

John R. Evans Leaders Fund

Quebec

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$15 237 233 to support 73 infrastructure projects in the province.

Project Title	Maximum CFI Contribution
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Bishop's University

Neurophysiological Data Acquisition Platform for Bishop's University	\$72,492
1 project	\$72,492

McGill University

Building a Generalized Model of Working Memory in Human Lateral Prefrontal Cortex	\$103,422
Application for a FACS for Human Cell Selection	\$100,927
A Virtual Reality-compatible Mobile Research Lab for Field-informed Seismic Analysis of Old Buildings	\$80,000
Molecular Neuroimaging in Psychosis and Substance Use Disorders	\$262,301
Virtual Reality of the Mining Ecosystem	\$91,800
Development of a Sensometric Lab and Community Food Pharmacy	\$116,900
Cryo-SEM/Cryo-FIB/SEM Preparation System	\$155,060
Scalable Neuro-symbolic Reasoning for Software 2.0	\$82,891
A Deployable Back-end for Radio Astronomy	\$452,199
Oral Rehabilitation Research Unit of Montreal (ORUM): Advancing clinical research in restorative oral healthcare	\$187,758
An Automated High Content Platform for the Rapid Imaging of 3D Brain Organoids	\$788,188
Systems and Technologies for Ultra-high Capacity Optical Fiber Transmission Systems	\$420,333
Laboratory for the Study of Viral Biomolecular Condensates	\$99,700
DNA Nanostructures for Precision Cancer Therapy	\$228,403
Platforms to Monitor DNA Damage Repair in Cellulo and Identify Clinically Relevant Biomarkers	\$799,793
15 projets	\$3,969,675

Polytechnique Montréal

Innovative Experimental Testing of the Structural Safety of Concrete Dams and their Appurtenant Structures	306 190 \$
Towards Intelligent and Reliable Edge	\$235,760

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Design and Development of Artificial Intelligence Empowered Sub-THz Communication System	\$142,000
Part Design Optimization using Binder Jetting and AI: Application to battery casing for automotive industry	\$250,000
Regenerative Medicine for Musculoskeletal Conditions	\$438,212
Measuring Emotional and Cognitive Reactions of Decision-making in Complex Environment and Increasing Human Capability	\$131,673
High-throughput, High-resolution Cell Imaging by Flow-enabled Microscopy	\$138,000
7 projects	\$1,641,835

Université de Montréal

Click Alginate Wound Dressings for Wound Healing and Diagnostics	\$166,883
Molecular Determinants of Atrial Fibrillation	\$100,000
Digital Fabrication for Environmentally Conscious Architectural Structures	\$187,272
Super-resolution Imaging for Diabetes Research	\$199,476
The Non-coding Genome in the Regulation of Cardiac Development and Disease	\$100,000
An In-vivo Imaging and Photo-stimulation Platform	\$269,999
The Charest Lab: An infrastructure for the advance of cognitive and computational neuroscience of vision	\$236,190
Improving Assessment and Management of Meniere's Disease	\$79,199
Création d'un Laboratoire de recherche sur les maladies cornéennes complexes associés à la neuropathie périphérique	\$109,131
Electron Microscopy Infrastructure for Advanced Imaging and Structural Biology Applications	\$798,843
The Closed-Loop brain Imaging Platform (CLIP)	\$99,405
11 projects	\$2,346,398

Université de Sherbrooke

Research Infrastructure for Robot Audition	\$90,095
Mm-wave Josephson Photonics	\$108,594
Chemisorption Analysis and the Development of Catalysts for Power-to-X Applications	\$100,000
Assembly Equipment for Heterogeneous Microsystems	\$80,000
Metabolic Phenotyping in the Prevention and Pathophysiology of Metabolic Diseases	\$362,253
Équipements pour la SYnthèse des Nanomatériaux pour l'énergie, la biomasse et l'industrie (ÉSYN)	\$133,798

