
| LOF-1                                     | A precision laboratory system for high resolution environmental analysis   | Bollmann, Jorg   | 26/06/2007   | \$978,354                                  | \$333,912  |
| LOF-1                                     | Studies on the role of T cells in the Inflammatory Bowel Diseases  | Croitoru, Kenneth  | 11/08/2008   | \$109,544                                  | \$43,815   |
| LOF-1                                     | Genetics and Imaging in Nervous System Development   | Culotti, Joseph; Dennis, Jim; Zhen, Mei                        | 26/06/2007   | \$987,964                                  | \$395,186  |
| LOF-1                                     | The Study of Nuclear Hormone Receptors in Metabolic Disease  | Cummins, Carolyn L.  | 11/08/2008   | \$440,438                                  | \$176,169  |
| LOF-1                                     | Modern Laboratory for Innovation in Organic Synthesis and Catalysis  | Dong, Vy   | 04/09/2007   | \$1,050,000                                | \$380,000  |
| LOF-1                                     | BioZone: A Modern Collaborative Bioengineering Research Facility   | Edwards, Elizabeth   | 22/04/2008   | \$545,370                                  | \$218,144  |
| LOF-1                                     | Proteomic Facility for Biomarker Discovery and Validation  | Emili, Andrew  | 11/08/2008   | \$355,381                                  | \$135,268  |
| LOF-1                                     | Geodetic urban monitoring facility for Canada  | Fotopoulos, Georgia  | 22/04/2008   | \$380,696                                  | \$149,787  |
| LOF-1                                     | Advanced Packet Switch and Network Laboratory  | Ganjali, Yashar  | 11/08/2008   | \$381,508                                  | \$120,000  |
| LOF-1                                     | Using Bone Marrow Transplantation for Analysis of Gene Function in Disease   | Gommerman, Jennifer  | 04/09/2007   | \$526,095                                  | \$210,438  |

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| LOF-1                                     | Maximum information from single-molecule fluorescence: An innovative microscope for dynamics studies of biological molecules  | Gradinaru, Claudiu   | 04/09/2007   | \$580,000                                  | \$232,000  |
| LOF-1                                     | Facility for Microfluidics-Enabled Formation, Assembly and Integration of Structured (Bio)Materials   | Guenther, Axel   | 04/09/2007   | \$309,357                                  | \$100,000  |
| LOF-1                                     | Developing Small Molecule Modulators of Protein-Protein Interactions  | Gunning, Patrick T.  | 11/08/2008   | \$329,724                                  | \$131,890  |
| LOF-1                                     | Stress and memory: Physiology, brain, and behaviour in infants, children, and parents   | Haley, David   | 22/04/2008   | \$100,000                                  | \$40,000   |
| LOF-1                                     | Paleoclimate Laboratory   | Halfar, Jochen   | 04/09/2007   | \$297,305                                  | \$118,922  |
| LOF-1                                     | Reconfigurable Antenna Design and Characterization Facility   | Hum, Sean Victor   | 22/04/2008   | \$253,761                                  | \$101,504  |
| LOF-1                                     | Coping with stigma: The neural, physiological, and behavioural consequences of prejudice  | Inzlicht, Michael  | 26/06/2007   | \$124,973                                  | \$49,995   |
| LOF-1                                     | Infant and Toddler Laboratory for the Study of Language Development   | Johnson, Elizabeth   | 11/08/2008   | \$195,364                                  | \$78,145   |
| LOF-1                                     | An Integrated Facility for Studying Protein Structure, Dynamics, Interactions, and Function by NMR and Fluorescence Spectroscopy                                      | Kanelis, Voula   | 11/08/2008   | \$204,278                                  | \$80,000   |
| LOF-1                                     | Molecular Mechanisms of Neurodegeneration After Traumatic CNS Injury and Stroke   | Koeberle, Paulo  | 15/05/2007   | \$430,970                                  | \$120,458  |
| LOF-1                                     | Medicinal Chemistry Infrastructure  | Kotra, Lakshmi   | 22/04/2008   | \$991,450                                  | \$396,580  |
| LOF-1                                     | Implementing a laboratory to develop new medications for drug dependence  | Le Foll, Bernard   | 22/04/2008   | \$500,000                                  | \$200,000  |
| LOF-1                                     | Infrastructure for the study of photonic integrated bio-sensors and biomedical imaging systems  | Levi, Ofer   | 22/04/2008   | \$375,000                                  | \$150,000  |
| LOF-1                                     | Creation of a Laboratory to Study Crosstalk Between Aryl Hydrocarbon Receptor and Estrogen Receptor Signalling Pathways   | Matthews, Jason  | 15/05/2007   | \$496,721                                  | \$198,500  |
| LOF-1                                     | Facility for Integrative Drosophila Biology and the Mitochondrial Cell Death Machine  | McQuibbian, G. Angus   | 26/06/2007   | \$275,000                                  | \$100,000  |
| LOF-1                                     | Regulation of Quiescent States in <i>S. cerevisiae</i> and <i>C. elegans</i> .  | Meneghini, Marc  | 22/04/2008   | \$550,000                                  | \$179,999  |
| LOF-1                                     | Lentiviral RNAi and high-content screening resource for identification of genes required for adaptive evolution under environmental constraints                       | Moffat, Jason  | 22/04/2008   | \$989,774                                  | \$391,086  |
| LOF-1                                     | Next-Generation Astronomical Instrumentation and Experimental Astrophysics in the Infrared and Optical Wavebands  | Moon, Dae-Sik  | 26/06/2007   | \$1,000,000                                | \$400,000  |
| LOF-1                                     | Analysis of regulatory sequences and systems  | Moses, Alan  | 11/08/2008   | \$220,000                                  | \$88,000   |
| LOF-1                                     | Molecular mechanisms underlying motor control in the normal striatum and in Parkinson's disease   | Nash, Joanne   | 15/05/2007   | \$220,969                                  | \$88,000   |
| LOF-1                                     | Brain, Behaviour, Genes: New Knowledge from Innovative Studies of Language and Reading in Monolingual and Bilingual Children Leads to Optimal Pathways to Remediation | Petitto, Laura-Ann   | 22/04/2008   | \$360,246                                  | \$141,781  |
| LOF-1                                     | Infrastructure for Epigenomic Studies of Human Disease  | Petronis, Art  | 22/04/2008   | \$543,433                                  | \$217,373  |
| LOF-1                                     | Nod proteins in infectious and inflammatory diseases  | Philpott, Dana   | 04/09/2007   | \$327,834                                  | \$124,754  |
| LOF-1                                     | The Social-Cognitive Neuroscience of Human Motivation   | Plaks, Jason E.  | 04/09/2007   | \$177,913                                  | \$71,165   |
| LOF-1                                     | Micro/Nano-Optoelectronic Devices Laboratory  | Poon, Joyce  | 11/08/2008   | \$499,790                                  | \$199,916  |
| LOF-1                                     | VolunteersCount Infrastructure Grant  | Quarter, Jack  | 04/09/2007   | \$250,000                                  | \$100,000  |

