

Fonds des leaders John-R.-Evans

Québec

Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 15 237 233 \$ en vue d'appuyer 73 projets d'infrastructure dans la province.

| Titre du projet | Contribution maximale de la FCI |
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Bishop's University

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| Neurophysiological Data Acquisition Platform for Bishop's University | 72 492 \$ |
| 1 projet | 72 492 \$ |

McGill University

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| 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

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| 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 projets | 1 641 835 \$ |

Université de Montréal

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| 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 projets | 2 346 398 \$ |

Université de Sherbrooke

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| 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 projets | 1 502 354 \$ |

Université du Québec - Institut national de la recherche scientifique

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| 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 projets | 369 652 \$ |

Université du Québec à Chicoutimi

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

Université du Québec à Montréal

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| 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 | 785 281 \$ |

Université du Québec en Abitibi-Témiscamingue

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

Université Laval

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| Inorganic Compounds Bearing Oxidizing Groups: Fundamental knowledge, optoelectronics and green energetic materials | 130 424 \$ |
| Laboratoire de pointe en chimie peptidique et biomoléculaire pour la découverte et la conception de molécules bioactives | 109 993 \$ |

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| 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 projets | 4 225 196 \$ |

À NOTER : Cette annonce comprend l'attribution d'une somme additionnelle de 4 571 170 dollars du Fonds d'exploitation des infrastructures. Les établissements utilisent ces montants pour assumer une partie des coûts d'exploitation et de maintenance de la nouvelle infrastructure.