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Electron Microscopy Platform to Study Kidney Pathologies, Chronic Pain and Nanoparticle Structure	\$404,699
Testing Facilities for Propellers and Unconventional Aircraft Concepts	\$115,065
Vibrations de structures : Infrastructure pour leur mesure de plein champ, non intrusive et résolue en temps	\$107,850
9 projects	\$1,502,354

Université du Québec - Institut national de la recherche scientifique

CoLaboratoire Villes Voix Visions: Co-Creating Knowledges through Audio, Visual, and Cartographic Storytelling	\$108,088
Solutions d'adaptation aux risques de submersion du littoral marin et de l'érosion côtière-SUBLIME	\$136,484
Characterization of Rock and Geochronometer Deformation with Electron Backscatter Diffraction (EBSD)	\$125,080
3 projects	\$369,652

Université du Québec à Chicoutimi

Upgrading R&D Platform on the Characterization of Carbon Anodes and Thermophysical Properties of Materials	\$295,504
1 project	\$295,504

Université du Québec à Montréal

Laboratoire Handicap Sourditude et Innovations (HSI)	\$507,559
Algorithms and Software for Analyzing Structural and Functional Information of all known RNA Sequences	\$125,744
Laboratoire de recherche sur l'imaginaire du Nord	\$151,978
3 projets / projects	\$785,281

Université du Québec en Abitibi-Témiscamingue

Continuum Autisme - comprendre les besoins des adultes autistes en services sociaux en partenariat avec eux	28 846 \$
1 project	28 846 \$

Université Laval

Inorganic Compounds Bearing Oxidizing Groups: Fundamental knowledge, optoelectronics and green energetic materials	\$130,424
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Laboratoire de pointe en chimie peptidique et biomoléculaire pour la découverte et la conception de molécules bioactives	\$109,993
PhagoTEM : pour le développement de la recherche sur la phagothérapie et au-delà	\$411,478
Cell Culture Platform for Functional Analysis of Epigenetic Modifiers Linked to Human Diseases	\$110,095
Kenkō: application mobile pour développer les connaissances et interventions en matière de bien-être des travailleurs	\$158,000
Plateforme de Diffraction-X haute performance pour l'étude des matériaux cimentaires à faible empreinte carbone	\$360,662
Sleep Pharmacometabolism	\$139,507
State-of-the-art Platform to Enhance Sustainable Agriculture through Genetic Resistance to Pathogens	\$79,200
PhytoPheno: Phytochemical Diversity Assessment Across the Plant Kingdom using State-of-the-art GC-MS Analysis Methods	\$102,686
Lipid Nanoparticle Production Platform for the Development of Nucleic Acid-based Therapeutics	\$110,191
Radio-over-Fiber for 5G Fronthaul	\$99,150
Radiopharmaceutical Laboratory Equipment for Innovative Theranostics and Molecular Imaging	\$150,000
Unité de recherche régionale en télésanté périnatale	\$800,000
Development of a Novel Type of Multimodal Microscope to Investigate Brain Function and Disease	\$240,000
Infrastructure pour la caractérisation géomécanique globale des réseaux de fractures	\$295,000
Developing New Biomarkers to Improve Lung Cancer Management	\$267,707
Valorisation des rejets agroalimentaires: micro et nanostructure & rhéologie des fibres alimentaires	\$80,942
Research for the Environmental Characterization of Emerging Inorganic Pollutants from Technologies (RECEIPT)	\$75,326
Establishment of an Infrastructure to Study Skin Development and Cancer	\$120,000
Cellular Communication in Central and Peripheral Nervous System: From mechanisms to therapies for ALS	\$159,804
Evaluating Household Beverage Purchasing Patterns and Trends in Québec and Ontario: Evidence to inform policy	\$79,515
Human-centred Digital Health to Support Canadians' Health Decision Making	\$145,516
22 projects	\$4,225,196

NOTE: As part of this announcement, an additional \$4,571,170 was awarded under the Infrastructure Operating Fund (IOF), a mechanism that assists institutions with the incremental operating and maintenance costs associated with the new infrastructure.