

**Regional Backgrounder / fiche d'information par région
New Opportunities Fund / Fonds de relève**

Province : Ontario

The following 57 projects were approved in the province of Ontario totalling \$8,693,307. / Les 57 projets suivants ont été approuvés dans la province de l'Ontario totalisant 8 693 307 \$.

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

Laboratory for Child Forensic Psychology	\$87,455
Advanced Experimental Research Laboratory in Geotechnical Engineering	\$206,314
Research Facility for the Development and Testing of Innovative Biosolids Waste Management Technologies	\$220,000
Facility for Free Radical Research investigating protein structure/function modification in response to oxygen	\$188,068
4 projects / projets	\$701,837

Lakehead University

Molecular Microbial Ecology Infrastructure	\$71,108
1 project / projet	\$71,108

Laurentian University

Novel Regions Involved In The Regulation Of Protein Kinase C (Pkc) By Its Regulatory Domain	\$100,001
1 project / projet	\$100,001

MacMaster University

Parallel Computer Cluster For Computational Materials Science	\$121,131
Investigating the mechanisms regulating lipid and lipoprotein metabolism: A proteomics-based approach	\$312,476

Innovative Research in Sheet Forming Technology Using Automated Mechanical Testing and Strain Measurement Systems	\$300,000
Hybrid Teraflop Supercomputer for Globular Cluster Dynamics and Evolution	\$174,422
Twin Screw Extrusion Machinery for Research into the Development of Novel Polymers and Composites	\$136,534
Establishing "The Upper Extremity Clinical Research Lab" : A Partnership in Applied Science, Rehabilitation, Surgery and Occupational Medicine	\$126,269
Molecular Mechanisms of Apoptosis and Cell Proliferation	\$193,198
Hormonally active chemicals: Cellular and molecular mechanisms of action	\$152,047
Estimation, Tracking and Fusion Laboratory (ETFLab)	\$224,030
Computational algebra in logic and geometry: computer infrastructure	\$97,162
10 projects / projets	\$1,837,269

Queen's University

Laboratory for Polymer Photonic Device Processing and Characterization	\$80,000
Statistical Image and Image in Motion Reconstruction	\$122,000
Microscopy and Molecular Genetics Facility to Study C. elegans Morphogenesis	\$80,000
Culture, Cognition, and Health Research Facility	\$111,582
A Network-Based Computing Facility for Advanced Research on Communication Architecture and Mechanisms, and Cluster Computing	\$100,000
5 projects / projets	\$493,582

Royal Military College of Canada

Probing station for RF testing and characterization	\$50,000
1 project / projet	\$50,000

Ryerson Polytechnic University

Virtual Environment Laboratory	\$60,000
Ergonomics and Safety SAMMIE Laboratory and Accident Database	\$41,231
2 projects / projets	101,231

University of Guelph

Laboratory of Surface Microscopy	\$124,975
Infrastructure to Support the Study of Chromatin Remodeling and Nuclear Reprogramming Events during the Development of Cloned Animals	\$124,100
Establishment of an innovative laboratory for the development and testing of veterinary probiotics	\$121,099
Confocal Imaging Station for Analysis of Cell Adhesion and Migration	\$125,052
Neuromotor rehabilitation research facility	\$33,385
The Guelph High-Resolution, Position-Sensitive Gamma-Ray Spectrometer	\$320,000
Infrastructure for studies immunogenetics of host resistance	\$125,863
Driving simulator for multi-disciplinary team investigating age differences in driving behaviour and the impact of in-vehicle devices and intelligent transport systems on performance	\$267,890
8 projects / projets	\$1,242,364

University of Ottawa

Factors affecting tumor-associated angiogenesis	\$217,007
Computing infrastructure supporting new initiatives in bioinformatics, coding, cryptography and combinatorial algorithms	\$159,171
2 projects / projets	\$376,178

University of Toronto

Establishing a Bone Health and Osteoporosis Prevention Program Laboratory for Girls and Women	\$160,000
Facility for the multi-level analysis of a complex morphogenetic process, vertebrate gastrulation	\$122,324

High-Pressure Combustion Facility for Soot Research	\$200,000
Molecular mechanisms of neutrophil defensins in lung inflammation and injury	\$100,000
The neurobiology of relapse to cocaine seeking in rats	\$69,986
Infrastructure for the study of photonic, microwave and high speed electronic interactions	\$344,970
Perception in the Control Loop	\$230,175
Computing Platform for Middleware Systems and Architecture Research	\$294,940
Mobile Communications Laboratory for the Testing of Advanced Signal Transmission and Reception Concepts	\$93,561
Advanced gene expression and microscopy facilities for congenital heart disease research	\$259,372
10 projects / projets	\$1,875,328

University of Waterloo

Facility for Theoretical and Applied Research in Smart Actuators and Sensors (TARSAS)	\$159,972
Multi-Point Interactive Performance Research Facility	\$94,034
2 projects / projets	254,006

University of Western Ontario

Municipal and Industrial Wastewater Treatment Technologies Laboratory	\$160,000
MoBEES: a research facility for molecular studies in biodiversity, ecology and environmental science	\$142,676
Multidisciplinary approaches to the discovery of disease-related proteins	\$247,297
Immunoregulatory activity of dendritic cell subsets as related to transplant tolerance	\$147,992
4 projects / projets	\$697,965

University of Windsor

Laboratory for Cancer Research and Spatial Modelling of Environmental and Occupational Determinants of Health	\$75,176
Integrated Light Metal and Composite High Pressure Casting Research Laboratory	\$231,500
2 projects / projets	\$306,676

Wilfrid Laurier University

Equipment for the Oral Studies Research Site at Wilfrid Laurier University	\$80,704
Computer and audiovisual systems for laboratory and field memory research across the life span	\$52,996
2 projects / projets	\$133,700

York University

A facility for the preparation and structure-function analysis of RNA molecules and protein-RNA complexes	\$216,664
Thin media images and dieting behaviour in young women	\$33,190
Geographic Information Technology Laboratory for Visualization, Analysis and Mining of Multisensor Satellite Data for Observation and Monitoring Landscape Dynamics	\$202,208
3 projects / projets	\$452,062