

**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

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| 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 |
| 17 projects / projets | \$2,909,727 |

Thompson Rivers University

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| 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 |
| 2 projects / projets | \$350,085 |

University of British Columbia (The)

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| 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)

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| 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 |
| 41 projects / projets | \$10,610,463 |

** 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

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

University of Victoria

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| 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 |
| 4 projects / projets | \$640,002 |

Vancouver Island University

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| 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 |
| 3 projects / projets | \$537,976 |

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.