| <b><i>Institution / Établissement</i></b> |   |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|---|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-1                                     | Centre for Urban Freight Analysis (CUFA)  | Roorda, Matthew  | 22/04/2008   | \$261,000                                  | \$100,000  |
| LOF-1                                     | Electron cryomicroscopy of macromolecular assemblies  | Rubinstein, John   | 15/05/2007   | \$1,648,305                                | \$659,322  |
| LOF-1                                     | Facilities For Integrative Study of CNS Neuroplasticity   | Salter, Michael  | 26/06/2007   | \$1,996,729                                | \$798,691  |
| LOF-1                                     | Social Information Systems Laboratory   | Saroiu, Stefan   | 11/08/2008   | \$485,915                                  | \$194,366  |
| LOF-1                                     | Research Laboratory for the molecular ecology of aquatic microorganisms   | Short, Steven M.   | 11/08/2008   | \$355,462                                  | \$142,184  |
| LOF-1                                     | Tissue organization and growth control through Fat receptor signaling   | Sicheri, Frank   | 22/04/2008   | \$992,100                                  | \$396,840  |
| LOF-1                                     | Nuclear magnetic resonance equipment for high throughput environmental metabolic profiling                                      | Simpson, Myrna   | 11/08/2008   | \$500,000                                  | \$200,000  |
| LOF-1                                     | Composite Biological Materials Laboratory   | Sone, Eli  | 22/04/2008   | \$450,051                                  | \$180,000  |
| LOF-1                                     | Infrastructure for the study of Multinuclear Transition Metal Compounds   | Song, Datong   | 26/06/2007   | \$662,504                                  | \$240,000  |
| LOF-1                                     | Laboratory for the integrative study of plant evolutionary genomics and systematics   | Stefanovic, Sasa   | 15/05/2007   | \$248,815                                  | \$99,526   |
| LOF-1                                     | Laboratory for Ecological and Evolutionary Genomics   | Stinchcombe, John  | 26/06/2007   | \$300,000                                  | \$120,000  |
| LOF-1                                     | Facility for in vivo imaging and optical manipulation of the neurocircuit in C.elegans  | Suzuki, Hiroshi  | 22/04/2008   | \$415,750                                  | \$163,998  |
| LOF-1                                     | Risk and resiliency factors for externalizing pathology: Evidence from childhood personality                                    | Tackett, Jennifer  | 22/04/2008   | \$188,157                                  | \$75,263   |
| LOF-1                                     | Laboratory for the discovery of new catalysts and functional materials  | Taylor, Mark   | 11/08/2008   | \$999,400                                  | \$330,000  |
| LOF-1                                     | Systematic Mapping and Modulation of Biological Networks  | Tyers, Michael   | 15/05/2007   | \$1,044,388                                | \$417,755  |
| LOF-1                                     | Rodent Cardiovascular and Physiological Investigations  | Verma, Subodh  | 22/04/2008   | \$336,062                                  | \$129,455  |
| LOF-1                                     | A loss-of-function RNA interference screen for key inhibitory regulators of cardiomyocyte proliferation                         | von Harsdorf, Rudiger  | 22/04/2008   | \$645,408                                  | \$258,163  |
| LOF-1                                     | Spatial Ecology and Landscape Genetics Laboratory   | Wagner, Helene   | 11/08/2008   | \$92,967                                   | \$37,187   |
| LOF-1                                     | The Laboratory for Atmospheric Spectroscopy and Applications (LASAA)  | Walker, Kaley  | 22/04/2008   | \$550,000                                  | \$211,428  |
| LOF-1                                     | Infrastructure to Explore the Evolutionary Impacts of Climate Change  | Weis, Arthur   | 22/04/2008   | \$1,508,000                                | \$603,200  |
| LOF-1                                     | Equipment for the integrated study of environmental fluid dynamics in the laboratory and field.                                 | Wells, Mathew  | 15/05/2007   | \$250,000                                  | \$100,000  |
| LOF-1                                     | An investigation of the mechanisms underlying amblyopia (lazy eye)  | Wong, Agnes  | 22/04/2008   | \$999,970                                  | \$399,988  |
| LOF-1                                     | Laboratory for Cellular and Molecular Biomechanics  | You, Lidan   | 04/09/2007   | \$250,000                                  | \$100,000  |
| LOF-1                                     | Deterioration of bulbar function in amyotrophic lateral sclerosis   | Yunusova, Yana   | 22/04/2008   | \$159,753                                  | \$63,901   |
| LOF-2                                     | Establishment of a Molecular Biology and Proteomics Laboratory for Research into Signal Transduction and Cell Death in Ischemia | Aarts, Michelle M.   | 26/06/2007   | \$557,772                                  | \$223,107  |
| LOF-2                                     | Integrative Behaviour & Neuroscience Research and Support Facility  | Andrade, Maydianne CB  | 04/09/2007   | \$631,568                                  | \$230,000  |
| LOF-2                                     | Establishment of a proteomic platform at the Faculty of Pharmacy of the University of Toronto                                   | Angers, Stephane   | 26/06/2007   | \$679,471                                  | \$217,180  |
| LOF-2                                     | Autonomous Planetary Rover Testbed  | Barfoot, Timothy   | 04/09/2007   | \$502,180                                  | \$200,872  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-2                                     | Infrastructure plan for the study of linguistic and conceptual development   | Barner, David  | 04/09/2007   | \$254,802                                  | \$100,000  |
| LOF-2                                     | Genetic Network Robotics Platform: BioMatrix High-Throughput Carousel and Imaging Systems with Control Software  | Boone, Charles   | 15/05/2007   | \$340,559                                  | \$136,224  |
| LOF-2                                     | Cardiopulmonary Rehabilitation Laboratory: Infrastructure to Generate Knowledge to Maximize Daily Function in Individuals with Chronic Obstructive Pulmonary Disease | Brooks, Dina   | 22/04/2008   | \$241,795                                  | \$96,718   |
| LOF-2                                     | Extending the Research Capabilities of the Integrated Nanotechnology/Biomedical Sciences Laboratory  | Chan, Warren   | 15/05/2007   | \$249,619                                  | \$99,848   |
| LOF-2                                     | Molecular evolution of visual pigments   | Chang, Belinda   | 11/08/2008   | \$50,000                                   | \$20,000   |
| LOF-2                                     | Transducer Fabrication Facility  | Foster, Stuart   | 04/09/2007   | \$671,443                                  | \$268,577  |
| LOF-2                                     | Computing infrastructure for information processing and machine learning   | Frey, Brendan J.   | 04/09/2007   | \$475,200                                  | \$174,921  |
| LOF-2                                     | Genetic epidemiology of complex diseases   | Gagnon, France   | 15/05/2007   | \$308,604                                  | \$123,442  |
| LOF-2                                     | New aspects of the host response to bacterial peptidoglycan  | Girardin, Stephen E.   | 15/05/2007   | \$320,080                                  | \$124,931  |
| LOF-2                                     | Cardiovascular proteomics and molecular therapeutics lab   | Gramolini, Anthony   | 04/09/2007   | \$526,351                                  | \$200,000  |
| LOF-2                                     | Infrastructure for metabolic and nutritional epidemiologic studies of diabetes and related disorders   | Hanley, Anthony  | 15/05/2007   | \$315,131                                  | \$125,000  |
| LOF-2                                     | Tools for the investigation of lipids and membranes in drug delivery and drug therapy  | Heerklotz, Heiko   | 26/06/2007   | \$506,330                                  | \$202,532  |
| LOF-2                                     | Facility for Integrative Neurobiology of Sleep and Respiratory Regulation in Health and Disease  | Horner, Richard L.   | 26/06/2007   | \$312,500                                  | \$125,000  |
| LOF-2                                     | Infrastructure for large-scale analysis of DNA-protein interactions  | Hughes, Timothy R.   | 15/05/2007   | \$312,394                                  | \$124,971  |
| LOF-2                                     | Development of a scaleable web-based data entry and management system for large scale blood-based epidemiological studies  | Jha, Prabhat   | 15/05/2007   | \$310,236                                  | \$124,094  |
| LOF-2                                     | Computational Platform for Design, Modeling, and Simulation of Photonic Crystals   | John, Sajeev   | 04/09/2007   | \$660,346                                  | \$200,000  |
| LOF-2                                     | Integrative Computational Biology: Towards Intelligent Molecular Medicine  | Jurisca, Igor  | 15/05/2007   | \$700,646                                  | \$259,392  |
| LOF-2                                     | Imaging for Women's and Infants' Health  | Juriscova, Andrea  | 04/09/2007   | \$861,081                                  | \$344,432  |
| LOF-2                                     | Infrastructure to support a molecular mucosal immunology facility  | Kaul, Rupert   | 15/05/2007   | \$259,936                                  | \$103,975  |
| LOF-2                                     | Fuel Cell Materials and Manufacturing  | Kesler, Olivera  | 22/04/2008   | \$557,473                                  | \$200,000  |
| LOF-2                                     | An Integrated Systems Biology Approach to Epithelial Ovarian Cancer: A Combined Proteomic, Transcriptomic and Bioinformatic Strategy                                 | Kislinger, Thomas  | 15/05/2007   | \$659,212                                  | \$215,608  |
| LOF-2                                     | Facility to investigate the physiology of the developing cerebral cortex   | Lambe, Evelyn K.   | 15/05/2007   | \$427,075                                  | \$170,830  |
| LOF-2                                     | Breast Cancer: New Therapeutic Approaches  | Mak, Tak W.  | 11/08/2008   | \$998,057                                  | \$379,702  |
| LOF-2                                     | Imaging and Proteomic Analysis of Matrix Signaling Pathways  | McCulloch, Christopher   | 15/05/2007   | \$319,650                                  | \$127,860  |
| LOF-2                                     | Comparative, International and Development Education Collaboration Room and the CIDEDEC Global Governance Lab  | Mundy, Karen   | 11/08/2008   | \$150,271                                  | \$60,108   |
| LOF-2                                     | Shp2/Ras Pathway in Human Disease  | Neel, Benjamin G.  | 26/06/2007   | \$1,026,165                                | \$410,466  |

