

**Fonds des leaders / Leaders Opportunity Fund
Fiche d'information / Backgrounder**

Québec / Quebec

Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 14 259 360 \$ en vue d'appuyer 75 projets d'infrastructure. / The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$ 14,259,360 to support 75 infrastructure projects.

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

Infrastructure for Advanced Non-Intrusive Time Resolved Investigation of Cardiovascular Flows	\$108,052
1 project / projet	\$108,052

McGill University

A Multi-Disciplinary Initiative Using Mouse and Swine Models to Improve Reproductive Health in Women	99 442 \$
Bacterial Antibiotic Resistance in Swine Production	100 000 \$
Bionanofluidics Laboratory	316 492 \$
Chemical Biology Facility for the Simulation of Innate Immunity	311 403 \$
Control of Transcription by Histone Modification and Chromatin Assembly	139 397 \$
DNA Nanochemistry Facility	399 595 \$
Identification of Critical Targets in Melanoma and Lung Cancer Initiation and Progression	178 525 \$
Infrastructure for Genomics-Assisted Plant Molecular Breeding Laboratory	100 000 \$
Innovative Biocatalytic Approaches for the Synthesis of Novel Functional Ingredients and Nutraceuticals	100 655 \$
Laboratory Dedicated to Simultaneous Electro-EncephaloGraphy (EEG) / Near InfraRed Spectroscopy (NIRS) Data Acquisition	195 499 \$
Malnutrition and Metabolic Stress: Targeted Metabolomics Approaches Using Stable Isotope Kinetics in Piglets and Patients	308 000 \$



.../McGill University

Mass Spectrometer: Monitoring and Optimization of Environmental Factors for Fermentation	100 000 \$
McGill Systemic Autoimmune Rheumatic Diseases (SARD) Project	316 887 \$
Molecular Mechanisms of Neurodegeneration in Alzheimer Disease	234 770 \$
Moving Image Research Laboratory	391 046 \$
Networked Embedded Systems Laboratory	60 000 \$
Physical Therapy for Musculoskeletal Back Pain: Understanding the Biomechanical, Neuromuscular, and Clinical Effects of Conservative Treatment	80 900 \$
Role of Melatonin 1 (MT1) and Melatonin 2 (MT2) Receptors: New Targets for Drug Discovery	135 423 \$
The Role of the Peroxisome Proliferator Activated Receptor Gamma Coactivators (PGCs) in the Regulation of Cancer Metabolism	140 000 \$
Tools for Ultrafast Structural Dynamics at Atomic Resolution	203 356 \$
20 projets / projects	3 911 390 \$

Université de Montréal

Characterization of New Biomaterials and Microencapsulation	107 980 \$
Childhood Asthma Clinical Research Laboratory (CACRL) to Enhance the Evidence-Based Management of Childhood Asthma and Knowledge Translation into Clinical Practice	199 062 \$
Computational Biology and Statistical Genomics Laboratory	77 768 \$
Cystic Fibrosis: from the Basic Defect to the Bedside	398 199 \$
Discovery and Translational Research Program in Hormone-Regulated Cancers	399 961 \$
Establishment of Dr. B.H. Kwok's Laboratory at IRIC to Study Mitotic Spindle Assembly as it Relates to Cancer	127 999 \$
Establishment of a Multidisciplinary Laboratory for the Study of Reward-Directed Behaviour in Normal and Pathological Conditions	105 673 \$
In-Ear Real-Time Auditory Sensory Modification as a Tool for Basic Research into Human Sound Processing and Hearing Disorders	90 968 \$
Initial Infrastructure for Multidisciplinary Molecular Studies of Cell Division Using Drosophila in the New Laboratory of Dr. Vincent Archambault	99 988 \$
Laboratoire d'ethnomusicologie et d'organologie	163 076 \$
Laboratory Installation in Imaging Mass Spectrometry	399 592 \$



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Laboratory of Neurophysiology for Brain Development Research	165 195 \$
Mechanisms of Immunopathogenesis and Immune Evasion in HIV Infection	398 054 \$
Neurobiology of Pain Processing in Osteoarthritis	101 067 \$
Pathophysiology of Osteoarthritis: Role of PPARgamma in Cartilage Growth and Development, and in Osteoarthritis	100 293 \$
Plateforme d'imagerie des souris humanisées pour étude de l'immunopathologie de la greffe du sang de cordon	295 886 \$
Pulmonary Parenchymal Ultrasound Research Program - Innovative Diagnostic and Therapeutic Methods for Evaluating, Targeting and Treating Patients with Pulmonary Malignancy	128 979 \$
Vascular Calcium Dynamics and Electrophysiology	219 972 \$
18 projets / projects	3 579 712 \$

