



Leaders Opportunity Fund / Fonds des leaders

Institution / Établissement	Projects Approved / Projets appuyés
Athabasca University	1
Brandon University	2
Cape Breton University	2
Carleton University	4
Concordia University	1
Dalhousie University	9
École Polytechnique de Montréal	6
HEC Montréal	1
Lakehead University	1
McGill University	11
McMaster University	8
Nova Scotia Agricultural College	3
Queen's University	5
Saint Mary's University	1
Simon Fraser University	3
St. Francis Xavier University	1
Université Laval	15
Université de Moncton	1
Université de Montréal	9
Université de Sherbrooke	3
Université du Québec à Montréal	7
Université du Québec à Rimouski	3
Université du Québec à Trois-Rivières	1
Université du Québec en Outaouais	1
Université du Québec – École nationale d'administration publique	1
Université du Québec – Institut national de la recherche scientifique	1
Université du Québec – Télé-université	1
Thompson Rivers University	2



Trent University	2
University of Alberta	23
University of British Columbia (The)	16
University of Calgary	8
University of Guelph	5
University of Lethbridge	2
University of Manitoba	8
University of New Brunswick	4
University of Ontario Institute of Technology	2
University of Ottawa / Université d'Ottawa	7
University of Prince Edward Island	2
University of Regina	2
University of Saskatchewan	11
University of Toronto	32
University of Victoria	1
University of Waterloo	4
University of Western Ontario (The)	6
University of Windsor	1
University of Winnipeg (The)	2
York University	3
Total Institutions / des établissements	48
	245

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

Alberta

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$9,653,818 to support 34 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 9 653 818 \$ en vue d'appuyer 34 projets d'infrastructure.

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

Open Social Mobile Systems for eLearning Research (OSMoSYS)	\$346,152
1 project / projet	\$346,152

University of Alberta

Electrophysiological Imaging and Photostimulation of Neuron-Glia Networks in Ex Vivo Neurological Disease Models	\$796,370
Mass Spectrometry for the Analysis of High Molecular Weight Protein Complexes	\$439,887
Small Animal PET/CT: An Innovative Preclinical Multimodality Molecular Imaging Platform for Translational Research	\$789,853
The Alberta Dialysis Databank (ADD)	\$623,645
A Scaleable Optical Sensor Network for Ecosystem Health	\$100,000
An Analysis Suite for Characterizing Smart Polymer/Nanoparticle Composites	\$76,903
An Aquatic Center for the Evaluation of the Effects of Water Quality on Fish Health	\$80,000
Analysis of the Role of Genetically Defined Interneurons in the Operation of the Locomotor and Respiratory CPGs	\$371,721
Cochlear Low-Frequency Electrical Responses	\$43,097

.../ **University of Alberta**

Facility for the Experimental Characterization of Metamaterial Imaging Devices, Radiating Structures, and Scattering Surfaces	\$240,000
Facility for the Fundamental Characterization and Application of Advanced Materials	\$128,000
Facility to Support the Bench-to-Bedside Development of Targeted Drugs and Drug Delivery Systems for Improved Therapeutic Performance	\$377,613
Infrastructure for Synthesis of Materials for Structural and Alternative Energy Applications	\$140,000
Infrastructure for Studying Both the Biophysics of Infectious Prion Oligomers and the Prion Disease Pathology they Induce	\$400,000
Ion Homeostasis - from Bench to Bedside	\$290,786
Laboratory for Assessing Biological Hazards in the Environment	\$286,640
Laboratory for Low-Temperature Quantum Nanoscience: Quantum Resonators and Quantum Nanofluidics	\$376,789
Mechanisms of Drug Free Radical Metabolite Toxicity	\$358,939
Microparticle Engineering Facility	\$200,000
Multiparametric Flow Cytometry System for the Development and Characterization of Environmental Biotechnology Remediation Strategies	\$125,000
Pyrogenic Ecosystems and Restoration Ecology Laboratory	\$242,601
State-of-the-Art Ultrasound Biomicroscope for the Evaluation of Myocardial & Vascular Function in Maternal, Fetal and Placental Disease in Small Animals	\$239,199
The Last Best West: The Alberta Land Settlement Infrastructure Project	\$393,802
23 projects / projets	\$7,120,845

