

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

### Ontario

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$6,031,273 to support 36 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 6 031 273 \$ en vue d'appuyer 36 projets d'infrastructure.

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

G-Scale: Gaming Scalability Environment	\$258,886
Infrastructure to Study the Interactions Between Immune and Endocrine Systems in Gut in the Context of Intestinal Pathophysiology and Host Defense	\$250,341
McMaster Archaeological XRF Lab	\$63,301
Thermal Energy Recovery & Management Testing Platform	\$99,493
<b>4 projects / projets</b>	<b>\$672,021</b>

### **Queen's University**

Cellular Genomics of Cancer	\$494,649
Developing Intervention Models and Dissemination Strategies for Promoting Physical Activity for Adults with a Mobility Impairment	\$95,000
Signal Processing for Fiber-Optic Communications	\$181,711
Slowing the Allergy Epidemic through Understanding and Prevention: A Dual-Themed Research Initiative in Atopy	\$179,509
Structural and Functional Analysis of Cancer-Related Proteins	\$46,165
The Function and Structure of Human Arteries in Health, Stress and Disease	\$80,000
<b>6 projects / projets</b>	<b>\$1,077,034</b>

### University of Guelph

A Centre for Cognitive-Affective Neuroscience	\$163,885
Discovery and Development of Biomaterials	\$463,796
Model-Based Clustering with Applications in Bioinformatics and Food Authenticity	\$118,362
Postharvest Biochemistry of Horticulture Quality	\$125,242
Zebrafish Laboratory for Development and Disease	\$126,134
*Establishing a Virtual Reality Laboratory To Study Risk Factors for Child-Pedestrian Injury and 'Best Practices' for Prevention	\$124,563
<b>6 projects / projets</b>	<b>\$1,121,982</b>

*\*Funding for Research Infrastructure Associated with a CIHR Industrial Chair  
Financement de l'infrastructure liée à une Chaire industrielle des IRSC*

### University of Ottawa / Université d'Ottawa

Human and Environmental Physiology Research Unit (HEPRU)	\$338,763
Infrastructure for Bioinformatics Research Concerning Gene Regulation	\$115,916
Population Health Impact Assessment Data Centre	\$81,800
Protein-Protein Interactions In Cardiovascular Disease	\$107,974
<b>4 projects / projets</b>	<b>\$644,453</b>

### University of Toronto

Archaeological Spatial and Architectural Laboratory	\$74,302
Hyperpolarized Carbon-13 for Guiding Therapy	\$208,697
Infrastructure for a Behavioural Pharmacology Laboratory Specializing in Mental Health and Addictions	\$123,638
Laboratory for the Study of Polarity Proteins in Breast Cancer	\$399,973
MHC-Independent Innate Immune Recognition by Natural Killer Cells	\$99,912
Memory Organization in the Human Brain	\$100,000
Molecular Anthropology and Primatology Laboratory for the Study of Evolution (MAPLE)	\$70,000
Systems Analysis of Thermosensation in E. Coli and C. Elegans	\$300,000
The Ecology and Evolution of Mutualism: Infrastructure for Field and Laboratory Research	\$109,600
<b>9 projects / projets</b>	<b>\$1,486,122</b>

### University of Waterloo

Evaluation of Body Composition in Health and Disease	\$56,232
Integrated Facility for Assessing Microbial Community Diversity and Function	\$150,000
Visualization and Biotelematics Environment	\$179,867
*Vacuum Deposition System for Fabrication of Organic Electronic Devices	\$150,000
<b>4 projects / projets</b>	<b>\$536,099</b>

*\*Funding for Research Infrastructure Associated with a NSERC Industrial Chair  
Financement de l'infrastructure liée à une Chaire industrielle du CRSNG*

### University of Western Ontario (The)

Facility for Stable Isotope Analysis (FacSIA) of Modern and Ancient Biogeochemical Cycles in the Global Environment	\$394,971
<b>1 project / projet</b>	<b>\$394,971</b>

### University of Windsor

Synthetic Macromolecular Chemistry for Well-Defined Advanced Materials	\$48,169
<b>1 project / projet</b>	<b>\$48,169</b>

### Wilfrid Laurier University

Patch Clamp Electrophysiology Setup for Recording Neurons in Acute Brain Slices	\$50,422
<b>1 project / projet</b>	<b>\$50,422</b>