

**Fonds des leaders John-R.-Evans / John R. Evans Leaders Fund  
 Fiche d'information / Backgrounder**

**Québec / Quebec**

Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 17 198 503 \$ en vue d'appuyer 96 projets d'infrastructure dans la province. / The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$17,198,503 to support 96 infrastructure projects in the province.

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

*Deindustrialization and the Politics of our Time	136 353 \$
<b>1 projet / project</b>	<b>136 353 \$</b>

*\* Funding for Research Infrastructure Associated with SSHRC Research Support  
 Financement de l'infrastructure liée au soutien à la recherche du CRSH*

**École Polytechnique de Montréal**

Système d'acquisition sismique autonome de haute résolution	125 000 \$
<b>1 projet / project</b>	<b>125 000 \$</b>

**HEC Montréal**

Modelling Complex User Preferences for Recommendations using Deep Learning	141 243 \$
High-efficiency Computing for Behavioural Economic Analyses of Large Proprietary Microdata Sets	40 000 \$
<b>2 projets / projects</b>	<b>181 243 \$</b>

**McGill University**

Creation of a Multidisciplinary Sleep Laboratory at the Neuro	254 296 \$
Harnessing Microbiota Metabolism for Human Health Benefits	352 778 \$
Multi-scale in Vivo Imaging of Biological Systems	271 990 \$
MAP-PRO: An Electronic Database and Learning Hub for Canadian Early Psychosis Services	80 000 \$
McGill Soil Biogeochemistry and Ecology Laboratory	150 000 \$
Subsurface Hydrogeochemistry and Fluid Flow	475 360 \$

... / **McGill University**

Combined Microreactor Mass Spectrometry Infrastructure for Catalyst Characterization	120 000 \$
Fast Scalable Deep Learning for Sensitive Big Data in Healthcare and Social Contexts	120 000 \$
Click Chemistry for Precision Medicine	285 000 \$
Conformational Dynamics of Complex Proteins in Health and Diseases	592 636 \$
Antagonistic Inter-bacterial Interactions	143 180 \$
Blood-based Biomarkers for Ageing-related Brain Diseases	417 175 \$
Infrastructure for Advanced Arctic and Urban Climate Modelling in Support of Climate-resilient Engineering Systems	135 180 \$
CoDEx: Computational Design Exploratory	78 807 \$
Metabolism of Stress-regulated Genes in Health and Disease using Single Molecule Imaging	200 000 \$
Drivers of Breast Cancer Progression Identified within Arm-level Somatic Copy Number Alterations	109 179 \$
Development of Biodegradable Functional Materials from Low-value Biomass for Food and Agricultural Applications	121 500 \$
The Role of Lipoma Preferred Partner (LPP) in Regulating Breast Cancer Progression	744 304 \$
Muscle Stem Cell Biology in Health and Disease	149 582 \$
NIR Imaging Platform for Biophotonic Technologies Relying on New Dormant Sensors/Sensitizers	172 875 \$
A Path to Anti-aging Drugs	179 196 \$
Markers to Market: A Platform to Translate Quantitative Genomics Data into Field-ready, Value-added Commodity Cultivars	152 062 \$
Mechanism and Therapy for Autism Spectrum Disorders Associated with Copy Number Variants	169 634 \$
Development of Strategies to Better Understand and Control the Long-term Side Effects of Radiotherapy	87 579 \$
4D Immersive Scene Capture and Processing	78 020 \$
Mapping Dopamine Circuits in the Healthy and Diseased Brain	294 592 \$
UHPLC-MS to Develop Technologies to Control the Presence and Fate of Contaminants in Natural & Engineered Water Systems	406 300 \$
Integrated Facility for Research on Large Animals Species	800 000 \$
Exercise and Nutrition to Support Skeletal Muscle Health Across the Lifespan	344 957 \$
Neuroecology of Spatial Behaviour Lab	165 000 \$
Biotechnological Production of High-value Compounds	140 000 \$
Atomic Layer Deposition of Electrochemical Energy Storage Devices	260 101 \$

## ... / McGill University

High Throughput Monitoring of Cell Metabolism using a Modernized Tissue Culture Facility	234 500 \$
Anishinaabe Stories Database	46 961 \$
New Computational Techniques for Modeling of Disordered Molecular Systems for Applications in Nano- and Bio- engineering	80 000 \$
Circulating Immune Cells and Interactions in the Nervous System	141 863 \$
Heat Transfer in Thermal Energy Technologies	233 308 \$
<b>37 projets / projects</b>	<b>8 787 915 \$</b>