University of Calgary

Establishment of a Molecular Parasitology Laboratory	\$204,932
Fluorometric Instrumentation for the Measurement of Sub-Cellular Microenvironments	\$260,374
Infrastructure for the Development of Novel Multifunctional Magnetic Nanomaterials	\$344,370
Laboratory for Photosciences (LFP)	\$163,582



.../ **University of Calgary**

Mechanotransduction in Cardio-Vascular Tissues: Role of Residual Stresses Explored by Real-Time in Situ Microscopy Coupled with Biomechanical Measurements	\$118,956
Molecular Characterization of Disease Mechanisms Involved in Genetically Determined Cardiomyopathies	\$246,868
Steroid Hormone Sample Preparation and Mass Spectrometry Laboratory	\$399,980
Translational Health Research Collaboratorium	\$175,391
8 projects / projets	\$1,914,453

University of Lethbridge

Electron Paramagnetic Resonance Spectroscopy Facility for Nanomaterials and Advanced Catalysis	\$174,476
The Brain in Action: A Research Facility for the Study of Sensory, Motor and Cognitive Integration in Healthy and Neurological Populations	\$97,892
2 projects / projets	\$272,368

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

British Columbia / Colombie-Britannique

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$3,512,081 to support 22 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 3 512 081 \$ en vue d'appuyer 22 projets d'infrastructure.

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

Infrastructure for Rare Isotope Production and Studies Through Spontaneous and Neutron-Induced Fission	\$60,000
Multiscale Thermofluidic Laboratory for Sustainable Energy Research	\$180,000
Neurospine Biomechanics Laboratory	\$120,000
3 projects / projets	\$360,000

Thompson Rivers University

Capillary Electrophoresis of Lantibiotics	\$44,000
Proteomics and Protein Purification: Isoelectric Focusing and Chromatography Systems for Biocatalyst Development	\$243,091
2 projects / projets	\$287,091

University of British Columbia (The)

Centre for Applied Neurogenetics (CAN)	\$800,000
Center for Microbiome and Inflammatory Disease Research: Protection Against Inflammatory Bowel Disease by Modulating the Intestinal Microbiome Through Diet and Innate Immune Responses	\$149,635
Centre for the Study of Services to Children and Families	\$89,218
FEBI: Facility for Environmental and Biological Imaging	\$237,434
Finding a Cure for Work-Related Repetitive Strain Injuries: A Translational Integrated Biology Approach	\$123,579



.../ **University of British Columbia (The)**

Flow Cytometry Platform for Analysis of Rare Blood Cells in Models of Human Disease	\$129,500
Integrated Surface Modification/Treatment and Characterization of Nanodevices	\$29,296
Laboratory for Study and Control of Molecule-Surface Scattering at Ultralow Temperatures with Ultrashort Laser Pulses	\$125,000
Modeling and Curating Interactions of Intrinsically Disordered Proteins	\$125,105
Preterm Neonatal Immunological Research Laboratory	\$125,000
Qualitative Data Analysis Lab for Policy Research	\$64,210
Rare Disease and Translational Laboratories	\$118,141
Research Laboratory for the Study of Consumer Behaviour: Investigating the Role of Consumer Creativity and Innovation in the Marketplace	\$96,951
Small Animal Imaging Platform in Urologic Cancers	\$125,000
The Facility for Neural Circuits and Behaviour: Structural, Functional, and Developmental Analysis of Taste and Feeding Circuits	\$125,000
X-Ray Micro-Tomography Facility for Novel In-situ and 3D Characterization of Advanced Materials	\$356,921
16 projects / projets	\$2,819,990

University of Victoria

British Columbia Centre for Mountain Biodiversity	\$45,000
1 project / projet	\$45,000

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

Manitoba

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$2,253,350 to support 12 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 2 253 350 \$ en vue d'appuyer 12 projets d'infrastructure.

