

**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 12 531 406 \$ en vue d'appuyer 76 projets d'infrastructure dans la province. / The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$12,531,406 to support 76 infrastructure projects in the province.

| Titre du projet / Project Title | Contribution maximale de la FCI<br>Maximum CFI Contribution |
|---------------------------------|-------------------------------------------------------------|
|---------------------------------|-------------------------------------------------------------|

**Concordia University**

|                           |                   |
|---------------------------|-------------------|
| * Aging in Data           | 176 973 \$        |
| <b>1 projet / project</b> | <b>176 973 \$</b> |

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

**HEC Montréal**

|                           |                   |
|---------------------------|-------------------|
| Tech3Lab Centre-Ville     | 400 000 \$        |
| <b>1 projet / project</b> | <b>400 000 \$</b> |

**McGill University**

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|------------------------------------------------------------------------------------------------------|------------|
| Autonomous Antenna Stations for Low-frequency Radio Astronomy                                        | 238 000 \$ |
| Advanced Research Computing Infrastructure for Machine Learning in Computational Regulatory Genomics | 80 000 \$  |
| Rapid Throughput Analysis of Solid-State Materials                                                   | 120 000 \$ |
| Plant Nutrients and Global Change: Can Supply Meet Demand?                                           | 142 000 \$ |
| Laboratory for Multiscale Quantitative Imaging of Cell Division                                      | 485 319 \$ |
| Digital Image Correlation for Sustainable Bridge Infrastructure                                      | 80 000 \$  |
| Transcriptional Control of Telomeric Expression Sites and Antigenic Variation                        | 225 571 \$ |
| Neurobiological Mechanisms and Cognitive Functions of Forgetting                                     | 132 304 \$ |
| Discovery of Sustainable and High-performing Battery Materials                                       | 348 000 \$ |
| Main Group Elements as Sustainable and Inexpensive Metal-free Catalysts for Synthesis                | 210 000 \$ |
| Empirical Investigation of Robots that Influence People                                              | 186 000 \$ |

**... / McGill University**

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|----------------------------------------------------------------------------------------------------------------|---------------------|
| Advanced Computing Infrastructure for Integrating Machine Learning and Linguistics                             | 180 000 \$          |
| The Dynamics of Motor Proteins in Muscle Contraction, Cell Mechanics, and Intracellular Transport              | 664 047 \$          |
| Learning on Large-scaled Structured Data                                                                       | 80 000 \$           |
| Fish Population and Conservation Genomics Laboratory                                                           | 199 270 \$          |
| Efficient Storage Systems for Real Time Edge Computing                                                         | 100 000 \$          |
| Facility for Advanced Manufacturing of Low-dimensional Materials-based Functional Structures                   | 209 899 \$          |
| In Vivo Mouse Models of Head and Neck Cancer to Elucidate Tumor Suppressors, Oncogenes and Therapeutic Targets | 120 000 \$          |
| Understanding and Constraining Cloud Feedbacks                                                                 | 93 075 \$           |
| Developing and Validating Biomarkers for Chronic Pain                                                          | 79 837 \$           |
| Targeting Bacterial Pathogenicity Determinants: Structure-based Approach to Study the Type-9 Secretion System  | 140 000 \$          |
| <b>21 projets / projects</b>                                                                                   | <b>4 113 322 \$</b> |

