



**Leading Edge Fund / Fonds de l'avant-garde  
New Initiatives Fund / Fonds des initiatives nouvelles**

**Backgrounder / Fiche d'information**

**Ontario**

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$262,799,605 to support 61 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 262 799 605 \$ en vue d'appuyer 61 projets d'infrastructure.

Project Title / Titre du projet	Maximum CFI Contribution / Contribution maximale de la FCI
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**Center for Addiction and Mental Health**

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Transforming Lives: NeuroIMAGENE, the Convergence of Genetics and Brain Imaging in Mental Health and Addictions	\$2,806,899
<b>1 project / projet</b>	<b>\$2,806,899</b>

**Hospital for Sick Children (The)**

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
Integrative Genomics for Health Research – Phase II	\$4,276,707
<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Disruptive Technologies in Paediatric and Foetal Intervention	\$2,200,000
<b>2 projects / projets</b>	<b>\$6,476,707</b>



### McMaster University

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
Auditory Interaction and Communication in Complex Environments: Neural, Developmental and Applied Aspects	\$2,346,412
Laboratory for Advanced Photovoltaic Research	\$5,123,758

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Biointerfaces Institute	\$7,227,158
Centre for Advanced Nuclear Systems	\$9,172,600
McMaster Intense Positron Beam Facility	\$2,326,166
The Canadian Longitudinal Study on Aging: Understanding the Complexity of Aging Health Through Interdisciplinary Research	\$10,215,493

<b>6 projects / projets</b>	<b>\$36,411,587</b>
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### Mount Sinai Hospital

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
A Clinical Phenotyping and Computational Facility for the Study of Complex Disease	\$442,951
Quantitative Cell Biology and Proteomics	\$11,542,412
The CMHD: An Integrated and Regional Platform for Mouse Models of Human Disease	\$7,341,094

<b>3 projects / projets</b>	<b>\$19,326,457</b>
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### Ontario Institute for Cancer Research

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Pancreatic Cancer Genome Project and Data Coordination Centre for the International Cancer Genome Consortium	\$12,503,258

<b>1 project / projet</b>	<b>\$12,503,258</b>
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### Perimeter Institute for Theoretical Physics

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
Building on Success: Perimeter Institute Expansion for Global Leadership	\$10,012,043
<b>1 project / projet</b>	<b>\$10,012,043</b>

### Queen's University

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
A Comprehensive Approach to Identifying Genes for Complex Genetic Disorders: Autism Spectrum Disorders & Beyond	\$1,709,465
Effects of the Geosphere-Biosphere Interface on Element Migration in the Near-Surface Environment	\$1,996,087
Integrated Technologies for Bone and Joint Health: Multi-Centre Infrastructure Development Program Phase 4	\$696,481
emSYSCAN - Embedded Systems Canada	\$19,303,622
<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Particle Astrophysics Experiments at SNOLAB - SNO+ and DEAP/CLEAN	\$10,561,628
Testing of Nuclear Materials in a Simulated Reactor Environment	\$6,997,920
Thin Film Coating Initiative: Advancing Technology Development and Industrial Applications	\$1,452,360
<b>7 projects / projets</b>	<b>\$42,717,563</b>

### Ryerson University

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
WindTech R&D: Expansion of the Laboratory for Electric Drive Application and Research (LEDAR) to Advance Wind Technology	\$729,771
<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
EDGE: Experiential Design and Gaming Environment	\$424,538
<b>2 projects / projets</b>	<b>\$1,154,309</b>



### Sunnybrook Health Sciences Centre

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
An Integrated Breast Cancer Research Biomatrix	\$737,246

<b>1 project / projet</b>	<b>\$737,246</b>
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### University Health Network

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
Ontario Regional Center for Cell and Vector Production	\$7,377,525

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
NanoMed Fab: A Nanofabrication Centre for Personalized Medicine	\$2,486,515
Robotic Positioning for Image-Guided Surgery and Radiation Therapy	\$5,558,903

<b>3 projects / projets</b>	<b>\$15,422,943</b>
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### University of Guelph

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
Centre For Biodiversity Genomics	\$7,240,524

