

John R. Evans Leaders Fund Backgrounder

British Columbia

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$9,011,704 to support 51 infrastructure projects in the province.

Project Title	Maximum CFI Contribution
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Simon Fraser University

The Family Foundations Lab: Leveraging Digital Tools to Innovate Accessible and Affordable Family-centered Mental Health	\$90,000
Next-generation Battery Systems: Hybrid Sensing and AI for Real-time Digital Twins	\$100,000
Genomics and Lipidomics Workstation for the Marine Ecotoxicology Laboratory	\$150,000
Cryogenic Colour Centre Quantum Control Apparatus	\$100,000
Quantum Communication Node Facility	\$506,000
Harnessing Metal Coordination Chemistry to Design Coordination Polymer and Phthalocyanine Advanced Materials	\$259,743
Extreme Weather under Global Warming: From Physical Mechanism to Societal Impact	\$80,000
Boreal Wildfire and Combustion Analysis Hub	\$100,000
Silicate–salt Liquid Immiscibility and its Role in Critical Metal Enrichment	\$150,000
Building Canada's First Integrated Platform to Study Opioid and Gambling Addiction Across Brain Circuits, Cells, and Sex	\$140,000
Low-Carbon Building Materials Research and Development for Net-Zero Buildings	\$100,000
Culture and Child Health Lab: Creating a Culturally Responsive Pathway for Child Health Equity	\$90,000
12 projects	\$1,865,743

Thompson Rivers University

A Multimodal Approach to Cognitive Aging: from mechanisms to interventions	\$226,796
1 project	\$226,796

University of British Columbia (The)

Highly Multiplexed Imaging for Cell-type-specific Brain Research	\$325,000
Snow Water Resources Laboratory	\$150,000
Infrastructure for Global Internet Measurement Observatory	\$143,853
Bridging Action and Perception: Multimodal investigation of brain-behaviour interactions during goal-directed actions	\$150,000

The Muscle, Aging, (In)activity and Nutrition (MAIN) Laboratory	\$150,000
Capturing High-latitude Landscape Responses to Climate Change	\$320,844
Family Planning Innovation	\$164,000
Improving Software Security through Verified, Side-channel Aware, Security Focused Abstractions on Modern Hardware	\$150,000
From the Seismic Cycle to the Carbon Cycle: Microstructural & Mineralogical Study of Faulting and CO2 Sequestration	\$150,000
Pediatric Precision Health Initiative	\$75,001
Reliable and Secure AC/DC Converter Stations	\$135,421
Towards Absolute Sustainability in Descriptor-based Materials Design for Heterogeneous Catalytic Systems	\$128,000
Multi-laser Materials Processing Platform (MLMPP)	\$168,402
Understanding Progressive Multiple Sclerosis Pathology using Fast Super-resolution Microscopy and Live Cell Imaging	\$252,000
Liquid Helium Cryogenic Electron Microscopy of Quantum Matter	\$640,000
The Situated Computing Lab	\$120,000
Establishment of the ARS2-Nexus Lab for Studying the Interface of RNA Processing and Decay	\$120,000
Laboratory of Emotional Brain Dynamics	\$120,000
The Relationships and Health Lab: Investigating how relationships “get under the skin” to influence health and longevity	\$120,000
Establishing a Stable Isotope-enabled Laboratory to Study Soil Microbial Ecology & Biogeochemistry in a Changing World	\$448,000
The Comprehensive Circulatory Physiology Research Laboratory	\$161,364
OMics Network Integration of PREGnancy Metabolism (OMNI-PREG) laboratory	\$120,000
Arthropod Outgrowths as a Model for the Evolution of Morphology and Gene Networks over Half a Billion Years	\$134,750
Hyperpolarized 129Xe Magnetic Resonance Imaging for Lung Health Across the Lifespan	\$115,500
Development of an Imaging Platform for the Laboratory of Molecular Neurobiology	\$307,300
Striatum-wide Dynamics that Reinforce and Disengage Behaviour	\$115,500
Geophysical and Remote Sensing Field Technologies for the xʷməθkʷəy̓əm Archaeology Center at UBC	\$171,880
Laboratory for the Study of the Biogeochemistry of Dissolved Organic Matter in the Ocean	\$117,000
Childhood Research on Overcoming Obstacles with Neurotrauma Van	\$117,000
Dissecting the Function of Proprioceptive Circuits for Adaptive Motor Control	\$270,000
Advanced Multiscale Three-dimensional Imaging Infrastructure for Next-generation Programmable Materials	\$117,000
31 projects	\$5,777,815

University of Northern British Columbia

Water and Wastewater Treatment Research Facility	\$140,821
Applied Metabolomics for Forest and Agricultural Sustainability	\$200,000
Assessing the Impacts of Rapid Global Warming on Soils in Northern Regions	\$125,000
3 projects	\$465,821

University of the Fraser Valley

Combining Spectroscopy and Electrochemistry: Assembly of a State-of-the-art Spectroelectrochemistry Instrument	\$73,540
Evaluating the Effectiveness of DIY Air Cleaners in Improving Air Quality from Traffic and Wildfire Pollution	\$19,989
2 projects	\$93,529

University of Victoria

Genetic Engineering of Beneficial Gut Microbes for Novel Therapeutics	\$332,000
1 project	\$332,000

Vancouver Island University

Automated Ambient Mass Spectrometry Imaging to Uncover Metabolic Heterogeneity in Tissues	\$250,000
1 project	\$250,000

NOTE:

As part of this announcement, an additional \$2,703,511 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.