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|---|---|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-2                                     | Mobile Computer-Assisted Survey Research Lab: Addressing Socio-behavioural Challenges of HIV Vaccine Development and Dissemination                | Newman, Peter A.   | 11/08/2008   | \$329,488                                  | \$126,912  |
| LOF-2                                     | Molecular characterization of the oxygen-sensing pathway  | Ohh, Michael   | 15/05/2007   | \$311,653                                  | \$123,639  |
| LOF-2                                     | Ellipsometric Porosimetry: A New Analytical Technique to Elucidate the Porosity, Optical and Mechanical Properties of Novel Nanoporous Thin Films | Ozin, Geoffrey   | 04/09/2007   | \$100,000                                  | \$40,000   |
| LOF-2                                     | Infrastructure for high-resolution three-dimensional imaging of live cells  | Pelletier, Laurence  | 11/08/2008   | \$812,945                                  | \$325,178  |
| LOF-2                                     | Microscope for real-time life imaging of cells and tissues  | Post, Martin   | 22/04/2008   | \$232,757                                  | \$93,103   |
| LOF-2                                     | Fibre-based Ultrafast Photonics and Quantum Communication Laboratory  | Qian, Li   | 15/05/2007   | \$537,220                                  | \$213,974  |
| LOF-2                                     | Cognitive Neuroscience of Memory  | Ryan, Jennifer   | 15/05/2007   | \$312,500                                  | \$125,000  |
| LOF-2                                     | Investigations of Craniofacial Pain and Sensorimotor Function in Humans and Animal Models   | Sessle, Barry  | 22/04/2008   | \$330,833                                  | \$121,662  |
| LOF-2                                     | Laboratory facilities for the production of proteins and peptides for solid state NMR based structural studies                                    | Sharpe, Simon  | 15/05/2007   | \$300,535                                  | \$120,214  |
| LOF-2                                     | Infrastructure for the enhancement of laboratory facilities to investigate the molecular basis of microbial interactions with the infected host   | Sherman, Phillip   | 22/04/2008   | \$427,348                                  | \$170,939  |
| LOF-2                                     | Neurogenetics and Behaviour Research Facility   | Sokolowski, M.B.   | 22/04/2008   | \$654,023                                  | \$261,609  |
| LOF-2                                     | Extending the Research Capabilities of the Stem Cell Bioengineering and Functional Genomics Laboratory  | Stanford, William  | 22/04/2008   | \$251,130                                  | \$100,000  |
| LOF-2                                     | Structural and Functional Organization of the Transmitter Release Site (TRS)  | Stanley, Elise   | 22/04/2008   | \$983,279                                  | \$393,311  |
| LOF-2                                     | Tools for Synthesis and Characterization of Inorganic Materials   | Stephan, Douglas   | 22/04/2008   | \$1,000,000                                | \$400,000  |
| LOF-2                                     | Advanced Imaging Workstation  | Stewart, Bryan   | 22/04/2008   | \$108,570                                  | \$43,428   |
| LOF-2                                     | A local probe for cold atoms in optical lattices  | Thywissen, Joseph  | 04/09/2007   | \$350,000                                  | \$140,000  |
| LOF-2                                     | Molecular Analysis of Cell Division   | Wilde, Andrew  | 15/05/2007   | \$231,860                                  | \$92,744   |
| NIF                                       | Facility for Advanced Bioacoustophotonics and Biomolecular Microfluidic Photoacoustics  | Mandelis, Andreas  | 15/03/2007   | \$1,682,421                                | \$661,599  |
| NIF                                       | Large-Scale Impact and High-Velocity Loading and Sensing Facility for Critical Infrastructure   | Packer, Jeffrey  | 15/03/2007   | \$8,071,955                                | \$3,228,782  |
| NIF                                       | Scanning Tunneling Spectroscopy (STS) of Molecular Wires and Corrals  | Polanyi, John  | 15/03/2007   | \$770,368                                  | \$308,147  |
| NOF                                       | Laboratory of Colloid and Formulation Engineering   | Acosta, Edgar J.   | 24/02/2005   | \$273,800                                  | \$109,520  |
| NOF                                       | Infrastructure for a Distributed Microsystems Laboratory  | Amara, Foued Ben   | 24/02/2005   | \$268,402                                  | \$107,361  |
| NOF                                       | Autonomic Computing Laboratory  | Amza, Cristiana  | 24/10/2005   | \$731,377                                  | \$292,551  |
| NOF                                       | High Performance Computing Infrastructure for Hybrid and Distributed Heuristic Search   | Beck, Christopher  | 26/06/2006   | \$189,341                                  | \$75,735   |
| NOF                                       | Infrastructure for genetically encoded, fluorescent nitric oxide receptors, modulators and sensors  | Behrends, Soenke   | 24/02/2005   | \$891,162                                  | \$356,464  |
| NOF                                       | Facility for Analysis of Vertebrate Development   | Bruce, Ashley  | 24/02/2005   | \$479,403                                  | \$191,761  |
| NOF                                       | Laboratory for Forest Genomics  | Campbell, Malcolm Matheson                                     | 22/07/2005   | \$500,000                                  | \$200,000  |

