

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 5 995 640 \$ en vue d'appuyer 44 projets d'infrastructure dans la province. / The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$5,995,640 to support 44 infrastructure projects in the province.

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

Biomimetic Synthetic Grafts for Bone Regeneration	150 000 \$
Brain Control of Human Locomotion	110 000 \$
Electrochemical Energy Storage and Conversion	89 139 \$
Establishment of an Optogenetic and Electrophysiology Laboratory to Investigate the Neural Circuits Underlying Learning and Memory	120 000 \$
Flexible Operation for Low-Carbon Power Systems	59 951 \$
Fluid Experimental Petrology Laboratory (FlexPet)	149 186 \$
Immunity to Pulmonary Intracellular Pathogens	100 000 \$
Infrastructure for Research and Development of Engineering Microsystems for Biomedical Applications	90 000 \$
Microscopy Infrastructure for Stereological Analysis of Transgenic Mice Models of Genetic Neurodegenerative Diseases	89 643 \$
Molecular Characterization of the Effect of Environmental Factors on Bacterial Pathogens	99 411 \$
Molecular Mechanisms Regulating Skeletal Muscle Stem Cell Activity	60 000 \$
Outils technologiques pour une nouvelle pratique de la composition	80 000 \$
Real Time Location Systems: An Opportunity for Improving Operational Decisions in Acute Care	149 688 \$
Research Laboratory for Studying Fault Zone Hydrogeology and Groundwater-Surface Water Interactions	59 831 \$
X-Ray Diffraction (XRD) for Characterization of Minerals and Mixtures	116 400 \$
15 projets / projects	1 523 249 \$

Université Laval

Advanced Laboratory Techniques for Metabolomic Studies and for Composition/Structure Determination of Lipids/Polysaccharides in Foods and Natural Products	204 172 \$
An Infrastructure for Research in Quantitative Molecular Imaging: Getting the Most Out of PET and SPECT	122 649 \$
Development and Plasticity of Motor Control	135 999 \$
Dynamically Reconfigurable Cable-Driven Parallel Robot for Surface Inspection and Other Applications	129 726 \$
Les scanners laser en appui à la cartographie 3D pour une gestion durable des infrastructures	34 408 \$
Probing the Cellular Biology of the Malaria Parasite Plasmodium Falciparum Through High Resolution Fluorescence Microscopy	127 945 \$
The Neurobiology of Verbal Communication in Adulthood: From Behaviour to Brain Mechanisms	127 529 \$
7 projets / projects	882 428 \$

Université de Montréal

Adaptation de l'infrastructure du Laboratoire de cyberjustice à la justice mobile	187 005 \$
Immunoregulatory Networks and HIV Infection: An Integrated Approach to Understanding Defective HIV-Specific CD4 T Cell Help and Identifying New Targets for Therapeutic Interventions	200 012 \$
Infrastructure for Genetic Studies of Neurodevelopmental Psychiatric Disorders	100 845 \$
Intracellular Signaling and Regulation of Immune System Development, Activation, and Malignancy	240 224 \$
Laboratoire de Cyber Criminologie - LC2	88 468 \$
Past, Present and Future Changes in Northern Peatland Ecology, Hydrology and Carbon Cycling: Paleoecological Reconstructions and Modelling	40 589 \$
Research Infrastructure and Facilities in Physiology and Evolutionary Biology of Invertebrates	203 179 \$
Targeting Lipid Droplet Proteins for Attenuating Cardiac Steatosis in Diabetic Cardiomyopathy	98 701 \$
The Lipid Regulation of Ion Channels Laboratory	96 453 \$
9 projets / projects	1 255 476 \$

Université de Sherbrooke

Infrastructure for Optical Spectroscopy of Organic Materials Interfaced with Metals and Semiconductors and for Processing of Biological Cells	99 637 \$
Nuclear Magnetic Resonance for Study of Magnetism in Materials	48 000 \$
Proteomic Profiling of Colorectal Cancer: A Mass Spectrometer for the Study of the Cellular Response to DNA Damage in Colon Cancer	327 203 \$
3 projets / projects	474 840 \$

Université du Québec - Institut national de la recherche scientifique

Assembly of Microbiological and Analytical Infrastructure to Study Trace Gas Biogeochemical Processes in Soil	203 534 \$
Completion of a Functional Genomics Laboratory for Investigations in Sociomicrobiology	79 869 \$
Infrastructure for Genomics and Functional Analyses of Noncoding RNAs	163 027 \$
Investigating Intracellular Signaling Events in Rare Cell Populations of the Immune System	376 051 \$
Système aéroporté léger de télédétection hyperspectrale pour les applications environnementales	237 334 \$
5 projets / projects	1 059 815 \$

Université du Québec à Chicoutimi

Infrastructure pour une étude intégrée de la génétique, de l'épigénétique et de l'expression afin de mieux comprendre la pathogénèse de l'asthme	393 234 \$
1 projet / project	393 234 \$

Université du Québec à Montréal

Establishing a Laboratory to Study the Molecular Pharmacology and the Amyloidogenesis of Peptides	69 200 \$
Plateforme de recherche pour l'étude de la caractérisation de la force musculaire:un processus pluri-dimensionnel	197 398 \$
2 projets / projects	266 598 \$

Université du Québec à Rimouski

Calculateur haute performance pour la recherche en océanographie	54 000 \$
X-Ray Diffractometer - A Versatile Tool for the Mineralogical Study of Sediments	86 000 \$
2 projets / projects	140 000 \$