

John R. Evans Leaders Fund Backgrounder

British Columbia

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$11,930,806 to support 53 infrastructure projects in the province.

Project Title	Maximum CFI Contribution
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Simon Fraser University

Studying Alternative Transportation Decarbonization Pathways in Canadian Climate	\$100,000
Infrastructure for the Laboratory of Molecular Microbiology	\$350,000
Synthesized and Structured Mid-infrared Fields as Probes for Quantum Materials and Molecules	\$125,000
Medium-Voltage Direct Current (MVDC) Research Infrastructure	\$125,000
Printable Green Semiconductors for Eco-friendly Self-powered Smart Sensors	\$100,000
An Accessible Physical Computing Environment for Blind or Low Vision People	\$100,000
Swarm Robots and Mixed Reality for Positive Behavior Change	\$100,000
Multi-view Capture and Real-time Processing of Neural Radiance Fields	\$100,000
Suite for Integrated Cell Engineering and Chemical Biology	\$150,000
9 projects	\$1,250,000

Thompson Rivers University

Capillary Electrophoresis Study of Pharmacologically-relevant Compounds in the Cannabis Industry	\$77,411
1 project	\$77,411

University of British Columbia (The)

3D-MARVIN: 3D Microstructural Analysis, Reconstruction, Visualization & Inspection	\$250,000
Cyclic Direct Simple Shear Equipment for Geotechnical Earthquake Engineering Testing	\$125,000
Improving Literacy Outcomes for Diverse Students and their Families in the Reading, Language, and Mathematics Lab	\$106,943
Delineating Aggressive B-cell Lymphomas Heterogeneity and Pathogenic Trajectories to Optimize Cell-based Immunotherapies	\$250,000
Infrastructure for Advanced Spine Mechanics Research	\$184,580
Smart Analytics Lab for Modelling Advanced and Livable Infrastructure Systems	\$111,995

INNOVATION

Canada Foundation
for Innovation

Fondation canadienne
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The Personality and Geographical Ambiance (PANGEA) Lab: A Locally-rooted Globally-connected Big-data Research Hub	\$36,317
Emerging Technologies for Optical Wireless Communications	\$399,338
Infrastructure for Exploring In-Situ Interfaces	\$225,000
Advanced Laser Ablation Spectroscopy: A Green Path to Canada's Critical Minerals	\$520,000
UBC Food & Beverage Innovation Center	\$700,000
The use of Human Stem Cells to Understand Mechanisms and Develop Treatments for Neurological Disorders	\$200,000
BRAvE at BCCH	\$700,000
Pulsars and Gravitational Waves: A New Window to the Extreme Universe	\$750,000
Transforming Heart Failure: Integrated Network Redesigned for Improved Outcomes (TOHFINO): An AI- Empowered Paradigm	\$400,000
Metabolic Caging for the Assessment of Energy Balance and Substrate Utilization in Mice	\$125,000
Nutrition and Eating Behaviour Laboratory	\$125,000
Applied Microbial Systems Ecology: An Integrated Approach to Stable Bioprocesses	\$125,000
The Loucks Pain Management Pharmacogenomics (PMP) Lab	\$125,000
Infrastructure for Advancing Galaxy Evolution Research with the James Webb Space Telescope and the Gemini Observatory	\$80,000
Multimodal Slide Scanning for Dental Research	\$81,936
Multi-Axial Subassemblage Test System (MAST) to Develop Resilient and Sustainable High-rise Buildings	\$619,000
Pharmacometabolomics for Precision Cancer Treatment	\$350,000
Microbial and Chemical Contaminant Removal in Decentralized Water Treatment Systems	\$125,652
Hydrogel-based Adhesive Artificial Mucosa (HAAM): A Novel Versatile Platform for Cancer Therapy and Prevention	\$150,000
Facility for the study of People-Predator-Prey Interactions (P3I)	\$150,000
Development of the Spinal Cord Injury Connectomics Laboratory	\$150,000
Laboratory for Experimental Evolution of Pathogens (LEEP)	\$405,000
Building a Decentralized Future with Foundation Models: Continual Learning and Monitoring at the Edge	\$375,000
Coastal Wetland Ecology and Restoration	\$144,579
Quantum Computation and Networks with Spins	\$560,000
Stormwater Infrastructure for Treatment of Emerging Trace Organic Contaminants	\$118,109
Plant Diversity, Adaptation and Bioengineering (PDAB) lab	\$200,000
Dissecting the Genomic Impact of Transposable Element with the High-throughput Genome Conflict Lab	\$180,000
34 projects	\$9,148,449

University of the Fraser Valley

Centre for High Pressure Research: CHPR	\$208,557
1 project	\$208,557

University of Victoria

State-of-the-Art Multi-collector Inductively Coupled Mass Spectrometry Laboratory for Earth, Ocean and Climate Science	\$380,000
Ocean Climate Change Experimental Lab	\$175,000
Old Cell Enrichment (OCE)-DSB Imaging Platform to Investigate Age-related Causes of Genome Instability	\$175,000
Human Motion at the Intersections of Engineering and Art through Extended Realities	\$100,000
Reducing Non-communicable Chronic Disease by Moving Behavioral Science into the Real World	\$130,000
NMR Appurtenance for Synthesis	\$180,000
6 projects	\$1,140,000

Vancouver Island University

High-resolution Ambient Mass Spectrometry Imaging for In-situ Spatial Metabolomics	\$74,895
Vancouver Island Eye-tracking Hub: Creating Regional Capacity for Evidence-based, Non-invasive Cognitive Assessment	\$31,494
2 projects	\$106,389

NOTE:

As part of this announcement, an additional \$3,579,242 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.