

**John R. Evans Leaders Fund
 Backgrounder**

Quebec

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$13,794,540 to support 72 infrastructure projects in the province.

Project Title	Maximum CFI Contribution
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Bishop's University

International Relations Electronic Briefing Books	\$13,782
1 project	\$13,782

Concordia University

Chemical Process Engineering in a Renewable Energy World	\$115,000
Quantitative High Resolution Imaging of Population Cerebrovascular Health	\$112,095
A Multi-sensor Platform for Hyper-resolution Understanding of Land-atmospheric Impacts of Manmade Reservoirs	\$100,000
The Listening Performance Lab and Repository	\$200,000
*Using Educational Technology to Develop Essential Educational Competencies in Sub-Saharan	\$100,000
5 projects	\$627,095

** Funding for Research Infrastructure Associated with SSHRC Research Support*

École Polytechnique de Montréal

*Infrastructure for the NSERC Multisectorial Industrial Research Chair in Coatings and Surface Engineering	250 000 \$
Boucle diphasique à pression contrôlée	250 000 \$
2 projects	500 000 \$

**Funding for Research Infrastructure Associated with a NSERC Industrial Chair*

HEC Montréal

Corporate Database of Participants for Longitudinal Behavioral Research	800 000 \$
1 project	800 000 \$

McGill University

Legal Mapping Database of Transnational Uses of International Labour Law	72 600 \$
Nanoscale Imaging Platform for Dynamic Analysis of Osmosensory Transduction in Living Cells	260 000 \$
Ba-ion Extraction for a Future Double-beta Decay Experiment	300 000 \$
Equipment for Neuro Imaging and Surgical Technologies (NIST) Laboratory	183 432 \$
Merged Infrastructure to Study the Multidimensional Aspects of Muscle Fatigue	206 993 \$
Compound-specific Isotope Analyses for Biogeochemistry and Paleoclimatology	247 289 \$
Infrastructure for a Sustainable Plant Biosystems Laboratory	105 791 \$
Innovative Functional Food Ingredients to Improve Canada's Well Being and Health: Sustainable Enzymatic Processes	339 944 \$
Translational Control: Understanding the Molecular and Cellular Mechanisms of Pain Hypersensitivity	166 000 \$
Center for Fault Friction Analysis	98 276 \$
Robotics in Unstructured Environments	60 000 \$
Soft Materials Processing and Testing Suite to Support the Development of Implantable Biotechnologies	609 230 \$
Microbial Glycomics	149 530 \$
Single-cell Analysis of Host Factors Involved in Human Papillomavirus Genome Replication	140 000 \$
MAPs and Microtubules	140 000 \$
Novel Technologies for Bedside Assessment and Interaction with Unresponsive Patients	96 470 \$
Opioid Misuse and Addiction among Patients with Chronic Pain: From Risk Factors to Treatment Interventions	40 000 \$
Optical and Electrophysiological Investigation of Neuronal Function	140 000 \$
An Inter-disciplinary Laboratory Examining the Computations, Psychology, and Psychophysiology of Human Decision-making	46 410 \$
Household Archaeology Laboratory	78 275 \$
Circuit Mechanisms Underling Action Selection	219 800 \$
Brain Mechanisms of Blood Sodium Detection in Health and Salt-sensitive Hypertension	147 200 \$
Mass Spectrometry Studies of Biosynthesis and Protein-Protein Interactions	347 000 \$
23 projects	4 194 240 \$

Université de Montréal

Infrastructure pour la caractérisation de biomatériaux multifonctionnels	126 888 \$
High Resolution Mass Spectrometry Platform for the Systematic Biochemical Analysis of Complex Biological Samples	484 874 \$
Infrastructure for Interdisciplinary Clinical Oral Health Research	262 703 \$