**Université de Montréal**

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|--------------------------------------------------------------------------------------------------------------------------|------------|
| Neuro-biomécanique des mouvements cycliques – BrainMOtion                                                                | 153 485 \$ |
| Transcending Borders : A Historical Demographic Infrastructure for the Study of French-Canadian Families in Motion       | 231 007 \$ |
| Infrastructure for Microbial Phenotypic Analysis Under Oxygen-controlled Conditions                                      | 133 554 \$ |
| Improving Immunotherapies by Harnessing the MARCH E3 Ubiquitin Ligase Family of Proteins                                 | 146 162 \$ |
| Streamlining on Demand Active Pharmaceutical Ingredients Manufacturing: A Sustainable Approach to Supply Canada's Market | 269 030 \$ |
| M. Tuberculosis Genome Sequencing – Innovative Methods for Rapid Diagnosis of Drug Resistance and Transmission Control   | 68 248 \$  |
| Ecosystem Function Across Scales: A Metaecosystem Perspective                                                            | 179 958 \$ |
| Developing Non Invasive Screening and Treatment Monitoring Tools for Children Presenting a Neurodevelopmental Disorder   | 210 268 \$ |
| Platform for Connected Health in Neurology-epilepsy                                                                      | 109 728 \$ |
| An Integrated Multi-omic Approach to Advance our Understanding of Neurological Diseases                                  | 86 000 \$  |
| Imaging and Spectroscopy Infrastructure to Support Innovative Parkinson's Disease Research                               | 338 003 \$ |
| Tools for Creating Crystalline Molecular Materials                                                                       | 237 895 \$ |

**... / Université de Montréal**

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|-----------------------------------------------------------------------|---------------------|
| Neuroplasticity for Aging Well                                        | 150 083 \$          |
| Neuroscience of Exploration                                           | 181 264 \$          |
| Live Bioimaging of Murine Cytomegalovirus Infections                  | 149 901 \$          |
| Wind Erosion Laser Doppler Anemometry Sampling System                 | 123 215 \$          |
| Zebrafish Platform for Cardiovascular and Developmental Therapeutics  | 149 901 \$          |
| Université de Montréal Dark Matter Direct Detection Group             | 143 944 \$          |
| Interactive Single-molecule Real-time Sequencing for Genomic Medicine | 149 901 \$          |
| * Laboratoire de muséologie numérique du Partenariat CIÉCO            | 103 485 \$          |
| <b>20 projets / projects</b>                                          | <b>3 315 032 \$</b> |

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**Université de Sherbrooke**

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|-----------------------------------------------------------------------------------------------------------------|-------------------|
| Beneficial Influence of Acute Exercise on Motor Learning: Exploring the Neurophysiological Bases                | 255 082 \$        |
| Plateforme intégrée d'innovations technologiques et d'application des connaissances en santé génétique (PI2TAC) | 320 100 \$        |
| Advanced Instrumental Approaches for Characterization of Dissolved Organic Matter                               | 168 211 \$        |
| Novel Hybrid Quantum Systems                                                                                    | 108 000 \$        |
| <b>4 projets / projects</b>                                                                                     | <b>851 393 \$</b> |

**Université du Québec - Institut national de la recherche scientifique**

|                                                                                          |                  |
|------------------------------------------------------------------------------------------|------------------|
| Infrastructure pour un laboratoire de biotechnologie environnementale et de chimie verte | 88 672 \$        |
| <b>1 projet / project</b>                                                                | <b>88 672 \$</b> |

**Université du Québec à Chicoutimi**

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|---------------------------------------------------------------------------------------------------------|-------------------|
| Fabrication and Surface Characterization of Micro-nanocomposite Materials for High-voltage Applications | 108 399 \$        |
| LabMaTer: Advanced LA-ICP-MS Facility for Innovative Research in Mineral and Fisheries Resources        | 128 234 \$        |
| <b>2 projets / projects</b>                                                                             | <b>236 633 \$</b> |

#### Université du Québec à Montréal

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|---------------------------------------------------------------------------------------------------------------------|-------------------|
| Infrastructure de la Chaire de recherche sur les violences sexistes et sexuelles en milieu d'enseignement supérieur | 100 470 \$        |
| HiRéSo : infrastructure en Histoire des Régulations Sociales                                                        | 103 598 \$        |
| <b>2 projets / projects</b>                                                                                         | <b>204 068 \$</b> |