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

Assessing the Dynamics of Infectious Disease: from Molecules to Environment	\$239,795
Biotechnology Research Laboratory	\$126,509
2 projects / projets	\$366,304

University of Manitoba

Establishment of an Integrated Laboratory to Study the Biology and Functions of Normal and Malignant Breast Stem cells	\$156,292
High-Throughput Molecular Genetics Facility	\$127,986
Medical Textile Surface Engineering Laboratory	\$145,536
Noble Gas Mass Spectrometry Laboratory for Dating Geological Samples	\$397,105
Preservation and Promotion of Northern Canadian Heritage Resources: A Non-Invasive/Non-Destructive Approach to Archaeological Research	\$194,877
Reproductive and Behavioural Ecology of Small Mammals in the Field and Laboratory	\$69,952
Stable Isotope Sample Preparation and Acquisition for Applications in Ecology and Conservation	\$81,199
Translational Research Center for Spinal Cord Injury Repair	\$159,851
8 projects / projets	\$1,332,798



University of Winnipeg (The)

PRIME: The Prairie Research Institute for Materials and Energy	\$398,396
Polarized Xenon Laboratory for Fundamental Physics	\$155,852
2 projects / projets	\$554,248

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

New Brunswick / Nouveau Brunswick

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$985,176 to support 5 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 985 176 \$ en vue d'appuyer 5 projets d'infrastructure.

Project Title / Titre du projet	Maximum CFI Contribution / Contribution maximale de la FCI
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Université de Moncton

Microscope à balayage électronique pour la recherche dans le domaine des matériaux nanoporeux: application à la maîtrise de l'énergie dans les habitations	195 132 \$
1 projet / project	195 132 \$

University of New Brunswick

Biomechanics Infrastructure for the New Human Performance Lab	\$136,518
Establishment of a Bacterial Gene Expression and Protein Function Laboratory	\$127,872
Laboratory Equipped for Inert Atmosphere Research in Applied and Fundamental Chemistry	\$156,930
New Brunswick Health Policy Laboratory	\$368,724
4 projects / projets	\$790,044

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

Nova Scotia / Nouvelle-Écosse

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$1,914,446 to support 16 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 1 914 446 \$ en vue d'appuyer 16 projets d'infrastructure.

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

Chiral Heterogeneous Materials for Asymmetric Organic Catalysis and Metal-Based Catalysis	\$168,800
UPLC-MS-MS/PAD: Liquid Chromatography Mass Spectrometry Instrumentation for Multidisciplinary Applications in Chemistry Research and Nutrition Science	\$316,450
2 projects / projets	\$485,250

Dalhousie University

A Biomechanical Investigation into the Pathomechanics and Surgical Treatment of Knee Osteoarthritis	\$122,075
Energy Storage Materials Laboratory	\$150,000
Examining the Mechanisms Regulating Neurogenesis and Patterning of the Nervous System	\$125,000
Functional Dissection of Locomotor Circuits in the Mouse Spinal Cord	\$124,987
Infrastructure for Research and Development of Glass Based Biomaterials	\$123,773
Low-Temperature Thermochronology Laboratory (Fission-Track and (U-Th-[Sm])/He Dating)	\$124,879
Powder Compaction Laboratory (PCLab)	\$97,990
Subcellular Lipidomics Instrumentation	\$118,975
UrbanSense: Infrastructure for an Urban-Scale Environmental Sensor Network	\$106,620
9 projects / projets	\$1,094,299



Nova Scotia Agricultural College

Development of an Innovative Nutrient Management Program	\$49,026
Energy Conservation and Renewable Energy Technology Research Program	\$47,070
Quantifying Transcript Levels of Target Genes Involved in Mediating Root-Microbe Interaction	\$19,397
3 projects / projets	\$115,493

Saint Mary's University

Development of Plasmonic Nanoarray Surfaces for Surface-Enhanced Raman Spectroscopy of Membrane Transport Phenomena	\$64,358
1 project / projet	\$64,358

St. Francis Xavier University

Evolution and Development Laboratory	\$155,046
1 project / projet	\$155,046

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

Ontario

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$16,002,492 to support 80 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 16 002 492 \$ en vue d'appuyer 80 projets d'infrastructure.

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

GPS-Based Spacecraft Formation Flying Testbed	\$92,400
Mass Spectrometric Instrumentation to Enable Novel Analyses of Polar Lipids from Complex Biological Samples	\$140,000
Renewable Bioactives from Cereal Byproducts and Fruit Leftovers/Wastes	\$148,378
Solar Energy Systems Laboratory	\$150,000
4 projects / projets	\$530,778

Lakehead University

Nanometer-Scale Investigations of Materials and Environmental Remediation Processes	\$312,292
1 project / projet	\$312,292

