



New Opportunities Fund / Fonds de relève Backgrounder / Fiche d'information

Ontario

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$8,225,308 to support 62 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 8 225 308 \$ en vue d'appuyer 62 projets d'infrastructure.

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

Infrastructure for Integrative Study of Behavioural and Physiological Trait Evolution	\$59,990
Integrated Tools for the Asymmetric Catalysis Laboratory	\$58,580
2 projects / projets	\$118,570

Carleton University

Centre for Research in Representational Development (CRRD)	\$197,928
Facility for Enzyme Kinetics and Gene Regulation Studies Investigating Sulfur Amino Acid Metabolism	\$201,779
Personality and Well-being: The Carleton University Happiness Laboratory -CUHL	\$189,647
Police Research Laboratory (PRL)	\$214,212
The Application of Psychological Models of Decision-making to Improve Criminal Justice Outcomes	\$173,308
5 projects / projets	\$976,874

Lakehead University

Infra-Red (IR) Spectroscopy and Hydrothermal Experimental Facility	\$125,914
Laboratory for Particle Science and Technology	\$73,588
2 projects / projets	\$199,502



Laurentian University / Université Laurentienne

Equipment to Facilitate Food Web Studies of Boreal Lakes	\$50,321
Evolutionary and Behavioural Ecology of Mammals: Individual and Genetic Approaches	\$44,725
Surface Infrared Spectrometer for Characterization of Chemistry at the Liquid/Solid Interface	\$60,517
3 projects / projets	\$155,563

McMaster University

A Molecular Analysis of Intracellular Signal Transduction in Cancer Progression	\$100,081
Cognitive Ecology Laboratory	\$120,000
Infrastructure for an Integrative and Molecular Physiology Program Examining the Regulation of Metabolism in Response to Environmental Stress and Exercise	\$120,000
Molecular Mechanisms of Allergic Airway Inflammation	\$80,000
4 projects / projets	\$420,081

Nipissing University

Reactive Oxygen Metabolism, Gene Expression, and Aging	\$75,107
1 project / projet	\$75,107

Queen's University

Enzyme Mechanisms and Protein Engineering	\$124,800
Gastrointestinal Epithelial Response to Allergy: Cellular and Molecular Mechanisms	\$60,000
2 projects / projets	\$184,800

Ryerson University

Distributed Applications and Broadband NEtworks Laboratory (DABNEL)	\$47,304
Space Avionics and Instrumentation Laboratory (SAIL)	\$63,514
2 projects / projets	\$110,818



Trent University

Establishment of a Bioarchaeology Laboratory	\$127,937
Establishment of a Confocal Microscopy Facility for Studying Poxvirus Replication	\$155,540
2 projects / projets	\$283,477

University of Guelph

An Integrated Set-up for the Metabolic Profiling of Eine Lactic Acid Bacteria and Yeast, and the Bio-chemical Grape and Wine Characterization	\$160,014
Equipment for the Study of Visio-locomotor Control in Complex Environments Across the Lifespan	\$77,846
Infrastructure for the Comparative Proteomics of Yeast Fermentations	\$125,001
Infrastructure for the Investigation of Sickness Behaviour in Swine	\$65,707
Parallel Computing for the Simulation of Gravitational Singularities and Black Holes	\$54,150
5 projects / projets	\$482,718

University of Ottawa / Université d'Ottawa

Canadian Integrative Facility for Ecoinformatics Research (CIFER)	\$100,000
Impact of Reinforcement Corrosion on Serviceability and Strength of Reinforced Concrete Structures	\$54,304
Improving Emergency Department Care Using Information Technology	\$100,426
Infrastructure for Advanced Research in Portable Non-invasive Biomedical Monitoring Technologies	\$48,707
Laboratory for Qualitative Research Methods in Environment and Health Geography	\$66,958
Optimal Shape Design Laboratory (OSDL)	\$53,065
Research Laboratory for Exploring the Teaching and Learning of Mathematics	\$99,951
Tunable Diode Laser Spectroscopy for Combustion and Emissions Research	\$84,199
8 projects / projets	\$607,610



University of Toronto

Activity-Induced Plasticity of Inhibitory Synapses	\$152,000
Corrosion Kinetics and Morphology	\$203,729
Establishing a Functional Genomics Laboratory to Study the p53 Network Using C. Elegans as a Model System	\$254,941
Establishment of a Cell Biology Laboratory for Research into Mammalian Cell Polarity	\$80,145
Facility for Analysis of Vertebrate Development	\$191,761
Facility for the Multi-Level Analysis of the Neurobiology of Respiratory Motor Control During Sleep	\$180,320
Infrastructure to Support the Establishment of a Radiopharmaceutical Discovery and Development Laboratory for Translational Cancer Research	\$168,143
Intelligent Sensory Integrated Systems Laboratory	\$101,031
Laboratory for Scanning 3D Shape and Physics	\$200,000
Lymph Node Microenvironments and the Regulation of T Cell Responses	\$124,000
Novel Therapeutic Interventions for Bronchopulmonary Dysplasia: Targeting Oxidants and Growth Factors	\$148,670
The Role of Mismatch Repair in Somatic Hypermutation of Antibody Genes	\$122,043
12 projects / projets	\$1,926,783

University of Waterloo

Buildup of a Femtosecond Laser Spectroscopy Laboratory for Biological and Environmental Studies	\$172,489
Creation of a High Performance Computational Facility for Quantum Chemistry	\$269,424
Development of "Green" Nano-Technology for Nano-Structured Polymers	\$128,458
Impact of Geological Uncertainty on Achieving Regulatory Compliance Objectives Used to Control Subsurface Waste Disposal or Remediation Projects	\$141,075
Providing Research Infrastructure for Mathematical Excellence	\$630,429
5 projects / projets	\$1,341,875

University of Western Ontario (The)

An Applied Data Research Facility for the Understanding, Prevention, and Treatment of Kidney Diseases	\$199,399
Genetic Applications to the Study of Mouse Models of Human Disease	\$224,571
Genetic, Molecular and Physiological Basis of Mental Retardation	\$254,452
Laboratory for Advanced Digital Signal Processing Research (LASPR)	\$154,079
4 projects / projets	\$832,501

University of Windsor

High Performance Computing Cluster for Fuel Cell and Hydrogen Research	\$50,000
LINUX PC Cluster for Computational Studies and Optimization of Nano-Mechanical and Industrial Systems	\$64,323
2 projects / projets	\$114,323

York University

3-D Canopy Measurement and Modeling Facility	\$83,650
Molecular Regulation of Myogenic Progenitor Cells	\$212,865
Social Category Activations: Their Effects on Perceptions and Behaviors Related to Outgroup Category Members and the Self	\$98,191
3 projects / projets	\$394,706