#### Université du Québec à Rimouski

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|------------------------------------------------------------------------------------------------------------|-------------------|
| Analytical Instrumentation for Environmental Chemistry and Ecotoxicology Research in Emerging Contaminants | 213 333 \$        |
| <b>1 projet / project</b>                                                                                  | <b>213 333 \$</b> |

#### Université du Québec à Trois-Rivières

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|-------------------------------------------------------------------------------------------------------|-------------------|
| Analysing and Sorting Platform for Cell Specific Investigative Approaches in Multiple Research Fields | 287 238 \$        |
| Family Interactions Observational Research (FIOR) facilities                                          | 179 374 \$        |
| Lignin Based Fuel Cells                                                                               | 75 000 \$         |
| <b>3 projets / projects</b>                                                                           | <b>541 612 \$</b> |

#### Université du Québec en Abitibi-Témiscamingue

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|----------------------------------------|------------------|
| Enjeux relatifs aux femmes autochtones | 29 416 \$        |
| <b>1 projet / project</b>              | <b>29 416 \$</b> |

#### Université du Québec en Outaouais

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|------------------------------------------------------------------------------------------------------------------------|-------------------|
| Advanced Control Technique for Integration of Intermittent Renewable Energy into Remote Communities in Cold Conditions | 143 430 \$        |
| <b>1 projet / project</b>                                                                                              | <b>143 430 \$</b> |

#### Université Laval

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|--------------------------------------------------------------------------------------------------------------------|------------|
| Benthic Deep Sea Ecosystem Monitoring                                                                              | 281 645 \$ |
| Autonomic Pharmacology of Metabolic Diseases                                                                       | 174 095 \$ |
| Greeneering a Sustainable Future for Mining and Metal Production Through Zero Liquid Discharge Research            | 143 850 \$ |
| Optimisation of the Management of Low Back Pain                                                                    | 119 485 \$ |
| Making Animals Robust for Optimal Welfare on Tomorrow's Farms                                                      | 75 248 \$  |
| Predict to Prevent: Advanced Proteomics Profiling for Precision Medicine                                           | 144 474 \$ |
| Vitrine démocratique: Une plateforme favorisant le partage de données et d'analyse sur la citoyenneté démocratique | 71 273 \$  |

... / Université Laval

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|---------------------------------------------------------------------------------------------------------------------|---------------------|
| Base de données sur les clauses culturelles dans les accords de commerce                                            | 61 739 \$           |
| ALFRED: Advanced Laboratory for Fungal Resistance Evolutionary Dynamics                                             | 124 698 \$          |
| Développement de revêtements à faible impact environnemental fonctionnel et de matériaux de construction biosourcés | 79 690 \$           |
| Robotic Platform to Develop Behavioral Biomarkers in Children with Sensorimotor Dysfunctions                        | 120 000 \$          |
| The Determinants of Energy Homeostasis in Laboratory Rodents                                                        | 125 000 \$          |
| Laboratoire de biomarqueurs pour la recherche sur le trouble de stress post-traumatique                             | 172 249 \$          |
| Studying Brain Disorders using Induced Pluripotent Stem Cells and Cerebral Organoids                                | 90 000 \$           |
| Laboratoire de chronobiologie et biologie des systèmes des cellules individuelles                                   | 75 001 \$           |
| Cardiac Simulator Platform for Research and Innovation in the Treatment of Valvular Heart Disease                   | 100 000 \$          |
| Real-time Single-cell Imaging Solution for Improving Synthetic Lethality of PARP Inhibitors in Cancer Treatment     | 119 075 \$          |
| Infrastructure for Deciphering Intracellular Dynamics of Neural Stem Cells and Migrating Neuroblasts                | 140 000 \$          |
| <b>18 projets / projects</b>                                                                                        | <b>2 217 522 \$</b> |

**À NOTER :** Cette annonce comprend l'attribution d'une somme additionnelle de 3 759 422 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 \$3,759,422 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.