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|---|---|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| NOF                                       | Establishment of a zebrafish aquaculture facility to be used for a molecular and genetic studies of vertebrate embryonic development and cardiovascular biology | Ciruna, Brian  | 26/06/2006   | \$2,108,617                                    | \$843,449  |
| NOF                                       | Household-level Urban Socio-Ecology (HOUSE) Laboratory  | Conway, Tenley   | 26/06/2006   | \$169,047                                      | \$67,619   |
| NOF                                       | Establishing a Functional Genomics Laboratory to Study the p53 Network using C. Elegans as a Model System   | Derry, William Brent   | 24/02/2005   | \$637,352                                      | \$254,941  |
| NOF                                       | Fast Spectroscopic Techniques and Air-free Equipment for New Developments in Homogeneous Catalysis  | Fekl, Ulrich   | 22/07/2005   | \$257,557                                      | \$103,023  |
| NOF                                       | Adolescent Depressive Vulnerability through the Lens of Face-to-Face and Day-to-Day Social Interaction  | Fournier, Marc A.  | 22/07/2005   | \$148,557                                      | \$59,422   |
| NOF                                       | Intelligent Sensory Integrated Systems Laboratory   | Genov, Roman   | 24/02/2005   | \$252,576                                      | \$101,031  |
| NOF                                       | Lymph Node Microenvironments and the Regulation of T cell Responses   | Gommerman, Jennifer  | 24/02/2005   | \$310,000                                      | \$124,000  |
| NOF                                       | Establishment of a Cell Biology Laboratory for Research into Mammalian Cell Polarity  | Harrison, Rene   | 24/02/2005   | \$200,514                                      | \$80,145   |
| NOF                                       | Laboratory for Scanning 3D Shape and Physics  | Hertzmann, Aaron   | 24/02/2005   | \$500,000                                      | \$200,000  |
| NOF                                       | Novel Therapeutic Interventions for Bronchopulmonary Dysplasia: Targeting Oxidants and Growth Factors in the Newborn Rat Lung                                   | Jankov, Robert   | 24/02/2005   | \$371,677                                      | \$148,670  |
| NOF                                       | Toronto Research Laboratory for Dendrochronology, Palaeoenvironment, Archaeology and the History of Art   | Manning, Sturt W.  | 22/07/2005   | \$426,361                                      | \$140,000  |
| NOF                                       | The Role of Mismatch Repair in Somatic Hypermutation of Antibody Genes  | Martin, Alberto  | 24/02/2005   | \$306,911                                      | \$122,043  |
| NOF                                       | The Quantitative Biology Laboratory (QBL): Infrastructure for quantitative evaluation of gene expression and regulation   | McMillen, David  | 22/07/2005   | \$477,597                                      | \$191,039  |
| NOF                                       | Establishment of a molecular biology lab for research into tissue organization and growth control using Drosophila melanogaster as a model organism.            | McNeil, Helen  | 26/06/2006   | \$893,285                                      | \$357,314  |
| NOF                                       | Creation of a Laboratory to study Causes and Consequences of Genomic Instability  | McPherson, Peter   | 24/02/2005   | \$497,828                                      | \$199,031  |
| NOF                                       | Corrosion Kinetics and Morphology   | Newman, Roger  | 24/02/2005   | \$509,323                                      | \$203,729  |
| NOF                                       | Semi-Synthetic Tools to Study Glycosaminoglycans  | Nitz, Mark   | 24/10/2005   | \$425,118                                      | \$168,219  |
| NOF                                       | Facility for the Multi-Level Analysis of the Neurobiology of Respiratory Motor Control during Sleep   | Peever, John   | 24/02/2005   | \$450,800                                      | \$180,320  |
| NOF                                       | Molecular Genetics of Mammalian Hematopoietic and Vascular Development  | Puri, Mira C.  | 24/02/2005   | \$452,846                                      | \$181,138  |
| NOF                                       | Radiopharmaceutical Discovery and Development Laboratory for Translational Cancer Research  | Reilly, Raymond M.   | 24/02/2005   | \$420,358                                      | \$168,143  |
| NOF                                       | Critical Accessories for a mass Spectrometry/Proteomics Facility at the Centre for Research in Neurodegenerative Diseases                                       | Schmitt-Ulms, Gerold   | 24/02/2005   | \$102,723                                      | \$41,089   |
| NOF                                       | Thermal Ionization Mass Spectrometer for Planetary Science  | Srinivasan, Gopalan  | 24/02/2005   | \$800,000                                      | \$260,000  |
| NOF                                       | Infrastructure for Manipulation on the Micro and Nano Scales  | Sun, Yu  | 26/06/2006   | \$304,455                                      | \$121,782  |
| NOF                                       | A Real-Time Movement-Dependent Manipulation Approach for Fundamental Motor Control and Rehabilitation Research  | Tremblay, Luc  | 24/10/2005   | \$303,952                                      | \$121,581  |
| NOF                                       | Cross-disciplinary Protein Engineering Laboratory   | Truong, Kevin  | 26/06/2006   | \$375,000                                      | \$150,000  |
| NOF                                       | Cities, Health, And Neighbourhood GEomatics (CHANGE) Laboratory   | Wilson, Kathi/Kathleen   | 24/02/2005   | \$176,219                                      | \$70,488   |
| NOF                                       | Activity-Induced Plasticity of Inhibitory Synapses  | Woodin, Melanie  | 24/02/2005   | \$380,000                                      | \$152,000  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision / Décision ministère</i></b> | <b><i>Total Costs / Coût total</i></b> | <b><i>Max. ORF contribution / Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program / Programme</i></b>         | <b><i>Project Title / Titre du projet</i></b>  | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| NOF                                       | Signal transduction and networking studies in plant-pathogen interaction   | Yoshioka, Keiko  | 24/02/2005   | \$499,982                              | \$199,950  |
| NOF                                       | Social Cognitive Neuroscience of Attitudes   | Zelazo, Philip   | 24/02/2005   | \$324,827                              | \$129,929  |
| <b><i>University of Waterloo</i></b>      |  |  | <b><i>Total: 79</i></b>                              | <b><i>\$64,026,775</i></b>             | <b><i>\$19,537,024</i></b>                                     |
| CRCIF                                     | Facilities for Research in nano-biomaterials   | Chen, Pu   | 24/02/2005   | \$384,209                              | \$153,702  |
| CRCIF                                     | Molecular Biotechnology Infrastructure for Study of High-Level Recombinant Protein Production and Protein Folding                                      | Chou, Perry  | 22/07/2005   | \$358,511                              | \$130,895  |
| CRCIF                                     | Infrastructure for Canada Research Chair in Statistical Methods for Health Research at the University of Waterloo                                      | Cook, Richard  | 24/02/2005   | \$362,604                              | \$142,792  |
| CRCIF                                     | The Waterloo Health Economics Data Lab (WHEDL) at the University of Waterloo   | Curtis, Lori   | 24/02/2005   | \$87,228                               | \$34,891   |
| CRCIF                                     | Canada Research Chair in Social Cognition  | Grainne Fitzsimons   | 31/08/2006   | \$316,840                              | \$126,750  |
| CRCIF                                     | Sensor and Surveillance Technologies for Pavement and Construction Research  | Haas, Carl & Tighe, Susan                                  | 22/07/2005   | \$625,000                              | \$250,000  |
| CRCIF                                     | Infrastructure for Tetherless Computing  | Keshav, Srinivasan   | 24/02/2005   | \$518,670                              | \$199,335  |
| CRCIF                                     | Laboratory Facilities for Analysis, Design and Implementation of Communication Algorithms  | Khandani, Amir Keyvan                                      | 24/02/2005   | \$328,336                              | \$130,659  |
| CRCIF                                     | Infrastructure For Quantum Communications Research   | Leung, Debbie  | 22/07/2005   | \$523,597                              | \$185,591  |
| CRCIF                                     | Innovation and Technical Entrepreneurship Laboratory   | Levesque, Moren  | 26/06/2006   | \$57,110                               | \$22,844   |
| CRCIF                                     | Facility for Fabrication, Test, and Characterization of Nano-crystalline Silicon Thin Film Transistors and Circuits                                    | Nathan, Arokia   | 24/02/2005   | \$350,000                              | \$140,000  |
| CRCIF                                     | Solid state electrochemical and materials characterization facility  | Nazar, Linda   | 24/02/2005   | \$384,454                              | \$153,138  |
| CRCIF                                     | Analytical tools for assessing the risk of emerging threats to water quality   | Servos, Mark   | 24/02/2005   | \$705,309                              | \$279,000  |
| CRCIF                                     | Sensorimotor Control Laboratory: An Integrative Neuroimaging Approach to Basic Mechanisms and Implications for Stroke Recovery                         | Staines, W Richard   | 24/02/2005   | \$378,455                              | \$130,130  |
| CRCIF                                     | Research Infrastructure for Quantitative Risk Management at University of Waterloo   | Tan, Ken Seng  | 24/02/2005   | \$378,850                              | \$149,286  |
| CRCIF                                     | Resources for Scientific Computing and Visualization   | Wan, Justin W.L.   | 31/08/2006   | \$335,441                              | \$132,273  |
| CRCIF                                     | Digital Servo-Control System, Automated Pycnometer and Integrated Optical Microscopy-Image Analysis for State-of-the-Art Tube Bending and Hydroforming | Worswick, Michael  | 24/02/2005   | \$317,564                              | \$127,025  |
| IF  | An Experimental and Distributed Laboratory to Sustain Collaborative Work   | Mohamed, Kamel   | 16/12/2004   | \$337,290                              | \$41,945   |
| IF  | Centre for Advanced Photovoltaic Devices and Systems   | Sivonthaman, Siva  | 16/12/2004   | \$12,294,913                           | \$1,385,046  |
| LEF                                       | Submillimeter Instruments for Astronomy: building on the SCUBA-2 experience.   | Fich, Michel   | 15/03/2007   | \$6,772,280                            | \$1,055,106  |
| LOF                                       | Facility for the Advancement of Underwater Sampling Technology   | Clark, Christopher   | 31/08/2006   | \$406,168                              | \$159,000  |
| LOF                                       | Enabling Advanced Digital Ergonomics and Shoulder Biomechanics Research  | Dickerson, Clark   | 21/12/2006   | \$470,630                              | \$178,035  |
| LOF                                       | Optimizing osteoporosis diagnosis and management: a multi-faceted osteoporosis research centre   | Giangregorio, Lora   | 21/12/2006   | \$238,765                              | \$95,506   |
| LOF                                       | State-of-the-Art Facility for the Development of New Biopharmaceuticals and Biomarkers for Stress Detection  | Spafford, David  | 21/12/2006   | \$300,000                              | \$120,000  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-1                                     | MEMS Test and Characterization Laboratory  | Abdel-Rahman, Eihab  | 15/05/2007   | \$409,226                                  | \$156,048  |
| LOF-1                                     | Quantum heterostructure optoelectronic devices for THz applications  | Ban, Dayan   | 04/09/2007   | \$263,088                                  | \$100,000  |
| LOF-1                                     | Solid-state spin-based quantum information processing  | Baugh, Jonathan  | 11/08/2008   | \$300,256                                  | \$119,998  |
| LOF-1                                     | Rapid Prototyping and Mixed RF/DSP Design of Radio Systems   | Boumaiza, Slim   | 22/04/2008   | \$576,586                                  | \$230,624  |
| LOF-1                                     | Knee Injury: Impact and Tissue Assessment Facility   | Chandrashekar, Naveen  | 15/05/2007   | \$248,191                                  | \$99,145   |
| LOF-1                                     | State-of-the-Art facility for the Study of RNA Structure-Function Relationships.   | Dieckmann, Thorsten  | 15/05/2007   | \$387,010                                  | \$150,000  |
| LOF-1                                     | Cryospheric Remote Sensing Research Facility   | Duguay, Claude R.  | 04/09/2007   | \$628,867                                  | \$243,070  |
| LOF-1                                     | Integrating Reaction and Catalyst Characterization   | Epling, William  | 15/05/2007   | \$323,878                                  | \$129,551  |
| LOF-1                                     | Laboratory for Nanoparticle Synthesis and Application Development  | Henneke, Dale Edwin  | 15/05/2007   | \$324,994                                  | \$125,000  |
| LOF-1                                     | Multifunctional Nanomaterials Lab: Growth, Analysis and Applications   | Hesjedal, Thorsten   | 22/04/2008   | \$251,023                                  | \$100,000  |
| LOF-1                                     | Large area radiation imaging detectors   | Karim, Karim S   | 11/08/2008   | \$250,000                                  | \$100,000  |
| LOF-1                                     | Expansion of computational infrastructure for 3D simulations of Environmental and Geophysical Fluid Dynamics                                     | Lamb, Kevin  | 22/04/2008   | \$278,804                                  | \$78,613   |
| LOF-1                                     | Integrated Synthesis/Analysis/Computation Laboratory for Inorganic and Bioinorganic Chemistry  | Lee, Sonny C.  | 15/05/2007   | \$382,515                                  | \$150,000  |
| LOF-1                                     | Advanced Scanning Probe Microscopy facility for nanoscale and single molecule biophysics research  | Leonenko, Zoia (Zoya)  | 22/04/2008   | \$560,054                                  | \$180,000  |
| LOF-1                                     | Ultrafast Characterization of Quantum Optoelectronic and Microwave Photonic Devices and Circuits   | Majedi, Hamed  | 15/05/2007   | \$247,931                                  | \$99,173   |
| LOF-1                                     | A Low Jitter Testbench for High-Speed Data Converters  | Nairn, David G.  | 11/08/2008   | \$138,816                                  | \$50,000   |
| LOF-1                                     | Infrastructure to investigate cortical interactions among sensorimotor loci mediating hand movements in focal hand dystonia and control subjects | Nelson, Aimee J.   | 11/08/2008   | \$136,821                                  | \$40,000   |
| LOF-1                                     | Centre for Biophysical Research in Ecosystem Restoration and Rehabilitation  | Oelbermann, Maren  | 04/09/2007   | \$443,689                                  | \$177,475  |
| LOF-1                                     | Mass Spectrometer with Liquid Chromatography – to support new solvent free analytical technologies for on-site and in-vivo analysis              | Pawliszyn, Janusz  | 22/04/2008   | \$688,522                                  | \$270,230  |
| LOF-1                                     | Innovative Treatments of Obsessive-Compulsive Disorder   | Purdon, Christine  | 15/05/2007   | \$136,800                                  | \$54,720   |
| LOF-1                                     | Laboratory for optical quantum computation and communication technologies  | Resch, Kevin J.  | 04/09/2007   | \$373,150                                  | \$130,000  |
| LOF-1                                     | Laboratory for Physical and Thermodynamic Characterization of Novel Nanostructures for Applications in Chemical and Biological Systems           | Tam, Kam Chiu  | 04/09/2007   | \$365,000                                  | \$146,000  |
| LOF-1                                     | Carbon Nanotube Biomaterials   | Tang, Xiaowu (Shirley)   | 15/05/2007   | \$467,618                                  | \$150,000  |
| LOF-1                                     | Engineering of Advanced Metallic Manufacturing Processes using a Gleeble 3500 Thermomechanical Simulator   | Wells, Mary  | 22/04/2008   | \$587,645                                  | \$200,000  |
| LOF-2                                     | Multimedia production and analysis studio for the study of communication in digital new media.   | Collins, Karen   | 26/06/2007   | \$274,408                                  | \$109,548  |
| LOF-2                                     | Establishing functional magnetic resonance imaging at Grand River Hospital.  | Danckert, James  | 22/04/2008   | \$923,205                                  | \$361,323  |

