

Innovation Fund / Fonds d'innovation

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

Carleton University

Multi-Hazard Test Facility for Built Infrastructure Protection and Resilience	\$2,184,980
Detectors for the Exploration of New Frontiers in High Energy Physics with ATLAS in the Higgs Era	\$5,940,282
**ARIEL-II: Driving Scientific Discovery and Health Science with TRIUMF's Advanced Rare Isotope Laboratory (University of Victoria)	
** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
4 projects / projets	\$8,125,262

Lakehead University

** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
1 project / projet	

Laurentian University / Université Laurentienne

** Enhanced Tellurium Purification and Double Beta Sensitivity for the SNO+ Experiment (Queen's University)	
1 project / projet	

McMaster University

Research Facility for Integrated Building Energy Harvesting Systems	\$1,991,740
** ARIEL-II: Driving Scientific Discovery and Health Science with TRIUMF's Advanced Rare Isotope Laboratory (University of Victoria)	
** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
3 projects / projets	\$1,991,740

Mount Sinai Hospital

The Centre of Immune Profiling – a Next-Generation Paradigm for Understanding and Treating Immune Disease	\$1,337,746
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... / Mount Sinai Hospital

Probing Cellular Networks by Next-Generation Proteomics and Single-Cell Genomics	\$2,030,056
2 projects / projets	\$3,367,802

Queen's University

Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies	\$7,700,873
Queen's CardioPulmonary Unit (Q-CPU) – Centre for Translational Research in Pulmonary Hypertension	\$3,830,497
Enhanced Tellurium Purification and Double Beta Sensitivity for the SNO+ Experiment	\$1,854,263
A Molecular Approach to Surface Functionalization: From Automotive to Biomedical Applications	\$3,379,819
** Toward Cutting Edge Science: Establishing Advanced Micro-beam Capability for Macromolecular Crystallography at the CLS (University of Saskatchewan)	
** ARIEL-II: Driving Scientific Discovery and Health Science with TRIUMF's Advanced Rare Isotope Laboratory (University of Victoria)	
6 projects / projets	\$16,765,452

Royal Military College / Le Collège militaire royal du Canada

** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
** SPIRou: An All-Sky Near-Infrared Spectro-Polarimeter for the Detection and Characterization of Terrestrial Exoplanets (Université de Montréal)	
2 projects / projets	

Ryerson University

Responsive Ecologies Lab - RE/Lab	\$730,618
** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
2 projects / projets	\$730,618

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Sunnybrook Health Sciences Centre

Interventional Device Development and Testing Platform	\$600,000
1 project / projet	\$600,000

The Hospital for Sick Children

Rapid Prototyping of Patient Specific Models, Dextrous Tools and Implants	\$424,299
Centre for Developmental Brain Plasticity & Repair (CDBPR)	\$2,072,739
Next Generation Genome Editing and Functional Evaluation of Pre-Clinical Models of Human Disease	\$1,079,999
Dynamic Complexes and Large-Scale Assemblies in Neurobiology and Disease	\$1,241,973
* Canada's Genomics Enterprise (CGEn): A National Genomic Tools Network for Transforming Life Science Research (The University of British Columbia)	\$5,045,742
5 projects / projets	\$9,864,752

The University of Western Ontario

Enhancing the Resilience and Sustainability of Critical Geotechnical Infrastructure	\$2,196,557
* Rapid Prototyping of Patient Specific Models, Dextrous Tools and Implants (The Hospital for Sick Children)	\$288,551
** SPIRou: An All-Sky Near-Infrared Spectro-Polarimeter for the Detection and Characterization of Terrestrial Exoplanets (Université de Montréal)	
** ARIEL-II: Driving Scientific Discovery and Health Science with TRIUMF's Advanced Rare Isotope Laboratory (University of Victoria)	
** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
5 projects / projets	\$2,485,108

University Health Network

Organ Repair Laboratory	\$449,828
Integrative Systems-Level Imaging (ISLI)	\$2,867,452
High-Resolution Discovery Tools to Enable Personalized Cancer Medicine	\$3,705,942
DriverLab: Developing Advanced Driving Simulation Technologies to Support Safe Driving in Older and At-Risk Drivers	\$1,000,000