Université de Sherbrooke

Détection et bioélimination de substances perturbatrices du système endocrinien (SPSEs)	163 610 \$
High Speed Cell Sorter for Multiparametric Isolation of Specialized Lymphocyte Populations for Advanced Immunology Research Investigating Mechanisms that Govern Generation of Adaptive Immune Memory	241 279 \$
IBM-Power 6 Server for Large Scale Computation in Dynamic Molecular Imaging and Attosecond Science /Serveur IBM-Power 6 pour simulation à grande dimension en imagerie Dynamique et Science Attoseconde	112 525 \$
Laboratoire de biomécanique pour la prévention des troubles musculo-squelettiques	133 538 \$
MONITOREP ou MONitorage Intra Thoracique Optique de la REparation Pulmonaire in vivo	71 150 \$
Platform for Studying Virulence Factors in Anaerobic Pathogens and for the Development of Phage-Based Therapeutic Agents	80 276 \$
Système d'imagerie à fluorescence en temps réel pour la mesure de la concentration intracellulaire de calcium	77 373 \$
Versatile Dilution Refrigerator for Solid-State Quantum Information Processing/ Réfrigérateur à Dilution Polyvalent pour le Traitement Quantique de l'Information dans la Matière Condensée	240 185 \$
8 projets / projects	1 119 936 \$



Université du Québec – Institut national de la recherche scientifique

Laboratoire d'analyse des mécanismes d'assimilation et de détoxification des métaux chez les organismes d'eaux douces	294 978 \$
Laboratoire mobile de caractérisation physique, minéralogique et chimique des roches	300 925 \$
Laboratory of Ferroelectric Nanoelectronics	250 879 \$
Lifecourse Studies in Oral Health	127 602 \$
4 projets / projects	974 384 \$

Université du Québec – École de technologie supérieure

Ultra Electronics TCS Industrial Chair in High Performance Wireless Emergency and Tactical Communications	99 943 \$
1 projet / project	99 943 \$

Université du Québec à Montréal

Developmental Biology Unit for Studying Nervous System Development in Health and Disease	235 112 \$
Laboratory for Graphene Based Biosensors and Solar Cells	202 026 \$
2 projets / projects	437 138 \$

Université Laval

A Two-Photon Laser Scanning Confocal Microscope to Study Cellular Response to DNA Damage in Mammalian Cells and for Functional Proteomics Characterizations	241 788 \$
Biophotonics Laboratory for Quantitative Studies of Biological Machines	215 646 \$
Development of Immunotherapies for the Treatment of Urological Cancers	239 474 \$
Establishment of a Systems Biology Laboratory to Study the Organization and Evolution of Signaling Networks	249 188 \$
Ge@Design: un studio multimedia de design géospatial délibératif	26 668 \$
Imagerie intravitale du système nerveux lésé/malade par microscopie biphotonique	242 186 \$
Infections parodontales : modèle d'étude des interactions hôte-pathogènes	233 606 \$
Infrastructure d'analyse génomique fonctionnelle et populationnelle en foresterie	160 000 \$



.../Université Laval

Infrastructure pour l'étude de l'écologie des populations fauniques abondantes : Impacts des variations de la densité d'originaux et de l'intensité des coupes forestières sur les forêts	30 030 \$
Instrumentation for Molecular Histopathological Characterization of Genetically Modified Mouse Models	203 041 \$
Key Determinants of Type 2 Diabetes Prevention Among Women with a History of Gestational Diabetes Mellitus	82 082 \$
Laboratoire Cognition - Distribution, Organisation & Technologie (Co-DOT)	305 233 \$
Laboratoire audionumérique de recherche et de création (LARC)	318 169 \$
Laboratoire de confinement pour la manipulation d'agents pathogènes des végétaux	222 585 \$
Laboratoire de recherche en génétique de la maladie osseuse de Paget	124 873 \$
MicroRNAs in Neuronal Function and Survival: Relevance for Neurodegenerative Disorders	312 500 \$
PIANO (Portail intégré d'applications numériques pour ordinateur)	128 646 \$
Skeletal Muscle Microcirculation and Exercise-Induced Blood Redistribution in Chronic Cardio-Respiratory Diseases: Impact on Muscle Function and Exercise Tolerance	173 932 \$
Tau Protein in Neurobiology: Regulation and Deregulation in Vivo	128 776 \$
Understanding Cell Growth and Migration Related to Cancer Using 4D Real-Time Microscopy of Model Systems	178 561 \$
Équipement de caractérisation mécanique pour l'évaluation exhaustive de la compatibilité des matériaux de réparation et le développement de matériaux nouveaux	211 821 \$
21 projets / projects	4 028 805 \$