| <b><i>Institution / Établissement</i></b> |   |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|---|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF-2                                     | Computational and research infrastructure for theoretical neuroscience  | Eliasmith, Chris   | 15/05/2007   | \$378,396                                  | \$151,358  |
| LOF-2                                     | Bioimaging system for studying the live transport and targeting of nanomedicines (drugs and delivery systems)                         | Foldvari, Marianna   | 26/06/2007   | \$704,221                                  | \$125,000  |
| LOF-2                                     | Clinical and Psychophysiological Research Laboratories for Investigating Anxiety Disorders  | Moscovitch, David  | 15/05/2007   | \$229,008                                  | \$91,603   |
| LOF-2                                     | Fundamental Studies and Applications of Tailored Multifunctional Nanosystems  | Radovanovic, Pavle   | 22/04/2008   | \$521,345                                  | \$205,000  |
| LOF-2                                     | Test and Measurement Equipment for Low-Power, High-Speed, High-Reliability Integrated Circuit Research Laboratory                     | Sachdev, Manoj   | 11/08/2008   | \$369,766                                  | \$145,000  |
| LOF-2                                     | Quantum Cryptography Test Bed   | Weihs, Gregor  | 04/09/2007   | \$393,560                                  | \$157,424  |
| LOF-3                                     | Islet biology core laboratory to study the metabolic regulation of insulin release  | Joseph, Jamie W.   | 11/08/2008   | \$653,914                                  | \$251,487  |
| NIF                                       | Centre for Intelligent Antenna and Radio Systems (CIARS)  | Safavi-Naeini, Safieddin                                       | 15/03/2007   | \$12,815,240                               | \$5,016,637  |
| NOF                                       | Facility for the Design of Nanometer Integrated Circuits and Design Automation  | Anis, Mohab  | 22/07/2005   | \$177,877                                  | \$70,000   |
| NOF                                       | Electricity Market Simulation and Optimization Laboratory (EMSOL)   | Bhattacharya, Kankar   | 24/02/2005   | \$392,797                                  | \$145,000  |
| NOF                                       | Facility for Research in Piano Design, Technology, and Manufacturing  | Birkett, Stephen   | 24/02/2005   | \$279,998                                  | \$111,998  |
| NOF                                       | A Facility to Develop Novel Micro Devices and Analysis Tools for Biomedical, Environmental and Safety Applications                    | Devaud, Cecile   | 22/07/2005   | \$496,423                                  | \$193,434  |
| NOF                                       | Investigation of Knee Joint Loading Patterns Following Injury and Their Influence on Articular Cartilage Remodelling                  | Durkin, Jennifer L.  | 22/07/2005   | \$312,251                                  | \$124,900  |
| NOF                                       | Organometallic/Polymer Chemistry Research Laboratory  | Fang, Xiangdong  | 24/10/2005   | \$770,768                                  | \$260,378  |
| NOF                                       | Resources for Computational Research Innovation   | Hare, K.G.   | 24/10/2005   | \$957,758                                  | \$348,469  |
| NOF                                       | Mobile Experimental Behavioral Lab  | Jeffrey, Scott   | 24/02/2005   | \$148,421                                  | \$58,347   |
| NOF                                       | Buildup of a Femtosecond Laser Spectroscopy for Environmental and Biological Studies  | Lu, Qing-Bin   | 24/02/2005   | \$431,206                                  | \$172,489  |
| NOF                                       | Integrated Facility for Gene Discovery and Molecular imaging  | Marsden, Mungo   | 24/10/2005   | \$601,928                                  | \$210,964  |
| NOF                                       | Creation of a High-Performance Computational Facility for Quantum Chemistry   | Nooijen, Martinus  | 24/02/2005   | \$697,120                                  | \$269,424  |
| NOF                                       | Providing Research Infrastructure for Mathematical Excellence   | Orchard, Jeff  | 24/02/2005   | \$1,576,077                                | \$630,429  |
| NOF                                       | Development of "Green" Nano-Technology for Nano-Structured Polymers   | Pan, Qinmin  | 24/02/2005   | \$321,145                                  | \$128,458  |
| NOF                                       | A portable laboratory for studying human attention in the real world.   | Smilek, Daniel   | 26/06/2006   | \$197,319                                  | \$78,927   |
| NOF                                       | High throughput research facility for the study of fatty acids and lipidomics on chronic disease                                      | Stark, Ken D.  | 26/06/2006   | \$479,949                                  | \$180,000  |
| NOF                                       | Center for Rapid Prototyping of Advanced Multi-Scale Systems.   | Toyserkani, Ehsan  | 24/10/2005   | \$846,250                                  | \$320,701  |
| NOF                                       | Development of a research database in Medieval Studies: a WEB-based, searchable, electronic corpus of Albertus Magnus' complete works | Tremblay, Bruno  | 22/07/2005   | \$45,275                                   | \$18,110   |
| NOF                                       | Research facility to study the genetic/physiological determinants of metabolic rate and obesity                                       | Tupling, Russell   | 22/07/2005   | \$478,642                                  | \$191,457  |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision / Décision ministère</i></b> | <b><i>Total Costs / Coût total</i></b> | <b><i>Max. ORF contribution / Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program / Programme</i></b>         | <b><i>Project Title / Titre du projet</i></b>  | <b><i>Principal Investigator / Chercheur principal</i></b> |  |  |  |
| NOF                                       | Impact of Geological Uncertainty on Achieving Regulatory Compliance Objectives Used to Control Subsurface Waste Disposal or Remediation Projects | Unger, Andre   | 24/02/2005   | \$352,687                              | \$141,075  |
| NOF                                       | Laboratory for the characterization and applications of new sources of entanglement.   | Weihs, Gregor  | 24/10/2005   | \$345,893                              | \$125,000  |
| NOF                                       | Micro-Systems Research Center  | Yavuz, Mustafa   | 24/02/2005   | \$851,220                              | \$340,488  |
| <b><i>University of Windsor</i></b>       |  |  | <b><i>Total: 27</i></b>                              | <b><i>\$9,345,561</i></b>              | <b><i>\$2,115,550</i></b>                                      |
| CRCIF                                     | Facility for the development of advanced metal forming processes   | Green, Daniel E.   | 24/10/2005   | \$300,250                              | \$101,000  |
| CRCIF                                     | International Health Communication Data Archive and Repository   | Palmer, Steven   | 31/08/2006   | \$186,924                              | \$74,770   |
| CRCIF                                     | Catalyst Testing and GPC Facilities  | Stephan, Douglas W   | 22/07/2005   | \$342,000                              | \$101,000  |
| CRCIF                                     | Facility for the Research and Development of Automotive Sensors and Sensing Systems  | Wu, Jonathan   | 26/06/2006   | \$270,762                              | \$101,000  |
| IF  | Large Lake Ecosystems: A facility to quantify and model the impact of multiple stressors   | Fryer, Brian   | 16/12/2004   | \$5,048,079                            | \$611,360  |
| LOF                                       | Self-Assembled Monolayers on Ultrasoother Surfaces   | Carmichael, Tricia   | 21/12/2006   | \$125,000                              | \$50,000   |
| LOF                                       | Infrastructure for a Medium-Scale Green Technology Wind Tunnel Research Program  | Cheng, Shaohong  | 21/12/2006   | \$250,000                              | \$100,000  |
| LOF                                       | Acoustic location systems and advanced recording and playback technology for studying communication networks in temperate and tropical birds     | Mennill, Daniel  | 31/08/2006   | \$130,958                              | \$50,000   |
| LOF                                       | Viral Preparation/Cell Culture Facility for Investigating Mediators Involved in the Development and Progression of Breast Cancer                 | Porter, Lisa   | 21/12/2006   | \$125,677                              | \$50,000   |
| LOF                                       | Scientific computing facility for the computational study of ultrafast light-matter interactions   | Rangan, Chitra   | 31/08/2006   | \$125,000                              | \$50,000   |
| LOF                                       | Virtual and In-Person Research Facilities for the Health and Well-being Lab  | Sirois, Fuschia M.   | 21/12/2006   | \$117,218                              | \$46,888   |
| LOF-1                                     | The Ecological Genomics Laboratory   | Cristescu, Melania   | 22/04/2008   | \$125,000                              | \$50,000   |
| LOF-1                                     | Advanced infrastructure for research on visual communication in temperate and tropical animals   | Doucet, Stéphanie  | 11/08/2008   | \$124,998                              | \$49,998   |
| LOF-1                                     | Universal Micro Materials Tester   | Edrisy, Afsaneh  | 15/05/2007   | \$125,000                              | \$50,000   |
| LOF-1                                     | Confocal Microscope for Multichannel and Live Imaging  | Swan, Andrew D.  | 04/09/2007   | \$320,025                              | \$50,000   |
| LOF-1                                     | Channel characterization of emerging wireless communication systems.   | Tepe, Kemal E.   | 04/09/2007   | \$125,000                              | \$50,000   |
| LOF-1                                     | Facility to study the geochemical controls on contaminant transport and molecular scale processes  | Weisener, Christopher                                      | 15/05/2007   | \$125,000                              | \$50,000   |
| LOF-1                                     | Facility for investigating hearing mechanisms  | Zhang, Huiming   | 04/09/2007   | \$142,647                              | \$50,000   |
| LOF-2                                     | The Chemical Tracer Laboratory   | Fisk, Aaron T.   | 26/06/2007   | \$189,300                              | \$50,000   |
| LOF-2                                     | The Bioinformatics Laboratory  | Gras, Robin  | 26/06/2007   | \$89,524                               | \$25,706   |
| LOF-2                                     | Environmental Biotechnology Laboratory for the Development of Microbial Conversion Technologies  | Lalman, Jerald   | 22/04/2008   | \$123,937                              | \$49,575   |
| NOF                                       | Facility for applied Social Welfare Research   | Anucha, Uzoamaka   | 24/02/2005   | \$126,054                              | \$47,759   |
| NOF                                       | Density matrix renormalization group simulations of systems in condensed matter physics and quantum chemistry.                                   | Eugene, Kim H.   | 24/10/2005   | \$175,708                              | \$50,000   |
| NOF                                       | Biological irradiation facility  | Hudson, John   | 24/02/2005   | \$106,483                              | \$41,890   |

