

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

Ontario

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$14,229,403 to support 89 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 14 229 403 \$ en vue d'appuyer 89 projets d'infrastructure.

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

Brock University

Facilities for Organometallic and Catalytic Research	\$58,592
The Cool Climate Oenology and Viticulture Institute's Consumer Behavioural Research Laboratory	\$68,922
2 projects / projets	\$127,514

Carleton University

Comprehensive Aerosol Drug Delivery Investigations	\$193,252
Multi-Scale Monitoring, Manipulation, and Modelling of Atmospheric Carbon Exchange in Northern Environments	\$97,260
2 projects / projets	\$290,512

Lakehead University

Broadband Communications Networks Laboratory	\$71,257
Infrastructure for Lakehead University Green Energy Laboratory (LUGEL)	\$135,512
2 projects / projets	\$206,769

Laurentian University / Université Laurentienne

Rotational Rheometer System	\$57,420
1 project / projet	\$57,420



McMaster University

A New Cold Water Aquatic Facility to Study the Impacts of Invasive Species on Great Lakes Ecosystem Health	\$62,000
A New Environmental Toxicology Laboratory and Zebrafish Facility to Study the Impacts of Contaminants on Vertebrate Aquatic Species	\$100,000
Biomechanics of Musculoskeletal System at Tissue and Cellular Levels	\$98,372
Building the Auditory Brain	\$80,000
Free-Space Optical Communication Algorithms Laboratory (FOCAL)	\$100,000
Infrastructure for the Development and Characterization of Advanced Functionally Graded Materials	\$71,929
Infrastructure to Assess the Impact of Environmental Microbiota on Development of the Immune System in Health and Disease	\$276,466
Molecular Basis for the Progression of Chronic Kidney Disease	\$133,203
Time-Domain Optical Spectroscopy and Imaging for Biomedical Applications	\$120,000
Visual Design and Analysis Laboratory (VIDALAB)	\$100,000
10 projects / projets	\$1,141,970

Queen's University

600 MHz Biomolecular NMR Instrument for Studies of Protein-Ligand Interactions Related to Human Health and Biotechnology	\$218,419
An Integrated Approach to Lake Dynamics: Protecting Canada's Aquatic Resources	\$250,000
Behavioural Properties and Cortical Mechanisms of Cognitive Control	\$115,000
Perceptual, Social, and Cognitive Development in Autism	\$36,400
Studies of Novel Semiconductor Spintronics Based on Surface Acoustic Waves	\$260,000
5 projects / projets	\$879,819

Ryerson University

The Digital Cinema Laboratory at Ryerson University	\$242,309
1 project / projet	\$242,309

University of Guelph

Centre for Organizational Studies	\$213,473
Genetic Determinants of Infectious Disease Susceptibility in Swine	\$115,142
Genomic Diversity Laboratory	\$249,586
Infrastructure for the Study of Diversity in Cryptic Plants and the Development of Modern Molecular Taxonomic Tools	\$124,120
Infrastructure to Support Strain Measurements in Orthopaedic Soft Tissue	\$127,953
Integrated Program for Studies on Turfgrass Physiology, Integrated Pest Management, and Soil Microbiology for the Purpose of Developing Environmentally Sound Urban Landscape Systems	\$246,945
Protein Structural Biology Facility	\$250,672
Starch Biology Laboratory	\$123,429
Usability and Testing of Context Aware and Adaptive Systems	\$64,023
9 projects / projets	\$1,515,343

University of Ontario Institute of Technology

Advanced Wireless Communications and Networking Research Laboratory	\$85,460
Electrochemical Materials Research Lab	\$39,442
Laboratory for Advanced User Interfaces and Virtual Reality	\$59,607
Research Center for Mobile Healthcare Service Assurance and Privacy	\$54,459
4 projects / projets	\$238,968

University of Ottawa / Université d'Ottawa

Childhood Obesity Research Unit	\$103,478
Emerging Technologies and Innovation Management (ETIM) Laboratory	\$23,636
Facilities for Bioprocess Engineering Studies	\$50,985
Laboratory for Biomolecular Assemblies	\$99,960
Laboratory for Functional Proteomics and Chromosome Dynamics	\$106,025
Laboratory for Optical Metro Edge and Access Networks	\$62,863
Spectral Probes of Semiconductor Nanosystems	\$64,625