McMaster University

Macromolecular Crystallization and X-Ray Diffraction Facility	\$800,000
A Biomechanical Approach to Physical Activity Guidelines for Knee Osteoarthritis	\$172,520
Brain Metal Imaging Laboratory	\$120,000
Climate Impacts on Greenhouse Gas Emissions in Forested Landscape of Southern Ontario	\$155,147
Lentiviral-Mediated RNAi Technology and High-Content Screening to Systematically Analyze Programmed Cell Death in Cancer Cells	\$200,000

.../ McMaster University

Molecular Dissection of the Invasion Machinery Required for Entry into Human Red Blood Cells of the Malaria Parasite	\$308,099
Plant Growth and Molecular Profiling Facility	\$100,000
State-of-the-Art Measurement Systems to Transform the Health and Well-Being of Urban Neighbourhoods	\$207,423
8 projects / projets	\$2,063,189

Queen's University

Advanced Microstructure Characterization Lab	\$125,000
Bio-Mechatronics and Robotics Laboratory	\$150,000
Early Detection of Deterioration Mechanisms for Civil Infrastructure	\$130,000
Molecular Characterization of Proteins Critical to Xenobiotic Disposition and Cancer: Enhanced Detection and Quantitation	\$400,000
Socio-Economic Status, Social Networks, and Cardiovascular Disease	\$43,828
5 projects / projets	\$848,828

Trent University

Coupling Genetic Characterizations of Pathogens and Disease Vectors Towards Understanding Patterns of Wildlife Disease Maintenance and Spread	\$89,728
Discovering How Action Drives Perception and Cognition	\$79,719
2 projects / projets	\$169,447

University of Guelph

Field Data Acquisition, Integration and Communication Infrastructure for Studying Adaptation in Action	\$69,213
Laboratory for High-Resolution Macromolecular and Cellular Imaging	\$124,993
Laboratory for Integrated Study of the Mechanisms of Breast Cancer Invasion and Metastasis	\$121,232
Motion Platform for the Study of Postural Control Related to the Problem of Falls and Mobility	\$125,000
People in Motion: Historical Data Infrastructure for Longitudinal Research	\$374,821
5 projects / projets	\$815,259



University of Ontario Institute of Technology

Establishing the UOIT Security Testing Facility	\$32,392
The Effect of Altering Afferent Input From the Spine and Limbs on Central Sensorimotor Integration	\$49,066
2 Projects / Projets	\$81,458

University of Ottawa / Université d'Ottawa

Green Information and Communications Technology Networks Research	\$500,963
A Facility for the Generation, Maintenance and Preservation of Novel Genetic Mouse Models of Development and Disease	\$341,140
Analytical Instrumentation for Chemical and Metabolite Diversity: Ultra HPLC-Q-TOF-MS	\$211,325
Facility for Electrochemical Engineering of Advanced Energy Conversion Systems	\$87,249
Fluorescence Spectroscopy Tools for Nanocatalysis Studies	\$361,173
Laboratory of Comparative Fungal Genomics	\$105,249
The Protein Engineering and Computational Protein Design Laboratory	\$239,945
7 projects / projets	\$1,847,044

University of Toronto

Cardiac Imaging and Hemodynamic Core Facility for Translational Research	\$440,006
Development of Viral-Mediated Gene Therapies for Retinal Degeneration	\$797,199
Zebrafish Centre for Advanced Drug Discovery: A High Throughput Screening Platform Targeting Cardiovascular Diseases	\$794,217
Advanced Power Electronics and Smart Power IC Research Laboratory for Automotive, Industrial, Aerospace and Photovoltaic Energy Applications	\$100,000
Animal Models of Neurological and Psychiatric Disease	\$199,904
Biomolecule-Based Design of Imaging and Therapeutic Agents	\$399,029
Cognitive Enhancement in Patients with Schizophrenia Across the Lifespan: A Brain Stimulation Project	\$81,347
Compression, Transmission and Representation of 3D Video over Networks	\$99,984
Controlling the Fibrogenic Activity of Myofibroblasts as a Crucial Step in Successful Tissue Repair and Regeneration	\$125,548
Development of Animal Models for Influenza Virus Transmission and Pathophysiology	\$102,921
Dissecting Networks that Regulate Cancer Initiation and Progression	\$210,492