| <b><i>Institution / Établissement</i></b> |  |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|--|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>  | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| NOF                                       | Facility Infrastructure for evaluation of single motor unit properties during movement   | Jakobi, Jennifer M.  | 24/02/2005   | \$128,351                                  | \$50,281   |
| NOF                                       | LINUX PC Cluster for Computational Studies and Optimization of Nano-Mechanical and Industrial Systems  | Stoilov, Vesselin  | 24/02/2005   | \$171,666                                  | \$64,323   |
| NOF                                       | High Performance Computing Cluster for Fuel Cell and Hydrogen Research   | Zhou, Biao   | 24/02/2005   | \$125,000                                  | \$50,000   |
| <b><i>Wilfrid Laurier University</i></b>  |  |  | <b><i>Total: 10</i></b>                                  | <b><i>\$1,802,500</i></b>                  | <b><i>\$718,239</i></b>  |
| CRCIF                                     | Cold Regions Hydrology Infrastructure  | Quinton, William L.  | 24/10/2005   | \$252,033                                  | \$100,813  |
| LOF                                       | Environmental Surface Chemistry Studies: Development of Interdisciplinary Approaches for Investigating Interfacial Processes in Environmental Systems                  | Al-Abadleh, Hind   | 31/08/2006   | \$126,655                                  | \$50,662   |
| LOF                                       | High-resolution Optical Microscopy and Microspectroscopy System for the Studies of Colloids, Self-assembly, and Advanced Materials                                     | Kitaev, Vladimir   | 31/08/2006   | \$67,017                                   | \$24,051   |
| LOF                                       | Infrastructure for Cognition in Action Laboratory  | Obhi, Sukhvinder S.  | 21/12/2006   | \$280,066                                  | \$112,023  |
| LOF                                       | An ultracentrifuge for isolating membranes of chloroplasts and other sub-cellular compartments and for purifying DNA and proteins                                      | Smith, Matthew   | 31/08/2006   | \$103,572                                  | \$41,429   |
| LOF-1                                     | The role of adult math talk, language, and gender on mathematical development in children  | Lee, Joanne N.   | 04/09/2007   | \$107,047                                  | \$42,818   |
| LOF-1                                     | Thermal Characterization of New Organic Materials  | Maly, Kenneth  | 22/04/2008   | \$107,638                                  | \$43,055   |
| LOF-1                                     | Insider Trading Database   | Smith, Brian   | 15/05/2007   | \$112,931                                  | \$45,172   |
| LOF-2                                     | Multimodal Imaging Equipment for Cognitive Neuroscience Research   | Servos, Philip   | 15/05/2007   | \$498,026                                  | \$199,210  |
| NOF                                       | Enantioselective Synthesis of Axially Chiral Biaryls. Applications in Asymmetric Synthesis, Total Synthesis and Materials Science.                                     | Macneil, Stephen   | 24/02/2005   | \$147,515                                  | \$59,006   |
| <b><i>York University</i></b>             |  |  | <b><i>Total: 38</i></b>                                  | <b><i>\$26,314,845</i></b>                 | <b><i>\$8,663,294</i></b>  |
| CA  | Biophysical Analysis of Viral RNA and Proteins   | White, Karl  | 22/07/2005   | \$540,767                                  | \$216,287  |
| CRCIF                                     | Laboratory for Molecular and Cell Biology Research   | Benchimol, Samuel  | 31/08/2006   | \$794,753                                  | \$317,901  |
| CRCIF                                     | New Media Collaboration Centre (NMCC) to Support Augmented Reality Research, Digital Archives of Canadian Culture and Canadian Digital Policy Initiatives              | Fisher, Caitlin  | 24/02/2005   | \$660,946                                  | \$264,379  |
| CRCIF                                     | Centre for Translation Studies   | Simon, Sherry  | 24/02/2005   | \$107,295                                  | \$42,918   |
| CRCIF                                     | Comparative Research of European Capitalism (CREC) Web-based Research Network  | Zumbansen, Peer  | 24/02/2005   | \$420,744                                  | \$168,283  |
| IF  | A community approach to multiscale air quality modelling and forecasting   | McConnell, John  | 16/12/2004   | \$5,828,302                                | \$660,041  |
| LOF                                       | Laboratory for the study of energy balance and metabolic partitioning  | Ceddia, Rolando  | 31/08/2006   | \$579,376                                  | \$226,518  |
| LOF                                       | Brain Mechanisms of Selection & Object Representation  | Fallah, Mazyar   | 31/08/2006   | \$592,295                                  | \$236,918  |
| LOF                                       | Infrastructure to support research in the area of organometallic chemistry for the activation of small molecules and for the polymerization of functionalized olefins. | Lavoie, Gino G.  | 21/12/2006   | \$639,020                                  | \$255,608  |
| LOF                                       | A facility for the biogeographical comparison of the morphology and physiology of invasive plant species.  | Lortie, Christopher J.   | 31/08/2006   | \$507,552                                  | \$203,021  |

