

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

Province : Ontario

The following 31 projects, totalling \$6,522,685, were approved in the province of Ontario. / Les 31 projets suivants ont été approuvés dans la province de l'Ontario totallisant 6 522 685 \$.

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

An integrated laboratory and field facility to test contemporary theories of the evolution of warning signals and mimicry	\$142,043
Applied Geometric Computing	\$161,686
2 projects / projets	\$303,729

McMaster University

High-Resolution Soil Moisture Research: Measurement, Characterization, Modeling, and Hydrologic Applications.	\$207,490
Molecular mechanisms by which diabetes mellitus promotes the development and progression of atherogenesis	\$132,719
Field Research for the Control of Non-Point Source Water Pollution	\$94,239
3 projects / projets	\$434,448

Queen's University

Gene function and cellular regulation facility	\$120,000
Infrastructure for Solid Oxide Fuel Cell and Fuel Processing Research	\$115,693
Sensor-Based Robotics	\$208,000
3 projects / projets	\$443,693

Ryerson University

Optimization Problems Research and Applications Laboratory (OPRAL) for VLSI Design	\$59,103
Wireless Networks and Communication Research (WINCORE) Lab	\$99,997
2 projects / projets	\$159,100

Trent University

Establishment of a Gene Array Facility for Gene Expression and DNA Profiling Applications	\$129,077
Active Hybrid Materials Development and Characterization Laboratory	\$111,523
2 projects / projets	\$240,600

University of Guelph

Studies of drug-motivated behavior in rats: intravenous self-administration, place conditioning and locomotor activity	\$148,126
Combined Set-up for Time-Resolved Laser Infrared and Visible Spectroscopy for Biophysical Characterization of Photoactive Proteins	\$198,545
2 projects / projets	\$346,671

University of Ottawa / Université d'Ottawa

Solid Oxide Fuel Cell catalysts. Study of structure-reactivity relationships.	\$481,200
Novel catalysts for transition metal catalyzed C-H functionalization; Metal-catalyzed multi-component coupling reactions; New methods for the preparation of quaternary carbon stereocenters.	\$262,782
Pro-Proteins Maturation in Tumorigenesis and Metastasis: Novel Targets in Cancer Therapy	\$272,199
3 projects / projets	\$1,016,181

University of Toronto

Nuclear Magnetic Resonance Spectrometer for the Study of Natural Organic Matter Structure and Environmental Reactivity	\$300,000
Centre for Information Systems in Infrastructure & Construction (I2C)	\$285,000
Molecular Genetic Studies of Autism	\$285,341
Facility for the Design and Development of Novel Polymer Materials and Technologies for the Delivery of Anti-Cancer Agents	\$131,862
Cognitive Neuroscience of Attention and Memory	\$128,000
Laboratory for Human-Computer Interaction and Computer Graphics	\$397,594
Mechanistic Studies of Living-Radical Polymerizations	\$278,039

Understanding the molecular mechanisms leading to excessive bone loss and developing therapeutics to prevent bone loss in diseases such as inflammatory arthritis, periodontal disease and osteoporosis.	\$353,947
Facility for imaging and functional analysis of murine models of human motor neuropathy	\$194,152
Stratospheric Telescope Integration Facility	\$640,800
10 projects / projets	\$2,994,735

University of Waterloo

Parallel Matlab on a Beowulf Cluster for Large-scale Neurobiological Simulations and the Development of Neural Engineering Techniques	\$84,348
1 project / projet	\$84,348

University of Western Ontario

Multidisciplinary Approaches to Understanding the Molecular Mechanisms of Bacterial Pathogenesis	\$173,925
Real-time, adaptive MRI infrastructure for the understanding, diagnosis and treatment of acute cardiovascular and neurological diseases	\$247,000
Laboratory for Functional Magnetic Resonance Imaging of Human Actions	\$78,255
3 projects / projets	\$499,180