

Leaders Opportunity Fund / Fonds des leaders Backgrounder / Fiche d'information

Ontario

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$6,262,272 to support 34 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 6 262 272 \$ en vue d'appuyer 34 projets d'infrastructure.

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

Infrastructure Grant for Walk-In Growth Chambers	\$100,000
1 project / projet	\$100,000

Carleton University

Micro/NanoPhotonics Laboratory	\$112,475
1 project / projet	\$112,475

Laurentian University / Université Laurentienne

A CPU/GPU Cluster to Support Large Scale Computer Simulations in Materials Science	\$15,862
1 project / projet	\$15,862

Queen's University

Helping Young Adults at Risk for Obesity and Type II Diabetes: Molecular Mechanisms and the Role of Exercise	\$349,285
Role of Immune Cells in Promoting Angiogenesis During Pregnancy and their Regulation by MicroRNAs	\$120,000
2 projects / projets	\$469,285

University of Guelph

Comparative Regeneration and Development Laboratory (CRDL)	\$122,421
Digital Haptic Lab: A Computer Lab and Prototype Production Facility	\$154,295

.../ University of Guelph

Infrastructure to Support Mitochondrial Research in the Context of Health and Disease	\$124,902
Nutrigenomics Laboratory: Diet and Gene Interactions in Adipose Tissue	\$125,822
4 projects / projets	\$527,440

University of Ontario Institute of Technology

Chemical Biology Research Laboratory	\$45,000
1 project / projet	\$45,000

University of Ottawa / Université d'Ottawa

Bioanalytical and Molecular Interaction Laboratory	\$332,753
Laboratory for Molecular Biogeochemistry of Toxic Metal(loid)s	\$273,458
The Virtual History Lab (VH Lab)	\$201,312
3 projects / projets	\$807,523

University of Toronto

A Supercomputer System For Seismic Imaging Based on Adjoint Methods	\$100,000
A Simple Model for Characterizing Gene Regulatory Networks in Innate Immunity	\$117,435
Analysis of 3-Dimensional Genome Architecture and its Effect on Regulation of Gene Expression	\$400,000
Characterization of Hepatic Dysfunction Post-Burn	\$400,000
Chemical Imaging and Microscopic Facility for Laboratory of Interface Biogeochemistry: Microbe-Mineral Interactions	\$250,000
Establishment of an Experimental Non-Invasive Brain Stimulation Laboratory	\$29,059
Establishment of an Integrative Physiology Laboratory for Locomotor Muscle Biology Research	\$140,000
In Vivo Microscopy for Understanding Dementias and Cerebrovascular Diseases	\$254,151
Infrastructure for Studying Quantum-Coherence in Chemistry and Biology	\$180,000
Mass Spectrometry-Based Proteomic Studies of Cancer Models	\$400,000
Microscale Energy Systems Transport Phenomena Laboratory	\$111,326
Multicore Applications, Architectures, and Algorithms for Complex Systems	\$269,975

.../ University of Toronto

The Next Generation of Robotic Helpers: A State of the Art "Robots for Everyday Applications" Laboratory	\$96,363
Tissue Morphogenesis Engineering Laboratory	\$140,320
14 projects / projets	\$2,888,629

University of Waterloo

A Setup for Development of Ion-Nanomaterial and Study of Electronic Cellular Systems	\$75,000
Biomechanics of Falls and Impact-Related Injuries	\$30,000
Facility for Testing and Operating Quantum Photonics Devices	\$125,000
3 projects / projets	\$230,000

University of Western Ontario (The)

Development of New Therapies for Stroke and Alzheimer's Disease: Fluorescence, Phosphoimaging and Behavioral Equipment Suites	\$400,000
Investigating the Molecular and Cellular Basis of Infertility and Ovarian Cancer Using Biologically-Relevant Model Systems	\$300,723
Mammalian Embryonic Stem Cell Laboratory for the Development of Controlled Differentiation Strategies	\$194,513
Physical Human Robot Interactions Laboratory	\$170,822
4 projects / projets	\$1,066,058