| <b><i>Institution / Établissement</i></b> |   |  | <b><i>Ministry Decision /<br/>Décision ministère</i></b> | <b><i>Total Costs /<br/>Coût total</i></b> | <b><i>Max. ORF contribution /<br/>Contribution max. du FRO</i></b> |
|---|---|--|--|--|--|
| <b><i>Program /<br/>Programme</i></b>     | <b><i>Project Title /<br/>Titre du projet</i></b>   | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> |  |  |  |
| LOF                                       | Three-dimensional shape perception: how the human visual system uses statistical regularities in natural scenes to solve an underconstrained problem. | Murray, Richard F.   | 21/12/2006   | \$381,194                                  | \$152,477  |
| LOF                                       | Intense source of cold positronium for precise measurements of atomic structure and tests of QED.   | Storry, Cody   | 31/08/2006   | \$603,583                                  | \$241,433  |
| LOF                                       | Facility for Fabrication and In-Situ Micromapping of Polymer-Grafted Membrane-Mimetic Surfaces  | Tsoukanova, Valeria  | 31/08/2006   | \$549,956                                  | \$219,983  |
| LOF-1                                     | Infrastructure to support protein X-ray crystallography studies for structural biology research   | Audette, Gerald F.   | 04/09/2007   | \$1,604,795                                | \$641,992  |
| LOF-1                                     | The role of the cell cycle in skeletal muscle development and disease   | Connor, Michael  | 15/05/2007   | \$457,131                                  | \$182,853  |
| LOF-1                                     | New Media Collaboration Centre: Canadian Arts Content Management System and Centre for Digital Policy and Cultural Rights Initiatives                 | Coombe, Rosemary   | 15/05/2007   | \$481,873                                  | \$192,749  |
| LOF-1                                     | Molecular and neural basis of autism spectrum developmental disorders   | Crawford, Dorota   | 04/09/2007   | \$538,419                                  | \$203,494  |
| LOF-1                                     | The Orthopaedic Neuromechanics Laboratory (ONMLab)  | Gage, William  | 26/06/2007   | \$510,723                                  | \$95,131   |
| LOF-1                                     | FUTURE CINEMA LAB: New Stories for New Screens in the Digital Age   | Greyson, John  | 15/05/2007   | \$999,974                                  | \$399,971  |
| LOF-1                                     | From perception to memory: population dynamics in local and global neural ensembles   | Hoffman, Kari  | 04/09/2007   | \$499,990                                  | \$197,526  |
| LOF-1                                     | Understanding the Development and Consequences of Racial Stereotyping: A Social Cognitive Approach  | Steele, Jennifer   | 15/05/2007   | \$394,826                                  | \$157,930  |
| LOF-1                                     | Face and scene processing: behaviour and neural correlates  | Steeves, Jennifer  | 15/05/2007   | \$527,914                                  | \$211,165  |
| LOF-1                                     | Comparative Perspectives Database: Understanding Gendered Labour Market Insecurity  | Vosko, Leah F.   | 15/05/2007   | \$457,441                                  | \$159,114  |
| LOF-1                                     | A New Protein Biophysics Laboratory at York University  | Wilson, Derek J.   | 04/09/2007   | \$503,530                                  | \$201,412  |
| LOF-1                                     | The Cities Research Laboratory [CRL] for Multimedia Projects on World Cities and Globalization  | Zumbansen, Peer  | 15/05/2007   | \$686,879                                  | \$264,808  |
| LOF-2                                     | Upgrades to Visual-Motor Laboratory for Experimental, Computational, and Applied Neurophysiology  | Crawford, John D.  | 26/06/2007   | \$508,960                                  | \$203,584  |
| NIF                                       | Canadian University Biodiversity Consortium – Consortium des universités canadiennes sur la biodiversité  | Packer, Laurence   | 15/03/2007   | \$766,882                                  | \$306,753  |
| NOF                                       | Telehomecare Research Unit  | Duff, Diane  | 22/07/2005   | \$492,280                                  | \$194,352  |
| NOF                                       | Infrastructure to support research in the areas of bacterial and viral infection  | Golemi-Kotra, Dasantila  | 22/07/2005   | \$528,858                                  | \$211,543  |
| NOF                                       | Molecular Regulation of Myogenic Progenitor Cells   | Hawke, Thomas J.   | 24/02/2005   | \$569,297                                  | \$212,865  |
| NOF                                       | The role of sensory information in motor control and learning.  | Henriques, Denise  | 24/02/2005   | \$479,162                                  | \$191,665  |
| NOF                                       | 3-D Canopy Measurement and Modeling Facility  | Hu, Baoxin   | 24/02/2005   | \$237,705                                  | \$83,650   |
| NOF                                       | Social Category Activations: Their Effects on Perception and Behaviours Related to Outgroup Category Members and the Self                             | Kawakami, Kerry  | 24/02/2005   | \$245,478                                  | \$98,191   |
| NOF                                       | Aquatic facility and center for the integrative study of fish physiology and endocrinology  | Kelly, Scott   | 24/02/2005   | \$546,223                                  | \$218,489  |
| NOF                                       | A facility for long-term limnological and paleoecological research  | Quinlan, Roberto   | 26/06/2006   | \$448,255                                  | \$179,302  |
| NOF                                       | Regulation of AGC kinases in Human Disease  | Scheid, Michael  | 26/06/2006   | \$533,887                                  | \$213,556  |
| NOF                                       | The Digital Sculpture Laboratory at York University   | Vickerd, Brandon   | 24/10/2005   | \$503,245                                  | \$201,298  |