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Centre for Public Health and Zoonoses	\$1,018,836
Gamma-Ray Infrastructure For Fundamental Investigations of Nuclei (GRIFFIN)	\$4,237,763

<b>3 projects / projets</b>	<b>\$12,497,123</b>
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### University of Ontario Institute of Technology

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Centre for Characterization of Polymers and Cellular Polymeric Composites (CCPCPC)	\$342,159

<b>1 project / projet</b>	<b>\$342,159</b>
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### University of Ottawa / Université d'Ottawa

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
Canadian Accelerator Mass Spectrometry (AMS) Facility	\$8,409,245
<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Sub-Wavelength Science	\$4,296,167
<b>2 projects / projets</b>	<b>\$12,705,412</b>

### University of Toronto

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
Advanced Thermal Spray Process Diagnostics and Coating Characterization Facilities	\$1,602,731
Center for the Neurobiology of Stress	\$2,105,735
Centre for Industrial Application of Microcellular Plastics	\$3,644,498
Centre for Spectroscopic Investigation of Complex Organic Molecules and Polymers (CSICOMP)	\$2,588,764
Deciphering Cellular Networks in Health and Disease Using Automated Genetics and Cell Biology	\$2,342,442
High Field NMR Studies of Protein Molecules in Health and Disease	\$4,595,843
The Canadian Aerosol Research Network (CARN): Climate, Air Quality and Health in 2020	\$6,059,069
<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Advanced Laboratory for Fluorinated and Other New Substances in the Environment (ALFONSE)	\$712,000
BioZone: A Bioengineering Research Facility for Energy, Environmental and Economic Sustainability	\$2,533,654
Center for Microsatellite Science and Technology Development and Low-Cost Space Research	\$4,008,198
Centre for Microfluidic Systems in Chemistry and Biology	\$3,749,954
Construction of a Centre for Collaborative Interactive Digital Media	\$2,400,000
Diet, the Digestive tract and Disease: The 3D Centre	\$5,437,276
Inclusive Design Institute	\$6,207,874



### .../University of Toronto

Molecular Imaging Facility: From Single Proteins to Atomically-Resolved Structural Dynamics	\$1,002,090
Ontario Initiative in Personalized Stem Cell Medicine	\$9,932,011

<b>16 projects / projets</b>	<b>\$58,922,139</b>
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### University of Waterloo

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
Advanced Joining Facilities for Macro, Micro and Nano Level Fabrications	\$1,183,608
Smart Materials Ontario (SMO): Advancing New Functional Materials Technology	\$2,903,866

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Facility for the Assessment of Engineered Rehabilitation Systems for Infrastructure Renewal	\$468,909
Materials and Manufacturing for Light Weight Automotive Structures and Advanced Occupant Protection	\$3,774,926

<b>4 projects / projets</b>	<b>\$8,331,309</b>
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### University of Western Ontario (The)

<b>Leading Edge Fund / Fonds de l'avant-garde</b>	
Enhancing the Science: Polarized Photons and Improved Endstations for the SGM and PGM at the Canadian Light Source	\$1,618,902
Image-Guided Minimally Invasive Intervention and Simulation	\$2,577,602

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Capacities for a Sustainable Archaeology	\$3,911,058
The Wind Engineering, Energy and Environment (WindEEE) Dome	\$9,476,388

<b>4 projects / projets</b>	<b>\$17,583,950</b>
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### University of Windsor

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Centre for High Efficiency Clean Diesel & Hybrid Powertrain Research	\$1,438,631
<b>1 project / projet</b>	<b>\$1,438,631</b>

### Wilfrid Laurier University

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Developing the Movement Disorders Research & Rehabilitation Centre: A Multi-Disciplinary Facility for Parkinson's Disease	\$698,462
Improving Canadian Capacity for Predicting the Impacts of Natural and Human Disturbances on Boreal Water Resources	\$1,999,712
<b>2 projects / projets</b>	<b>\$2,698,174</b>

### York University

<b>New Initiatives Fund / Fonds des initiatives nouvelles</b>	
Canadian Centre for Field Robotics	\$711,696
<b>1 project / projet</b>	<b>\$711,696</b>