

**John R. Evans Leaders Fund / Fonds des leaders John-R.-Evans  
Backgrounder / Fiche d'information**

**Ontario**

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$8,527,612 to support 53 infrastructure projects in the province. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 8 527 612 \$ en vue d'appuyer 53 projets d'infrastructure dans la province.

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

Diagnostic and Biomechanical Surrogate Development for Head Injury Reduction using High-speed X-ray Fluoroscopy	\$124,000
The Role of Emotions and Heuristics on Individual Behavior and Strategic Interactions	\$52,000
<b>2 projects / projets</b>	<b>\$176,000</b>

**McMaster University**

The EvoHealth Physiology Laboratory: Testing the Evolved Function of Depression	\$59,888
Hearing Technology Research Lab	\$300,000
Infrastructure to Support Cancer Risk Assessment Research	\$216,321
Infrastructure for Genetic and Molecular Epidemiology	\$200,000
Magnetic Control of Microstructure Morphology: Means for Control of Material Properties in Nanocomposites	\$196,770
High Voltage DC Energy Conversion Laboratory	\$99,468
Research Platform for the Development of Devices and Assays for Drug Discovery	\$200,000
Next-generation Structural Systems for Seismic Protection of Infrastructure	\$338,561
Infrastructure for Continuous, Privacy Preserving, Data Cleaning at the McMaster Data Science Lab	\$49,400
Advanced Human Computer Interaction Laboratory	\$135,500
Infrastructure to Support Human Colon Function Assessment	\$79,311
Micro-scale Separations and Analysis Suite (MSAS) for Bio-processing and Environmental Applications	\$80,000
<b>12 projects / projets</b>	<b>\$1,955,219</b>

## Queen's University

Super Resolution Optical Imaging of Mitochondrial Dynamics in Human Diseases	\$400,000
Merging Mathematical Cognition and Instructional Intervention	\$86,000
Nextgen Sequencing Laboratory for Methods Development and Deciphering Genomic and Epigenetic Causes of Complex Disease	\$150,000
Development of Environmentally Responsible Hydrometallurgical Processes	\$125,000
Exploration of a Rectifying Antenna Solar Cell Technology	\$50,000
Improved Neuroendocrine Tumor Management Through RNA-based Diagnostics	\$200,000
A State-of-the-Art Optical Towing Tank for the 21st Century Project Leader	\$175,000
Connecting Genes to Molecules in Marine Proteobacteria to Discover New Compounds and Biosynthetic Pathways	\$150,000
<b>8 projects / projets</b>	<b>\$1,336,000</b>

## Ryerson University

Advanced Live-cell Microscopy to Study Membrane Dynamics, Identity and Function	\$126,912
<b>1 project / projet</b>	<b>\$126,912</b>

## University of Guelph

Plant Metabolic Biochemistry Laboratory	\$117,687
Laboratory for the Study of Hypoxic Protein Synthesis in Human Cancer Cells	\$124,470
The OVC Translational Cancer Research Laboratory	\$125,256
The Nature of Neotyphodium-Poöideae Symbioses: Biology, Agronomy, Ecological Invasions, and Climate Change	\$124,671
Neurochemical Basis of Behaviour	\$124,908
The Neurodevelopment and Degeneration Laboratory	\$251,717
Advanced Materials Research Consortium	\$399,584
<b>7 projects / projets</b>	<b>\$1,268,293</b>

## University of Ontario Institute of Technology

Laboratory for Information Visualization	\$55,139
<b>1 project / projet</b>	<b>\$55,139</b>

## University of Ottawa / Université d'Ottawa

Centre for Comparative and Evolutionary Biomechanics	\$228,290
Laboratory Facility for the In Situ Characterization of Metal-bacteria Interactions	\$379,784
<b>2 projects / projets</b>	<b>\$608,074</b>

## University of Toronto

Integrated Quantum Photonics for Secure Communications	\$399,999
Neural Mechanisms of Natural Scene Perception	\$100,000
Laboratory for Prototyping Energy and Water Systems	\$100,000
Laboratory for Micro-Robotics Research	\$100,000
Laboratory of Population Dynamics	\$399,974
Indoor/Outdoor Testbed for Aerial and Ground Multi-Robot Research	\$99,946
An Expanded Integrated Cancer Research Biomatrix	\$203,352
Extraction, Processing, and Recycling of Strategic Materials	\$115,214
Biodiversity and Conservation of Fishes Laboratory	\$80,000
Stable Isotope Facility for Improved Understanding of the Fate and Removal of Emerging Contaminants in Water	\$200,000
Infrastructure for Studying Self-Propagating Protein Aggregates	\$75,000
<b>11 projects / projets</b>	<b>\$1,873,485</b>

## University of Waterloo

Experimental Facility for Smart Infrastructure Research	\$100,000
<b>1 project / projet</b>	<b>\$100,000</b>

## University of Western Ontario (The)

Laboratory for Cell-based Regenerative Strategies with Adipose-derived Stem Cells	\$199,826
Bidirectional Cyclic Simple Shear Testing of Soils	\$125,220
Isotopic and Geochemical Investigations of Planetary Materials	\$199,997
<b>3 projects / projets</b>	<b>\$525,043</b>

## University of Windsor

Facility for Research on Structural Behaviour of Wrinkled Energy Pipelines	\$84,999
Establishing a Facility for Cognitive Neuroscience in Acquired Brain Injury	\$75,000
<b>2 projects / projets</b>	<b>\$159,999</b>

## Wilfrid Laurier University

The Songbird Project: Placing Learning and Development into a Social Context	\$59,117
<b>1 project / projet</b>	<b>\$59,117</b>

## York University

Quantitative Methods and Infrastructure for Rapid, Evidence-Based Decision-Support in Public Health	\$134,331
Neurocognitive Aging: Bridging the Gap Between Neuroscience and Neurointervention	\$150,000
<b>2 projects / projets</b>	<b>\$284,331</b>