

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

### Ontario

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$7,675,227 to support 45 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 7 675 227 \$ en vue d'appuyer 45 projets d'infrastructure.

Project Title / Titre du projet	Maximum CFI Contribution / Contribution maximale de la FCI
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### **Brock University**

A Neurophysiological Investigation of Language Processing	\$83,884
<b>1 project / projet</b>	<b>\$83,884</b>

### **Carleton University**

Behavioural Acoustic Research Facility	\$85,000
Dietary Regulation of Cognitive Function and Brain Pathology During the Lifespan	\$250,000
<b>2 projects / projets</b>	<b>\$335,000</b>

### **Lakehead University**

Multi-Data Convergence Lab	\$42,499
<b>1 project / projet</b>	<b>\$42,499</b>

### **Laurentian University / Université Laurentienne**

Multidisciplinary Qualitative Research Laboratory	\$63,943
<b>1 project / projet</b>	<b>\$63,943</b>

### **McMaster University**

Laboratory for the Structure of New Materials	\$363,038
Multi-Phase Flow Diagnostic Equipment for Flow Measurement of Critical Flows in Fossil and Nuclear Power Plants - Phase Doppler Anemometer	\$106,313
<b>2 projects / projets</b>	<b>\$469,351</b>

### Queen's University

DEAP/CLEAN: Dark Matter Particle Search with Liquid Argon	\$401,391
Dysregulation of Cytokine Expression in HIV Pathogenesis	\$176,000
Pharmacoepidemiology and Economics Research Unit (PERU)	\$438,556
<b>3 projects / projets</b>	<b>\$1,015,947</b>

### University of Guelph

Integrated Digital Concept Mapping for Translation Between Aboriginal Traditional Knowledge and Western Science in Resource Management	\$58,144
Laboratory for Organic Layered Material Growth and Synchrotron Radiation-based Structural Studies	\$148,350
Public Use Microdata Samples of the 1871 Census of Canada and the 1871 Census of Scotland	\$250,000
Raman Spectrometer and High-Pressure Apparatus for Aqueous Chemistry under Sub-Critical and Super-critical Conditions	\$171,330
<b>4 projects / projets</b>	<b>\$627,824</b>

### University of Ottawa / Université d'Ottawa

Evolution of Animal Energetics Laboratory	\$102,014
Functional Genomic Laboratory for the Interdisciplinary Study of the Transcriptional Control of Muscle Development	\$105,179
MET Research: Computing Laboratory to Support Clinical Decision Making at the Point of Care in the Emergency Department	\$103,900
Protection of Critical Infrastructure Against Blast Hazard	\$196,000
e-Marketplaces for Safe and Fair Trade (e-MP) Laboratory	\$39,080
<b>5 projects / projets</b>	<b>\$546,173</b>

### University of Toronto

Facility for Microfluidics-Enabled Formation, Assembly and Integration of Structured (Bio) Materials	\$100,000
Laboratory for Cellular and Molecular Biomechanics	\$100,000
Maximum Information from Single-Molecule Fluorescence: An Innovative Microscope for Dynamics Studies of Biological Molecules	\$232,000
Modern Laboratory for Innovation in Organic Synthesis and Catalysis	\$380,000
Nod Proteins in Infectious and Inflammatory Diseases	\$124,754

### ... / University of Toronto

Paleoclimate Laboratory	\$118,922
The Active Human Cell Map - Enabling Molecular and Genomic Medical Research	\$142,517
The Social-Cognitive Neuroscience of Human Motivation	\$71,165
Using Bone Marrow Transplantation for Analysis of Gene Function in Disease	\$210,438
VolunteersCount Infrastructure Grant	\$100,000
<b>10 projects / projets</b>	<b>\$1,579,796</b>

### University of Waterloo

Centre for Biophysical Research in Ecosystem Restoration and Rehabilitation	\$177,475
Cryospheric Remote Sensing Research Facility	\$243,070
Laboratory for Optical Quantum Computation and Communication Technologies	\$130,000
Laboratory for the Synthesis, Physical and Thermodynamic Characterization of Novel Nanostructures for Applications in Chemical and Biological Systems	\$146,000
Quantum Heterostructure Optoelectronic Devices for Terahertz Applications	\$100,000
<b>5 projects / projets</b>	<b>\$796,545</b>

### University of Western Ontario (The)

A Laboratory for the Investigation of Cellular and Molecular Mechanisms of Breast Cancer Metastasis	\$159,823
Laboratory to Examine Auditory Cortical Function Following Cochlear Implant	\$179,997
Laboratory to Test, Train, and Protect The Brain-Heart Connection	\$337,200
<b>3 projects / projets</b>	<b>\$677,020</b>

### University of Windsor

Channel Characterization of Emerging Wireless Communication Systems	\$50,000
Confocal Microscope for Multichannel and Live Imaging	\$50,000
Facility for Investigating Hearing Mechanisms	\$50,000
<b>3 projects / projets</b>	<b>\$150,000</b>

### **Wilfrid Laurier University**

The Role of Adult Math Talk, Language, and Gender on Mathematical Development in Children	\$42,820
<b>1 project / projet</b>	<b>\$42,820</b>

### **York University**

A New Protein Biophysics Laboratory at York University	\$201,412
From Perception to Memory: Population Dynamics in Local And Global Neural Ensembles	\$197,527
Infrastructure to Support Protein X-Ray Crystallography Studies for Structural Biology Research	\$641,992
Molecular and Neural Basis of Autism Spectrum Developmental Disorders	\$203,494
<b>4 projects / projets</b>	<b>\$1,244,425</b>