

**John R. Evans Leaders Fund
Backgrounder**

British Columbia

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$11,336,504 to support 50 infrastructure projects in the province.

Project Title	Maximum CFI Contribution
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Simon Fraser University

Infrastructure for computational materials design laboratory	\$100,000
Computational catalysis for clean energy transformation and clean chemical production	\$250,000
Neurophysiology of aging and neurodegeneration laboratory	\$100,000
Affective Computing and Human-AI Interaction (ACHAI) laboratory	\$100,000
State-of-the-art power electronics testing facility for modern energy systems	\$100,000
Coastal regeneration and relationalities	\$599,440
Movement neurorehabilitation and neurorepair laboratory	\$100,000
Advanced Research Laboratory for the Internet-of-the-Underwater-Things (ARL-IoUT)	\$100,000
8 projects	\$1,449,440

Thompson Rivers University

Quadruped-drone robot perception	\$47,853
1 project	\$47,853

University of British Columbia (The)

The role of GPCRs in alzheimer's disease pathophysiology	\$139,955
From nano to tectonic: A centre for nanogeology research	\$700,768
Relational restoration after climate event unit	\$136,102
Enzyme evolution for food, fuel and feedstock	\$160,000
Advanced infrastructure for studying greenhouse gas cycling in under-represented Arctic-boreal ecosystems	\$150,000
High-performance computing infrastructure for exoplanet discovery and demographics	\$88,000
Cumulative effects of Climate Change, Anthropogenic and Natural Disturbances on forest Ecosystem Services (CCCANDIES)	\$139,510
Digital Integration for Robotic Fabrication in Construction (DIRFIC) to facilitate rapid affordable housing in Canada	\$113,041

The Lipid Nanoparticle-Enabled Gene Delivery (LEGenD) lab: A frontier for next generation nanomedicine	\$353,668
Foundational infrastructure for marine robotics	\$149,623
Infrastructure for innovative building materials and systems toward zero carbon buildings	\$150,000
Fire fungi ecology & genetics lab	\$150,000
The translational acute brain injury laboratory	\$247,568
Real time assessment of metabolism in distinct human cell types across the health-disease continuum	\$145,148
Functional impact of variants in diabetes	\$265,251
Electrification of chemical manufacturing and separations	\$176,834
Environmental oncogenomics	\$150,000
An integrative approach towards understanding intelligence: Bridging the 'seeing' versus 'thinking' divide	\$318,301
Data-driven control for safety-critical applications	\$79,842
Function of nuclear envelope proteins in plant development and environmental response	\$105,000
A platform for the systematic characterization of immune-related DNA changes in diverse populations	\$85,000
Exploring the protective and pathogenic roles of germinal centers	\$150,000
Social sciences methods and measurement laboratory	\$75,001
Four-dimensional exposomics	\$400,000
Advancing sustainable biorefinery technologies for a circular bioeconomy by unlocking biomass potential	\$75,001
Applying plant evolutionary physiology for next-generation crop resilience: Establishing the SARC and CBIL at UBCO	\$200,000
Computing infrastructure for the AI and computational linguistics lab at UBC	\$75,001
AIR-Gen: Adaptive Integrated Respiratory Genomics	\$75,001
Development of new cycloaddition reactions for synthetic organic chemistry	\$296,000
Redox catalysis facilitates translational chemistry	\$296,000
3D models to study mechanobiological stimuli in cardiovascular disease	\$75,001
31 projects	\$5,720,616

University of Northern British Columbia

Enhanced rock mechanics infrastructure for energy resources research	\$124,954
Snow in Mountains (SiM): An observation network for snow mass, energy exchanges, and experimentation	\$94,174
Food security, mining reclamation, and holistic forestry: Managing for climate change and sustainability in the North	\$100,000
3 projects	\$319,128

University of Victoria

The socio-ecological landscapes lab - A new research facility to study alpine and Arctic ecosystems	\$150,000
Live cell imager with confocal capability	\$300,000
Microscopy facility for earth, ocean, and climate science	\$125,000
Radical manifolds for selective catalysis: a comprehensive platform for discovery and development	\$225,000
Indigenous mental health and wellness lab	\$210,000
Learning from the past to adapt to an uncertain future in BC's coastal communities	\$120,000
6 projects	\$1,130,000

Vancouver Island University

Building Resilient Communities: Integrating Health, Well-Being and Sustainable Tourism through Innovative Research	\$53,351
1 project	\$53,351

NOTE:

As part of this announcement, an additional \$2,616,116 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.