.../ **University of Toronto**

Experimental Ecology Laboratory for Research in Plant Evolution and the Origins of Ecological Function	\$87,283
Eye-Tracking Laboratory for the Study of Language in Conversation	\$21,992
Infrastructure for Macromolecular Crystallography	\$180,000
Infrastructure to Study Synaptic Plasticity and Behavior in Drosophila	\$268,605
Integrated Field- and Laboratory-Based Geomorphic and Geologic Mapping Facility for the Study of Active Faults and Landscape Evolution	\$64,096
Integrated Plant-Soil Analytical Laboratory and Experimentation Facility to Link Ecophysiology and Biogeochemistry in Agroecology	\$99,868
Laboratory for Architecture Intelligence Research (LAIR)	\$100,000
Laboratory for Phototherapeutics in Oral Diseases (L-POD)	\$114,245
Laboratory for the Development of Optoelectronic Polymers and Nanomaterials	\$400,000
Local Indicators Database for Economic Analysis (Local IDEAs)	\$160,000
Manufacture of Metallic Cellular Structures	\$80,000
Molecular Manipulation and Imaging Facility for the Study of mRNA	\$153,861
Nerve Research Centre at the Hospital for Sick Children in Toronto	\$213,368
Network Organizations Underlying Long-Term Memory	\$200,000
Pathogenic Bacterial Membrane Protein Purification and Crystallization Facility	\$74,390
Remote Sensing and Spatial Ecosystem Modelling Laboratory	\$161,181
Research Facility for Global Change Molecular Physiology of Trees	\$198,924
Targeting Receptor-Receptor Interaction for Development of Novel Therapeutics to Treat Neuropsychiatric Diseases	\$258,111
The Organization of Verbal Memory in the Human Brain	\$61,618
The Supreme Court of Canada Database, 1875-2010	\$27,374
Transcriptional and Post-Transcriptional Regulation of Endothelial Specification and Vascular Development	\$171,825
32 projects / projets	\$6,447,388



University of Waterloo

Angle Resolved Inverse Photoemission Spectroscopy in Strongly Correlated Electron Systems	\$140,000
Flow Cytometry Suite for Biomaterials and Bioengineering Research	\$60,000
Functional DNA and Lipid Bionanotechnology	\$124,980
The MicroTile Interactivity Project	\$40,000
4 projects / projets	\$364,980

University of Western Ontario (The)

Facility for Advanced Biomedical Device Design and Fabrication	\$605,623
Applied Biotechnology Laboratory	\$299,474
Computational Geophysics Laboratory at Western	\$139,946
Laboratory for Neural Circuits and Cognitive Control	\$318,272
Salivary Proteomics Research Laboratory	\$212,059
Somatic Stem Cell Selection Laboratory for the Regeneration of Beta Cell and Vascular Function	\$272,955
6 projects / projets	\$1,848,329

University of Windsor

Innovation Design Studio and Transformable Manufacturing System	\$398,811
1 project / projet	\$398,811

York University

Acquisition of an Infrastructure to Study Muscle Microcirculation in Health and Diseases	\$79,260
Cellular and Molecular Neuroendocrinology Laboratory	\$94,652
Developmental Cognitive Neuroscience Laboratory for Theoretical and Applied Neuroeducation Research	\$100,777
3 projects / projets	\$274,689

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

Prince Edward Island

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$666,280 to support 2 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 666 280 \$ en vue d'appuyer 2 projets d'infrastructure.

Project Title / Titre du projet	Maximum CFI Contribution / Contribution maximale de la FCI
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University of Prince Edward Island

Orbitrap Mass Spectrometer	\$634,223
Laboratory for Evolutionary and Ecological Genetics	\$32,057
2 projects / projets	\$666,280

**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 10 990 883 \$ en vue d'appuyer 61 projets d'infrastructure. / The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$10,990,883 to support 61 infrastructure projects.

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

Live Imaging Station for In Vivo Studies Using Model Organisms and Cultured Mammalian Cells	\$199,656
1 project / projet	\$199,656

École Polytechnique de Montréal

Advanced Multilayer Films for High Performance Flexible Packaging	200 000 \$
Architectures and Methodologies for the Design and Implementation of Application-Specific Processors for Real-Time Minimally Invasive Spinal Surgery Assistance	114 482 \$
Key Infrastructure for Scanning, Analyzing and Manipulating 3D Visual Data	125 000 \$
Laboratoire VESI (Very Efficient System Implementation)	274 189 \$
Laboratory for Advanced Control of Microsystems	184 405 \$
Versatile Semi-Virtual Test Facility for Hydronic Heating and Cooling Equipment	148 406 \$
6 projets / projects	1 046 482 \$

