

## 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 \$5,092,070 to support 42 infrastructure projects. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 5 092 070 \$ en vue d'appuyer 42 projets d'infrastructure.

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

Fluorescence-Based Approaches to Studying Cardiac Ion Channel Function in Health and Cardiovascular Disease	\$150,000
Molecular Virology Laboratory	\$75,000
Molecular and Cell Biology Laboratory	\$75,000
Specialized Infrastructure for a New Pharmacogenomics, Bioinformatics and Drug Discovery Laboratory	\$280,000
The Simon Fraser University Clover-Type Germanium Detector for Use at the Focal Plane of EMMA at TRIUMF-ISAC II	\$125,000
<b>5 projects / projets</b>	<b>\$705,000</b>

### **University of British Columbia (The)**

A New Interdisciplinary Laboratory for Translational Research in Pain Control and Anesthesiology	\$160,221
A Spectroscopy System for Measuring Isotopic Carbon-Dioxide Fluxes in the Urban Atmosphere	\$76,009
Air Pollution Exposure Laboratory for Research in Cardiopulmonary Disease	\$210,065
Biophotonics Laboratory for Developing Optical Imaging Systems for Biomedical Applications	\$125 000

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

Center for 3D Characterization of Micro/nano-Scale Dynamics	\$161,767
Clean Fuels by Novel Thermochemical Processing of Biomass	\$80,953
Computing Laboratory for High Throughput Statistical Genomics	\$25,000
Facility for Research on Disorders of Appetitive Motivation	\$177,245
Facility for the Study of East African Savannas (FSEAS): Human Disturbance, Landscape Change, and Wildlife Conservation in Rangeland Ecosystems	\$125,000
Flexible Computing Platform for Low-Level Experimentation in Computer Systems	\$95,000
Global Change Assessment Laboratory (GCAL)	\$130,000
Helium Liquefier System	\$158,924
Hypoxia, Metabolic Exercise and Environmental Research Room	\$66,579
Improving the Welfare of Dairy Cattle: Monitoring Behaviour Using Digital Video	\$31,945
Instrumentation for Vadose Zone Gas Analyses	\$31,068
Investigating Impulsivity and Cognitive Function in Rats Through the Novel Integration of Neural, Neurochemical and Molecular Techniques	\$125,000
Laboratory for Wood Cell Wall Characterization	\$65,053
Learning Sciences and Technologies Research Lab	\$79,957
Lightweight Manipulator for Human-Robot Interaction	\$71,847
Mountain Channel Hydraulic Experimental Laboratory	\$250,000
Numerical Weather Prediction Using Evolutionary Computation	\$31,386
Optical Switching Technologies for Photonic Processing and Communications	\$267,086
Optical, Rheological and Computing Equipment for Studying Selective Withdrawal of Polymeric Liquids	\$16,000
Plant Growth Chambers for Research on Plant-Microbe Interactions	\$62,120
Production and Study of Ultra-Cold Polar Molecules from Laser-Cooled Atoms	\$70,361
Social Disparities in Neurobiological and Epigenetic Vulnerability Among British Columbia Children	\$141,692
The Advanced Actuator Research Lab: A Facility to Design High Performance Mechatronic Drives	\$126,634

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

The ECALab - Environmental Chlorine Assessment Laboratory: Studying the Natural Chlorine Cycle, Relation to Other Biogeochemical Cycles, Ecological Role, Environmental and Eco-Toxicological Impact	\$196,000
The Laboratory of Sodium Channel Biology	\$125,000
The Signals Laboratory at University of British Columbia Okanagan	\$56,196
The Facility for Translational Neuroparmacology: Bridging the Gap Between Clinical and Basic Research	\$113,698
<b>31 projects / projets</b>	<b>\$3,452,806</b>

**University of Victoria**

Functional Genomics of Plant Natural Products Laboratory	\$150,000
Laboratory for Advanced Multi-Scale Manufacturing (LMM)	\$120,000
Laboratory for Spin Transport and Dynamics in Molecules and Nanostructures	\$259,262
Laboratory for the Synthesis and Biological Evaluation of Novel Modulators of Protein-Protein Interactions	\$150,000
Neuroscience Laboratory to Examine Nicotinic Neurotransmission	\$150,002
Sustainable Systems Design Laboratory	\$105,000
<b>6 projects / projets</b>	<b>\$934,264</b>