... / University of Ottawa / Université d'Ottawa

University of Ottawa's Faculty of Education Innovation in eLearning Research Laboratory: Demonstrations of the Possible	\$40,000
fMRI and MR Perfusion Improvements with an 8 Channel Phased Array Head Coil	\$97,138
9 projects / projets	\$648,710

University of Toronto

A Precision Laboratory System for High Resolution Environmental Analysis	\$333,912
Coping with Stigma: the Neural, Physiological, and Behavioural Consequences of Prejudice	\$49,995
Creation of a Laboratory to Study Crosstalk Between Aryl Hydrocarbon Receptor and Estrogen Receptor Signalling Pathways	\$198,500
Electron Cryomicroscopy of Macromolecular Assemblies	\$659,322
Equipment for the Integrated Study of Environmental Fluid Dynamics in the Laboratory and Field	\$100,000
Facilities for Integrative Study of CNS Neuroplasticity	\$798,691
Facility for Integrative Drosophila Biology and the Mitochondrial Cell Death Machine	\$100,000
Genetics and Imaging in Nervous System Development	\$395,186
Infrastructure for the Study of Multinuclear Transition Metal Compounds	\$240,000
Infrastructure to Enable Flexible Organic-based Photovoltaics to Achieve Broad Spectral Absorption and High Efficiency	\$234,694
Laboratory for Ecological and Evolutionary Genomics	\$120,000
Laboratory for the Integrative Study of Plant Evolutionary Genomics and Systematics	\$99,526
Molecular Mechanisms of Neurodegeneration After Traumatic CNS Injury and Stroke	\$120,458
Molecular Mechanisms Underlying Motor Control in the Normal Striatum and in Parkinson's Disease	\$88,000
Next-Generation Astronomical Instrumentation and Experimental Astrophysics in the Infrared and Optical Wavebands	\$400,000
Systematic Mapping and Modulation of Biological Networks	\$417,755
16 projects / projets	\$4,356,039

University of Waterloo

Carbon Nanotube Biomaterials	\$150,000
Innovative Treatment of Obsessive-Compulsive Disorder	\$54,720
Integrated Synthesis / Analysis / Computation Laboratory for Inorganic and Bioinorganic Chemistry	\$150,000
Integrating Reaction and Catalyst Characterization	\$129,551
Knee Injury: Impact and Tissue Assessment Facility	\$99,145
Laboratory for Nanoparticle Synthesis and Application Development	\$125,000
MEMS Test and Characterization Laboratory	\$156,048
State-of-the-Art Facility for the Study of RNA Structure-Function Relationships	\$150,000
Ultrafast Characterization of Quantum Optoelectronics and Microwave-Photonic Devices and Circuits	\$99,173
9 projects / projets	\$1,113,637

University of Western Ontario (The)

A Window into Planetary Interiors: A Laboratory for Extreme Temperature and Pressure Studies	\$197,937
Advanced Oxidation Process Laboratory	\$211,536
Biotransport and Cellular Engineering Laboratory	\$201,334
Installation of a Scanning Tunneling Microscopy System for the Development of Molecular Surface Engineering of Novel Microfluidics	\$209,095
Laboratory for Chemistry and Material Research Under Extreme Conditions	\$254,255
Physiological Performance of Overwintering Insects in a Changing Climate	\$217,662
Synthetic Laboratory for the Discovery of Inorganic Materials	\$199,979
Ubiquitous Network Laboratory	\$109,700
8 projects / projets	\$1,601,498

University of Windsor

Facility to Study the Geochemical Controls on Contaminant Transport and Molecular Scale Processes	\$50,000
Universal Micro Materials Tester	\$50,000
2 projects / projets	\$100,000

Wilfrid Laurier University

Insider Trading Database	\$45,172
1 project / projet	\$45,172

York University

Comparative Perspectives Database: Understanding Gendered Labour Market Insecurity	\$159,114
Future Cinema Lab: New Stories for New Screens in the Digital Age	\$399,971
Face and Scene Processing: Behaviour and Neural Correlates	\$211,166
New Media Collaboration Centre: Canadian Arts Content Management System and Centre for Digital Policy and Cultural Rights Initiatives	\$192,749
The Cities Research Laboratory (CRL) for Multimedia Projects on World Cities and Globalization	\$264,808
The Orthopaedic Neuromechanics Laboratory (ONMLab)	\$95,131
The Role of the Cell Cycle in Skeletal Muscle Development and Disease	\$182,853
Understanding the Development and Consequences of Racial Stereotyping: A Social Cognitive Approach	\$157,931
8 projects / projets	\$1,663,723