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Optogenetics and Time-lapse Imaging to Decipher Cell Coordination Mechanisms of Collective Cell Movements	359 253 \$
Multiscale Integrated Approach to Discover the Mechanisms Controlling Groundwater Discharge to Surface Waters	118 217 \$
Neurophysiologie des différences individuelles sur l'hostilité, la colère et l'agressivité dans la population générale	94 452 \$
In Search of New Therapies for Parkinson's Disease	100 000 \$
Detection and Characterization of Mineral Dust Aerosols	181 844 \$
Genomics of Endosymbiosis	124 884 \$
Plateforme d'étude et de recherche en relations interculturelles (PERRI)	156 055 \$
*Institutional Experimentation for Better Work	61 207 \$
Laboratoire de développement et d'expérimentation d'un système de gestion de la performance des soins infirmiers	189 488 \$
12 projects	2 259 865 \$

* Funding for Research Infrastructure Associated with SSHRC Research Support

Université de Sherbrooke

Laboratoire de Résonance Magnétique du Solide pour l'Analyse des Matériaux du Futur	500 000 \$
A Learning Health Research System to Bridge the Gap Between Primary and Specialized Care	259 929 \$
<i>In vivo</i> Studies of Autophagy: From the Model Organism to Human Organoids	372 960 \$
Research Infrastructure for the Rapid Development, Fabrication and Validation of Small Multimodal UAVs	95 000 \$
Équipement de salle blanche pour la fabrication de composants micro et nano-électroniques	110 000 \$
Lipid Metabolism During Aging and in Patients with Alzheimer's Disease	199 638 \$
Transcriptomic Profiling of Non-coding Nuclear Small RNAs	354 781 \$
Preventing Postoperative Cancer Metastasis through Regulation of Immune Cell Metabolism	299 904 \$
8 projects	2 192 212 \$

Université du Québec - École de technologie supérieure

Channel Emulator for 4G and 5G Wireless Communication Research	67 220 \$
Assemblage assisté par métrologie 3D	80 000 \$
2 project	147 220 \$

Université du Québec - Institut national de la recherche scientifique

Création du Laboratoire ouvert de géothermie	200 000 \$
1 project	200 000 \$

Université du Québec à Chicoutimi

Laboratoire d'intégration de données cliniques, omiques et environnementales appliquées à la recherche sur l'asthme	244 625 \$
1 project	244 625 \$

Université du Québec à Montréal

Laboratoire Paris XVIII	126 000 \$
A Discovery Platform for Uncovering Mechanisms of Development and Protection of Neural Circuits	134 987 \$
Establishing an Applied Spectroscopy Laboratory for Detailed Investigations of Rapid Chemical Reactions	134 800 \$
Laboratoire arts vivants et interdisciplinarité	140 000 \$
Laboratoire de recherche sur les usages du numérique en contexte (LUNEC)	140 000 \$
5 projects	675 787 \$

Université du Québec à Rimouski

Infrastructure for the Experimental Investigation of Marine Invertebrates' Evolution under Global Change	159 031 \$
1 project	159 031 \$

Université du Québec à Trois-Rivières

*L'intervention précoce : du dépistage à l'accès aux services spécialisés	133 759 \$
Research Laboratory for <i>in vivo</i> Regulation of Adult Stem Cells	125 189 \$
2 projects	258 948 \$

* Funding for Research Infrastructure Associated with SSHRC Research Support

Université Laval

Instruments for Arctic Viral Ecology Research	119 621 \$
State-of-the-art Synthetic Carbohydrate Chemistry Laboratory	179 999 \$
Gestion de précision de l'eau et du sol des Agrosystèmes	108 800 \$
Optical Phenotyping Laboratory to Identify New High-risk Biomarkers of Major Psychiatric Disorders : Phase 2	700 000 \$
Patient-oriented Practice-Based Research Unit for Optimal Practices in Critical Care Neurology and Trauma	109 590 \$

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Establishment of a Systematic Laboratory to Study Tropical and Arctic Symbiosis between Plant and Microbes	58 984 \$
A New Reliability Approach to Monitor the North Infrastructures by Accounting the Real Severe Environmental Conditions	125 000 \$
Connecting the Pluripotency Gene Network to Development and Disease	119 741 \$
8 projects	1 521 735 \$

NOTE:

As part of this announcement, an additional \$4,138,362 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.