

## New Opportunities Fund / Fonds de relève Backgrounder / Fiche d'information

### Ontario

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$6,777,729 to support 51 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 6 777 729 \$ en vue d'appuyer 51 projets d'infrastructure.

Project Title / Titre du projet	Maximum CFI Contribution / Contribution maximale de la FCI
---------------------------------	--

### Laurentian University / Université Laurentienne

Server and Related Equipment/Software to Support Rural Health Research	\$25,025
<b>1 project / projet</b>	<b>\$25,025</b>

### McMaster University

Comprehensive Analyses of Low Abundance Metabolites by Capillary Electrophoresis-mass Spectrometry	\$80,000
Cryo-electron Microscopy Studies on Proteases Involved in the Cell Protein Quality Control System	\$108,564
Establishment of a Biosafety Level 2 Animal Facility for Investigation of Chronic Inflammation and Pulmonary Fibrosis	\$123,829
Fetal Origins of Child and Adult Disease: The Role of Environmental Toxicants	\$56,326
High-field Biomolecular Nuclear Magnetic Resonance at McMaster University	\$170,000
Research Facility for Inert-atmosphere Synthesis and Electrochemistry	\$80,000
Structural and Functional Studies of DNA Replication and Repair Proteins	\$112,509
<b>7 projects / projets</b>	<b>\$731,228</b>

### Queen's University

Dependable Software Systems and Their Evolution	\$108,000
Developmental Psycholinguistics Research Facility	\$80,000
Molecular and Cellular Function of Tumor Suppressor Genes	\$100,000
Novel Methods to Assess Bone Quality In Vivo and Determine Critical Factors Associated with Bone and Joint Health	\$54,400
<b>4 projects / projets</b>	<b>\$342,400</b>

### Ryerson University

A Computational Modeling Environment for Innovation in the Detection and Treatment of Cancer	\$64,698
Optic Fiber Sensing Wireless Network Laboratory	\$132,068
Wavelength Dispersive X Ray Fluorescence Facility for Multi-element Analysis in Biological Samples	\$83,650
<b>3 projects / projets</b>	<b>\$280,416</b>

### University of Guelph

Cryptosystems Security Research Laboratory at the University of Guelph	\$118,542
Development of Tools and Technologies for Sustainable Wastewater Reuse	\$125,000
Ecology, Traceability and Detection of Foodborne Pathogens in Food Production and Processing Chains	\$73,017
Integrated Facility for Studies on Microbial Ecology, Biogeochemistry and Bacteria-mineral Interactions in Soils and Sediments, with Applications to Environmental Protection	\$249,370
Manipulation of Myoblast and Fibroblast Cell Expression by Mechanotransduction	\$107,085
Social and Legal Responses to Violence in Canada	\$93,373
<b>6 projects / projets</b>	<b>\$766,387</b>

### University of Ottawa / Université d'Ottawa

Acoustic Measurement of Flow and Sediment Transport for Analysis of River Channel Change	\$41,000
Automated Microbial Culture Facility for Experimental Evolution	\$200,001
Impaired Cytotoxic T cell Function and its Role in HIV Pathogenesis	\$75,000
System for RNA Structure/Function Relationship Studies	\$97,689
The Ontario Cardiac Arrest Registry: An Integrated Data System Measuring and Improving Out-of-hospital Cardiac Arrest and Other Critically Ill Patient Outcomes	\$70,000
<b>5 projects / projets</b>	<b>\$483,690</b>

### University of Toronto

Cities, Health, And Neighbourhood Geomatics (CHANGE) Laboratory	\$70,488
Creation of a Laboratory to study the Causes and Consequences of Genomic Instability	\$199,031
Critical Accessories for a Functional Mass Spectrometry/Proteomics Facility at the Centre for Research in Neurodegenerative Diseases	\$41,089
Infrastructure for a Distributed Microsystems Laboratory	\$107,361
Infrastructure for Genetically Encoded, Flourescent Nitric Oxide Receptors, Modulators and Sensors	\$356,464
Laboratory of Colloid and Formulation Engineering	\$109,520
Molecular Genetics of Mammalian Vascular and Hematopoietic Development	\$181,138
New Facility for Signal-Transduction and Networking Studies in Plant-Pathogen Interaction	\$199,950
Social Cognitive Neuroscience of Attitudes	\$129,929
Thermal Ionization Mass Spectrometer for Planetary Sciences	\$260,000
<b>10 projects / projets</b>	<b>\$1,654,970</b>

### University of Waterloo

Electricity Market Simulation & Optimization Laboratory (EMSOL)	\$145,000
Facility for Research in Piano Design, Technology, and Manufacturing	\$111,999
Micro-Systems Research Center	\$340,488
Mobile Experimental Behavioral Laboratory (MEBL)	\$58,348
<b>4 projects / projets</b>	<b>\$655,835</b>

### University of Western Ontario (The)

Crystallographic Studies of Key Proteins in Translesion DNA Replication and Mutagenesis	\$240,000
Establishment of State-of-the-art Cardiovascular Tissue Engineering Laboratory	\$199,513
Laboratory for the Study of Radiation Induced Chemical Processes and Transport	\$295,035
Mechanisms of Neurodegeneration in Alzheimer's Disease and Neuronal Injury	\$260,006
<b>4 projects / projets</b>	<b>\$994,554</b>

### University of Windsor

Biological Irradiation Facility	\$41,890
Facility Infrastructure for Evaluation of Single Motor Unit Properties During Movement	\$50,281
Facility for Applied Social Welfare Research	\$47,759
<b>3 projects / projets</b>	<b>\$139,930</b>

### Wilfrid Laurier University

Enantioselective Synthesis of Axially Chiral Biaryls. Applications in Asymmetric Synthesis, Total Synthesis and Materials Science	\$59,006
<b>1 project / projet</b>	<b>\$59,006</b>

### York University

A Facility for the Study of Plant Evolutionary and Population Genomics	\$234,134
Aquatic Facility and Center for the Integrative Study of Fish Physiology and Endocrinology	\$218,489
The Role of Sensory Information in Motor Control and Learning	\$191,665
<b>3 projects / projets</b>	<b>\$644,288</b>