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... / University Health Network

Centre for Islet Research and Therapeutics (CIRT)	\$796,903
5 projects / projets	\$8,820,125

University of Guelph

Evaluating Soil Health and Soil Ecosystem Services for Improved Performance of Agro-Ecosystems under Climate Change	\$1,007,790
GRIFFIN Compton and Background Suppression Shields	\$1,425,306
** ARIEL-II: Driving Scientific Discovery and Health Science with TRIUMF's Advanced Rare Isotope Laboratory (University of Victoria)	
3 projects / projets	\$2,433,096

University of Ottawa / Université d'Ottawa

Stem Cell Epigenetics and Therapeutics	\$2,870,118
Coherent X-Ray Photonics: A Technology Unifying Materials, Imaging and Ultrafast Science	\$6,467,287
Deciphering Brain Network Disruptions in Neurological Disorders: A Pivotal Step in Therapeutic Intervention	\$2,816,000
Advanced Materials: From Designer Molecules to Transformative Devices	\$6,572,036
Research Program for Rare Pediatric Diseases (RaPiD)	\$2,396,139
* Multi-Hazard Test Facility for Built Infrastructure Protection and Resilience (Carleton University)	\$798,126
** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
7 projects / projets	\$21,919,706

University of Toronto

Engineered Biologics - Targeted Diagnostics and Therapeutics	\$3,283,502
Food Security in a Changing World: Centre for Plant-Microbe Chemical Genomics	\$1,193,200
Smart Grid: Cyber-Physical Operation, Security and Quantum Technology	\$762,660
CERES: CEntre for Reconfigurable Electromagnetic Surfaces	\$2,600,000
Canadian VLBI Infrastructure	\$400,000

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... / University of Toronto

Centre for Cancer Stem Cell Therapeutics	\$2,277,200
* A Molecular Approach to Surface Functionalization: From Automotive to Biomedical Applications (Queen's University)	\$134,283
** Detecting Fast Radio Transients with the CHIME Telescope (McGill University)	
** ARIEL-II: Driving Scientific Discovery and Health Science with TRIUMF's Advanced Rare Isotope Laboratory (University of Victoria)	
** Toward Cutting Edge Science: Establishing Advanced Micro-Beam Capability for Macromolecular Crystallography at the CLS (University of Saskatchewan)	
** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
11 projects / projets	\$10,650,845

University of Waterloo

Advanced Aging ResearCH (ARCH) to Transform Health and Well-Being of Older Adults	\$1,387,023
A Platform for CMOS-MEMS Integration and Characterization	\$607,448
Facility for Fully Interactive Physio-Digital Spaces	\$616,306
The Robohub: A Robotic Test Facility for Multi-Robot Teams	\$1,512,194
** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
5 projects / projets	\$4,122,971

University of Windsor

** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
1 project / projet	

Vineland Research and Innovation Centre

* Food Security in a Changing World: Centre for Plant-Microbe Chemical Genomics (University of Toronto)	\$614,280
1 project / projet	\$614,280

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Wilfrid Laurier University

The Changing Arctic Network (CANet)	\$3,281,900
1 project / projet	\$3,281,900

Women's College Hospital

Measuring Low Frequency Genetic Markers for Cancer Management	\$965,774
1 project / projet	\$965,774

York University

Canadian Planetary Simulator (CAPS)	\$1,339,621
CRESS - Suborbital Payload Research Centre (SPaRC)	\$1,681,660
** ALPHA-g: An Apparatus to Explore Antimatter Gravity with Cold Trapped Antihydrogen (University of Calgary)	
** ARIEL-II: Driving Scientific Discovery and Health Science with TRIUMF's Advanced Rare Isotope Laboratory (University of Victoria)	
** Platform for Advanced Design Leading to Manufacturing in Micro-Nano Technologies (Queen's University)	
5 projects / projets	\$3,021,281

TOTAL \$99,760,712

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