## Université de Montréal

Overcoming Multi-drug Resistance in Cancer	275 278 \$
Spectral CT Mass Spectrometry with MARS	281 124 \$
3D Imaging Platform for the Study of the Visual System	239 324 \$
To Uncover, Understand and Exploit the Estrogen-oncolytic Virus Crosstalk to Improve Therapy	109 484 \$
Infrastructure for Advanced Chemical Glycomics	179 549 \$
Human Immunodeficiency Virus (HIV)-host Interactions: From Mechanisms of Viral Persistence to Infection Control	169 747 \$
The Angiogenesis & Vascular Bioreactor Platform: Endothelium-pericyte Interaction in Development and Vascular Diseases	144 241 \$
Modulation of Cancer Metabolism by Multiple Layers of Gene Expression	180 124 \$
Interplay of Neuroinflammation and Neurodegeneration in Chronic CNS Diseases	111 200 \$
Development of an Anti-infectives Therapeutic Drug Monitoring and Pharmacokinetic Program	112 408 \$
Identifying Gut Microbiota Composition by Culturomics to Improve Cancer Immunotherapy	110 000 \$
Metabolic and Epigenetic Interplay in Drug Resistant Cancers	165 284 \$
Créer et expérimenter des dispositifs didactiques adaptant les jeux vidéos d'histoire commerciaux: laboratoire mobile	124 710 \$
Impact of NADPH Oxidase 2 (NOX2) Defects on the Microbiota and Intestinal Barrier Function	152 064 \$
Multi-omics Data Analyses in Cardiovascular Research	99 536 \$
Laboratory of Multi-scale Biomechanics and Advanced Imaging	198 876 \$
Pharmacotherapy of Ketone Body Metabolism in Obesity	160 430 \$
Host-parasite Interactions in a Changing World	205 290 \$
A New Generation of Preclinical Models of Stroke	234 348 \$

... / **Université de Montréal**

The NECS Lab : An Infrastructure to Move Forward the Study of Social Decision-making	174 547 \$
A Mechanistic Investigation into the Establishment and Loss of Functional Cell Identity	211 408 \$
Electrocatalyst Development and In Situ Spectroscopy for Renewable Energy Applications	179 040 \$
<b>22 projets / projects</b>	<b>3 818 012 \$</b>

**Université de Sherbrooke**

Infrastructure for Microbial Systems Biology	100 788 \$
Advanced Tissue Engineering Systems to Study the Functionality of Glial Cells in Engineered Anisotropic Biomaterials	86 636 \$
Functional Investigation of Locomotor Circuits from Cell to Behaviour	320 502 \$
Human Rights In Trade / Les droits humains dans les traités économiques	98 934 \$
Translational Platform for Human Movement Signature Assessment	118 948 \$
Stereo Particle Image Velocimetry (PIV) System for Thermal Flow Studies in Buildings	95 000 \$
<b>6 projets / projects</b>	<b>820 808 \$</b>

**Université du Québec - École de technologie supérieure**

Artificial Intelligence Technologies for Contact-free Affective Computing	188 300 \$
<b>1 projet / project</b>	<b>188 300 \$</b>

**Université du Québec à Chicoutimi**

Mise à jour de l'infrastructure pour le diagnostic de l'appareillage de puissance	94 007 \$
Infrastructure spécialisée dédiée à la caractérisation des fluides contaminés, de la neige et la glace atmosphérique	102 703 \$
<b>2 projets / projects</b>	<b>196 710 \$</b>

**Université du Québec à Montréal**

Sapientia	118 500 \$
A Biological Interaction Research Platform	148 200 \$
Development of New Macromolecular Systems for Biomedical Applications	105 000 \$
Modélisation du climat passé à futur et téléconnexions dans le système climatique global à régional	227 458 \$
Critical Infrastructure Upgrade to the U-Pb Geochronology Platform	86 594 \$

**... / Université du Québec à Montréal**

Projet Encodage: prototype de plateforme d'interrogation et d'accélérateur de pistes interprétatives sur le contemporain	90 765 \$
<b>6 projets / projects</b>	<b>776 517 \$</b>

**Université du Québec à Rimouski**

Laboratoire d'ingénierie des bioprocédés et technologies vertes de transformation	116 000 \$
<b>1 projet / project</b>	<b>116 000 \$</b>

**Université du Québec à Trois-Rivières**

Techniques de spectroscopie Raman avancées pour la détection de traces en criminalistique	80 167 \$
<b>1 projet / project</b>	<b>80 167 \$</b>

**Université du Québec en Abitibi-Témiscamingue**

Laboratoire intersectoriel d'impression 3D	102 652 \$
Retraitement des rejets miniers	203 597 \$
<b>2 projets / projects</b>	<b>306 249 \$</b>

**Université Laval**

Carbon Pool Fingerprinting Along Gradients (Carpool)	95 149 \$
Microscope bi-photonique développable pour la mesure du temps de vie de fluorescence et de phosphorescence	100 000 \$
A Central Role for Neurovascular Health in Emotional Memory Encoding and Stress Responses	120 000 \$
A Bottom-up Approach for Engineering Green Concretes with Locally Available Alternative Cementitious Materials	129 932 \$
Identification of New Targets to Treat Pulmonary Arterial Hypertension	116 668 \$
Laboratoire de synthèse et caractérisation lié à la Chaire de Recherche en Catalyse Verte et Procédés sans Métaux	270 745 \$
The Molecular Neurobiology of Mood Disorders	120 000 \$
Integrative Genomics in Cardiometabolic Diseases	120 000 \$
Laboratory on Green Process Engineering and Biorefineries (BioEngine)	100 172 \$
Chaire de recherche, in genomics and metabolomics of the symbiosis between tropical plants and microbes	93 057 \$
Enhancing Cognitive Functions in Health and Disease with Information-based Neuromodulation	129 986 \$

... / Université Laval

Neurocognition des émotions et du trauma	97 925 \$
Plateforme analytique pour l'étude des interactions entre les composantes alimentaires	75 250 \$
Infrastructures pour la recherche en sciences apicoles	96 345 \$
<b>14 projets / projects</b>	<b>1 665 229 \$</b>

**À NOTER :** Cette annonce comprend l'attribution d'une somme additionnelle de 5 159 551 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.

**NOTE:** As part of this announcement, an additional \$5,159,551 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.