

**John R. Evans Leaders Fund / Fonds des leaders John-R.-Evans  
 Backgrounder / Fiche d'information**

**British Columbia / Colombie-Britannique**

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$15,247,883 to support 68 infrastructure projects in the province. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 15 247 883 \$ en vue d'appuyer 68 projets d'infrastructure dans la province.

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

Shaping the Future of Non-destructive Analysis of Biologically- and Culturally-sensitive Human Skeletal Remains	\$52,000
Digital Democracies Laboratory	\$300,000
Mathematics, Genomics and Prediction in Infection and Evolution (MAGPIE) Laboratory	\$200,000
Sustainable Energy Engineering Smart Grid Test Bed	\$100,000
Laboratory for Scanning Electron Microscopy Coupled with an Energy Dispersive Spectrometer in Archaeology	\$86,000
A Comprehensive Experimental Laboratory for Hematology and Stem Cell Research	\$100,000
Infrastructure for Characterization of Next-generation Micro-/Nano- systems and Advanced Materials	\$128,000
Artificial Intelligence Engineering and Visualization Laboratory	\$200,000
Human-centred Autonomous Agents through Data Collection and Generation Augmentation	\$300,000
Single-molecule Microscopy Instrumentation for Force Spectroscopy and Super-resolution Imaging	\$230,000
Next-generation Smart Building	\$192,779
Liquid Chromatography Mass Spectrometry for Substances of Emerging Concern	\$76,000
An Experimental Suite for Exploring Mechanisms, Biological Roles, and Evolution of Genome-mutating Enzymes	\$199,948
SQUID Magnetometer to Enable the Exploratory Synthesis of Quantum Materials	\$400,000
Novel Wearable Technologies in Support of Active Aging and Mobility Health	\$120,000
Mechanics of Human Injury Test Lab	\$125,000
Interactive Learning of Language in 3D Environments	\$100,000
<b>17 projects / projets</b>	<b>\$2,909,727</b>

**Thompson Rivers University**

Multidisciplinary Microanalysis and Micro-imaging Lab	\$234,990
A Mobil Brain Imaging Laboratory (MoBIL) to Link Brain and Behaviour in Development, Aging and Disease	\$115,095
<b>2 projects / projets</b>	<b>\$350,085</b>

**University of British Columbia (The)**

Establishment of the Mucin Glycobiology Laboratory at UBC	\$154,000
Biodiversity in a Changing World: Linking Theory and Experiments Across Scales	\$125,000
BioFactorial: Enabling High-throughput Applications for Systems Biology and Enzyme Discovery	\$175,000
Infrastructure for Developing Pharmacologic Approaches to Modulating Fibrinolysis and Controlling Bleeding Disorders	\$78,000
Stem Cell and Genome Editing Lab	\$439,603
Community Hub for Arts-based Research and Innovation in Knowledge Translation	\$77,352
Exploring Mitochondria Function as Therapeutic Target in Acute Myeloid Leukemia and Multiple Myeloma	\$125,000
Electron Microscope for Imaging Soft Materials	\$800,000
Predicting Impacts of Cumulative Threats to Inform Conservation Decisions Under Global Change	\$125,000
Exercise, Nutrition and Muscle Metabolism Laboratory	\$125,000
Hapscreen-RD: A Platform for Large-scale Screening of Human Haploid Cells for Rare Disease Research	\$777,128
Innovation in Mobility and Balance Rehabilitation	\$125,000
Centre for Community Engaged Documentation and Research	\$277,477
Microbial Biosynthesis of Natural Products	\$168,000
Facilities for the Geospatial Ecology of Landscapes Laboratory	\$125,000
Establishing an Ancient DNA and Protein (ADaPT) Facility at UBC	\$125,000
Cryo-EM of Metabolic Enzymes for Drug Discovery	\$800,000
High-performance Atomic Force Microscopy to Elucidate Structure-property Relationships in Nanocellulose Materials	\$240,000
Single Molecule Force Spectroscopy to Study Food Proteins and Enzymes	\$125,000
Nanospectroscopy Laboratory for Polaritonic Materials Discovery	\$800,000
High Resolution Automated Mineralogy for Carbon Mineralization	\$800,000
Center for Transportation and Land Use Research (CeTLUR)	\$106,729
Infrastructure to Advance Extracellular Vesicle Biology & Technology	\$800,000
Integrated Greenhouse Gas Research and Observations in Wetlands (iGROW)	\$125,000