HEC Montréal

Tech ³ Lab	243 829 \$
1 projet / project	243 829 \$



McGill University

A State-of-the-Art Isotope Ratio Mass Spectrometry System for the Acquisition of High-Precision Paleoenvironmental Data	160 000 \$
An Integral Transportation Safety Laboratory for Sustainable Urban Mobility	80 000 \$
Bio-Inorganic Interface Laboratory	170 260 \$
Characterising Mechanisms of Brain Cancer Invasion	140 000 \$
Infrastructure for Wireless Network Communications Research	120 000 \$
Inverse Gas Chromatography for the Analysis of Mineral Surfaces	80 000 \$
Laboratory for Advanced Remote Sensing, Spatial Analysis, and 3D Visualization of Environmental Change	100 000 \$
Optogenetics Probing of the Neural Circuits Controlling Sleep and Wakefulness	140 000 \$
Quantitative Earth Surface Processes Research Center: Cosmogenic Radionuclide and Surface Processes Imaging Laboratories	72 000 \$
Regulation of Inflammatory and Adaptive Immune Responses Upon Innate Immune Recognition of Pathogens	100 000 \$
Tools for Innovation in Minimally Invasive Biomaterials (TIMIB)	400 000 \$
11 projets / projects	1 562 260 \$

Université Laval

Physical Human/Robot Cooperation Research Laboratory	800 000 \$
*Laboratoire en irrigation de précision	243 533 \$
Banc d'essai pour la simulation, la commande et l'optimisation de procédés industriels	83 948 \$
Condition physique et sommeil chez la femme enceinte: mesure des effets sur la croissance fœtale	122 086 \$
Genetic, Molecular and Phenotypic Database for Neurobioinformatics: Toward Personalized Medicine in Neuroscience	127 967 \$
IGALAK. Outil intégré de veille stratégique (récolte/filtrage/stockage) de la présence, de la visibilité, de l'image et de l'e-réputation des peuples autochtones des régions circumpolaires	212 713 \$
Imaging Infrastructure for Diabetes Research	125 000 \$
Infrastructure pour l'identification et la quantification ultrasensibles de biomarqueurs	125 000 \$
Laboratoire pour une approche intégrative en microgéoarchéologie	59 830 \$
Laboratoire de métrologie optique et d'assemblage de précision pour systèmes optiques avancés	169 004 \$



.../ **Université Laval**

Muscle Atrophy Initiation and Development: from the Cell to Human	120 383 \$
Nextgen Sequencing for Monitoring Genomic Health and Disease States	380 000 \$
Rôles des médiateurs lipidiques dérivés de l'acide arachidonique dans la régulation de l'inflammation	128 602 \$
Santé de la vision : de la molécule au patient	239 263 \$
Établissement d'un laboratoire de pointe en chimie médicinale et biologique pour l'étude des interactions protéine-protéine d'intérêts thérapeutiques	118 381 \$
15 projets / projects	3 055 710 \$

* *Financement de l'infrastructure liée à une Chaire industrielle du CRSNG*
Funding for Research Infrastructure Associated with a NSERC Industrial Chair

Université de Montréal

An Integrated Proteomic Laboratory for High Throughput Protein Expression, Purification, and Protein Interaction for Use in Signal Transduction and Proteomic Studies in Plants and Protists	235 379 \$
Biomarkers of Stress and Allostatic Load and Association with Mental Health in Humans	81 051 \$
Dissecting the Kinetics and Mechanisms of Gene Expression Processes Using Single Cell and Single Molecule Resolution Live Cell Imaging	182 000 \$
Functional Characterization of Matrix Molecules in Calcified Tissues and of Nanostructured Biomaterials	182 156 \$
Geocryosphere	240 247 \$
Interrogating the Genomic and Environmental Control Points of Obesity	249 817 \$
Measurement, Modeling and Computer Simulation for Pediatric Rehabilitation / Mesure, modélisation et simulation numérique pour la réadaptation pédiatrique	267 208 \$
Platform of Histology & Immunohistochemistry Applied to Vascular Diseases - Phase II	105 057 \$
Set up for Non Invasive Recording of Behavioural, Neurophysiological and Psychophysiological Activity of Developing Infants	122 970 \$
9 projets / projects	1 665 885 \$