## ***Institution / Établissement***

| <b><i>Program /<br/>Programme</i></b> | <b><i>Project Title /<br/>Titre du projet</i></b>                      | <b><i>Principal Investigator /<br/>Chercheur principal</i></b> | <b><i>Ministry<br/>Decision /<br/>Décision<br/>ministère</i></b> | <b><i>Total<br/>Costs /<br/>Coût<br/>total</i></b> | <b><i>Max. ORF<br/>contribution /<br/>Contribution<br/>max. du FRO</i></b> |
|---------------------------------------|--|--|--|--|--|
| NOF                                   | A facility for the study of plant evolutionary and population genomics | Wright, Stephen  | 24/02/2005   | \$585,335  | \$234,134  |



***947 Projects / Projets***      ***Totals:***      **\$1,163,536,785**      **\$308,526,806**

### ***Program Types***

The Ontario Research Fund Infrastructure Program provides matching grants to Ontario institutions that have received awards from the Canada Foundation for Innovation, through one of these CFI programs:

CA: Career Awards  
CRCIF: Canada Research Chairs Infrastructure Fund  
IF: Innovation Fund  
LEF: Leading Edge Fund  
LOF: Leaders Opportunity Fund  
NIF: New Initiatives Fund  
NOF: New Opportunities Fund

### ***Programmes***

Le Fonds pour la recherche en Ontario – Programme d'infrastructure de recherche verse des subventions de contrepartie aux établissements de la province qui ont reçu des bourses de la Fondation canadienne pour l'innovation, dans le cadre de l'un des programmes suivants :

CA : Programme des bourses de carrière  
CRCIF : Fonds d'infrastructure pour les Chaires de recherche du Canada  
IF : Fonds d'innovation  
LEF: Fonds de l'avant-garde  
LOF: Fonds des leaders  
NIF: Fonds des initiatives nouvelles  
NOF : Fonds de relève