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

The Neurobiology and Genetics of Taste in Disease-vectoring Mosquitoes	\$192,850
The Stroke Management and eHealth Innovation Laboratory	\$85,534
The Origins of Patterns in Speech Lab	\$116,900
Solution-processed Thin Film Semiconductors for Photovoltaic and Photoelectrochemical Applications	\$160,000
Reactor for Atmospheric Chemical Transformations (ReACTr) to Track the Fate of Outdoor and Indoor Air Molecules	\$191,000
Deciphering DNA-encoded Gene-regulatory Logic with Genome-scale Synthetic DNA	\$125,000
Complex Human-based Organ (Disease) Models for Basic and Preclinical Research with a Focus on Human Epithelia	\$101,408
Working to Restore Connectivity and Sustainability (WoRCS) research program	\$400,000
Enabling Gravitational Wave Astrophysics with Calibration, Monitoring, and Characterization of the LIGO Detectors	\$220,000
(Re)Media Interdisciplinary Research Infrastructure and Program	\$122,165
Laboratory for Human-animal Interaction and Companion Animal Welfare	\$125,300
Plant-pollinator and Global Change Lab	\$123,454
Field and Laboratory Characterization of the Climate and Landscape Response to Surface Elevation Change	\$125,000
VELOCITY: Bringing the Benefits of VLSI to System Software	\$453,594
Investigating How Mitochondrial Stress Signaling Maintains Organelle Homeostasis in Health and Disease	\$125,000
Investigating the Neurophysiological Effects and Accumulation of Subconcussive Sports Head Impacts	\$125,000
*Ensuring Full Literacy in a Multicultural and Digital World	\$199,969
<b>41 projects / projets</b>	<b>\$10,610,463</b>

*\* Funding for Research Infrastructure Associated with SSHRC Research Support  
 Financement de l'infrastructure liée au soutien à la recherche du CRSH*

**University of Northern British Columbia**

Infrastructure for Research on Thermal Ecology in the Freshwater Fish Ecology Laboratory at UNBC	\$199,630
<b>1 project / projet</b>	<b>\$199,630</b>

**University of Victoria**

Transforming Forest Modelling for Climate Change Adaptation	\$75,002
A Multimodal Exploration of Mitochondrial Function in Eukaryotic Microbes	\$290,000
Facility for Orthopaedic Technologies & Biomechanics Research	\$115,000
Low-temperature Thermochronology Laboratory for Tectonic and Landscape Evolution Research	\$160,000
<b>4 projects / projets</b>	<b>\$640,002</b>

**Vancouver Island University**

High Resolution Mass Spectrometry for Direct Bio-analytical and Environmental Diagnostics	\$243,691
Macroanalysis/Big Data Machine Reading Tools and Microanalysis/Digital Text Analysis Tools for Open Access Research	\$74,950
Canada's Marine Life is in Hot Water: Laboratory for Investigating Heatwaves and Aquatic Animal Health	\$219,335
<b>3 projects / projets</b>	<b>\$537,976</b>

**NOTE:**

As part of this announcement, an additional \$4,574,365 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.

**À NOTER :**

Cette annonce comprend l'attribution d'une somme additionnelle de 4 574 365 dollars du Fonds d'exploitation des infrastructures. Les établissements utilisent ces montants pour assumer une partie des coûts d'exploitation et de maintenance de la nouvelle infrastructure.