Université de Sherbrooke

A 3 Tesla MRI Scanner for Fundamental and Clinical Research in Oncology, Brain Function and Brain Connectivity	800 000 \$
Cutting-Edge Equipment for Diffusion Magnetic Resonance Imaging (dMRI) Acquisition, Reconstruction, Analysis and Visualization	42 348 \$



.../ **Université de Sherbrooke**

Développement de nouveaux procédés combinés biologiques/physicochimiques pour l'élimination de polluants organiques en milieux aqueux	82 506 \$
3 projets / projects	924 854 \$

Université du Québec à Montréal

Exo-Imaging: a Novel Clinical Tool for the Management of Patients with Parkinson's Disease and Other Movement Disorders	146 001 \$
Laboratoire d'analyse multidimensionnelle de l'activité conflictuelle en milieu urbain et de la métropolisation (LAMACM)	92 383 \$
Laboratoire d'études de la représentation et de la régulation politiques	195 912 \$
Laboratory for the Study of Physical Activity, Metabolic Health, Cognition and Aging: A Global Approach	213 686 \$
Plant Protein Function Analyses Infrastructure	111 487 \$
Plateforme d'imagerie cellulaire	309 889 \$
QUiLLE: Structure and Seismicity of the Eastern Canadian Shield; Broadband Seismology in Quebec and Labrador	194 064 \$
7 projets / projects	1 263 422 \$

Université du Québec à Rimouski

Flexibilité comportementale et démographique des grands mammifères à l'anthropisation des écosystèmes boréaux terrestres	76 952 \$
Infrastructure pour l'étude de la flexibilité phénotypique et les stratégies d'adaptation physiologique chez les oiseaux non-migrateurs vivant en milieux nordiques	149 998 \$
Robotic Underwater Surveys in the Canadian Arctic (RUSCA)	64 627 \$
3 projets / projects	291 577 \$

Université du Québec à Trois-Rivières

Laboratoire de fractionnement réactif de matériaux lignocellulosiques pour l'obtention de biocarburants de 2e génération et autres produits à valeur ajoutée	234 701 \$
1 projet / project	234 701 \$



Université du Québec en Outaouais

Segmentation d'images et analyse de mouvement en vidéo: approches par sélection de caractéristiques et applications	62 610 \$
1 projet / project	62 610 \$

Université du Québec – École nationale d'administration publique

Laboratoire de traitement et d'analyse de données sur l'évaluation des actions publiques à l'égard des jeunes	65 333 \$
1 projet / project	65 333 \$

Université du Québec – Institut national de la recherche scientifique

Bioprocessing And Nano-Enzyme Formulation Facility (BANEFF)	192 843 \$
1 projet / project	192 843 \$

Université du Québec – Télé-université

Cloud Computing Communautaire pour la recherche appelé Nomade	181 721 \$
1 projet / project	181 721 \$

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

Saskatchewan

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$1,147,779 to support 13 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 1 147 779 \$ en vue d'appuyer 13 projets d'infrastructure.

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

Integrated Dynamic Short-Range Positioning Systems, (I-DSRP) Systems	\$68,500
Interactive Media, Poetics, Aesthetics, Cognition, and Technology Lab	\$69,937
2 projects / projets	\$138,437

University of Saskatchewan

Bio-Manufacturing Laboratory	\$130,676
Biochemical and Molecular Immunology Research Laboratory	\$72,485
Brewster Angle Microscope for Surfactant Science Research	\$54,292
Experimental Mobile Robotic Research in Agriculture	\$44,965
Exploring Gut Function: An Innovative Approach to Understand Absorptive, Metabolic, and Barrier Functions of Gut Tissue	\$67,507
Fluorescence Activated Cell Sorting for Development of Nanoparticulate Drug Delivery Systems	\$90,421
High Performance Ion Chromatography Support for Non-Traditional Stable Isotope Research	\$59,067
High-Resolution Ultrasonographic Imaging of Female Reproductive Function	\$96,352
Loading System for Large Scale Testing of Reinforced Masonry Components	\$109,179
Materials and Microstructure Design for Enhanced Performance Under Dynamic Shock Loading	\$41,260
The Effects of Stressful Environments on Plant Growth and Development	\$243,138
11 projects / projets	\$1,009,342