

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

**Ontario**

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$11,654,316 to support 65 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 11 654 316 \$ en vue d'appuyer 65 projets d'infrastructure.

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

Excavation of an Iron Age Shipwreck at Kekova Adasi, Turkey	\$34,867
The Simulating History Research Lab	\$46,647
<b>2 projects / projets</b>	<b>\$81,514</b>

**Carleton University**

Detector Development, Electronics Infrastructure and Test Laboratory for Inner Detector Upgrade for the ATLAS experiment at CERN	\$115,000
Environmental Test Pit for Pilot-Scale Testing of Mine Waste Management Technologies	\$50,634
Laboratory for Hardware Accelerated Protein Identification for Mass Spectrometry	\$114,628
<b>3 projects / projets</b>	<b>\$280,262</b>

**Lakehead University**

Phase Analysis of Materials using X-ray Diffraction	\$136,527
<b>1 project / projet</b>	<b>\$136,527</b>

**Laurentian University / Université Laurentienne**

Gas Chromatograph Mass Spectrometer for Characterization of Xenobiotic Disposition in Skeletal Tissues and Analysis of Complex Environmental Samples	\$66,733
Laboratory for Molecular, Ecological and Evolutionary Genetics: LMEEG	\$131,178
<b>2 projects / projets</b>	<b>\$197,911</b>



### McMaster University

Mechanisms Underlying Food Intolerance in Functional Gut Disorders	\$134,461
Robotic Test Bed for Soft Tissue Image Guided Medical Interventions Research	\$69,317
<b>2 projects / projets</b>	<b>\$203,778</b>

### Queen's University

A Therapeutic Approach for the Treatment of Melanoma using RNA interference (RNAi)	\$96,339
Advanced Input and Display Techniques for Transparent Computing Technologies	\$397,773
Advanced Phenomics of Experimental Cardiovascular Conditions and Treatments	\$161,021
Biomimetic Materials for Tissue Engineering and Regeneration	\$383,849
Confocal Microscope for Biological Imaging	\$302,250
High Resolution Three Dimensional Imaging of the Structure of Materials During In Situ Deformation	\$374,804
Human Motion Performance Laboratory	\$350,000
Molecular Biology of Herpesvirus-Cell Interactions	\$160,000
Preclinical Testing of Novel Therapies for Cardiovascular Disease and Cancer	\$238,731
Tracing Elements in Natural Systems	\$313,903
Ultimate Strength of Buried Infrastructure	\$236,809
<b>11 projects / projets</b>	<b>\$3,015,479</b>

### Trent University

Plant Pathogen Forensics-DNA:DNA Hybridization Platforms for Species Discrimination and Strain Identity for Forensic Analysis and Pathogen Tracking	\$139,557
<b>1 project / projet</b>	<b>\$139,557</b>

### University of Guelph

Aquatic Metacommunity Dynamics Laboratory	\$63,099
High Performance Computing Laboratory to Support Research in Epidemiology and Disease Surveillance Related to Human and Animal Health	\$75,963
Infrastructure to Assess Microbial Biofilm Contamination of Drinking Water Distribution Systems	\$124,350
Wireless Computing Laboratory	\$114,687
<b>4 projects / projets</b>	<b>\$378,099</b>

### University of Ottawa / Université d'Ottawa

Computational Statistics and Machine Learning for Functional Genomics Data Integration and Analysis	\$23,088
Laboratory for Neurobiology and Cell Physiology	\$99,885
Molecule-Based Magnetic Materials	\$225,000
Pediatric Bone Health	\$100,000
State-of-the-art Solid-State NMR Spectrometer	\$250,000
<b>5 projects / projets</b>	<b>\$697,973</b>

### University of Toronto

A Loss-of-function RNA Interference Screen for Key Inhibitory Regulators of Cardiomyocyte Proliferation	\$258,163
Advanced Soil Biogeochemistry and Microbial Ecology Research Facility	\$84,309
An Investigation of the Mechanisms Underlying Amblyopia (lazy eye)	\$399,988
BioZone: A Modern Collaborative Bioengineering Research Facility	\$218,144
Brain, Behavior, Genes: New Knowledge from Innovative Studies of Language and Reading in Monolingual and Bilingual Children Leads to Optimal Pathways to Remediation	\$141,781
Centre For Urban Freight Analysis (CUFA)	\$100,000
Composite Biological Materials Laboratory	\$180,000
Deterioration of Bulbar Function in Amyotrophic Lateral Sclerosis	\$63,901
Facility for In Vivo Imaging and Optical Manipulation of the Neurocircuit in <i>C.elegans</i>	\$163,998
Geodetic Urban Monitoring Facility for Canada	\$149,787
High Temperature Materials Processing Research Laboratory	\$92,043

**... / University of Toronto**

Implementing a Laboratory to Develop New Medications for Drug Dependence	\$200,000
Infrastructure for Epigenomic Studies of Human Disease	\$217,373
Infrastructure for the Study of Photonic Integrated Bio-sensors and Biomedical Imaging Systems	\$150,000
Infrastructure to Explore the Evolutionary Impacts of Climate Change	\$603,200
Lentiviral RNAi and High-content Screening Resource for Identification of Genes Required for Adaptive Evolution Under Environmental Constraints	\$391,086
Medicinal Chemistry Infrastructure	\$396,580
Reconfigurable Antenna Design and Characterization Facility	\$101,504
Regulation of Quiescent States in <i>S. cerevisiae</i> and <i>C. elegans</i>	\$179,999
Risk and Resiliency Factors for Externalizing Pathology: Evidence from Childhood Personality	\$75,263
Rodent Cardiovascular and Physiological Investigations	\$129,455
Stress and Memory: Physiology, Brain, and Behavior in Infants, Children, and Parents	\$40,000
The Laboratory for Atmospheric Spectroscopy and Applications (LASAA)	\$211,428
Tissue Organization and Growth Control Through Fat Receptor Signaling	\$396,841
<b>24 projects / projets</b>	<b>\$4,944,843</b>

**University of Waterloo**

Advanced Scanning Probe Microscopy Facility for Nanoscale and Single Molecule Biophysics Research	\$180,000
Engineering of Advanced Metallic Manufacturing Processes using a Gleeble 3500 Thermomechanical Simulator	\$200,000
Expansion of Computational Infrastructure for Three Dimensional Simulations of Environmental and Geophysical Fluid Dynamics	\$78,613
Mass Spectrometer with Liquid Chromatography - To Support New Solvent Free Analytical Technologies for On-site and In-vivo Analysis	\$270,230
Multifunctional Nanomaterials Lab: Growth, Analysis, and Applications	\$100,000
<b>5 projects / projets</b>	<b>\$828,843</b>

### University of Western Ontario (The)

Drug Level Analysis Laboratory for Personalized Medicine Research	\$222,258
Infrastructure for Highly Sensitive and Quantitative Analysis of CD8+ T Cell-mediated Immunity	\$199,036
Small Animal Image Guided Radiation Research Laboratory	\$235,181
<b>3 projects / projets</b>	<b>\$656,475</b>

### University of Windsor

The Ecological Genomics Laboratory	\$50,000
<b>1 project / projet</b>	<b>\$50,000</b>

### Wilfrid Laurier University

Thermal Characterization of New Organic Materials	\$43,055
<b>1 project / projet</b>	<b>\$43,055</b>