

**John R. Evans Leaders Fund  
Backgrounder**

**Nova Scotia**

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$2,823,665 to support 18 infrastructure projects in the province.

<b>Project Title</b>	<b>Maximum CFI Contribution</b>
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**Dalhousie University**

Dissecting neural circuit connections underlying mental health disorders	\$125,000
Metabolic regulation of KNDy neuron development	\$124,400
Protein-based biotechnologies by protein systems engineering to advance the study, diagnoses, and treatment of disease	\$125,000
Infrastructure for Chant Databases: Artefact digitization and data-cleaning	\$105,000
Transforming agricultural waste: Pyrolysis-based solutions for emission reduction and bioeconomy growth	\$100,000
Identifying immunological changes in cancer due to persistent viral infection	\$85,000
Housing and equipment to study host-microbe dynamics affecting poultry health	\$125,000
Harnessing immune responses to prevent, treat or cure infectious disease	\$163,749
Biomarkers of Subjective Cognitive Decline (SCD) in older adults	\$165,000
Investigating host-microbe interactions in the female genital tract	\$163,749
State-of-the-art recirculating open water channel with wave generator	\$125,000
Pyrroles for sensing and photochemical applications	\$130,000
Development of functional textile materials and structures for eco-friendly healthcare devices	\$125,000
Particle transport from biomass injection into sediment for innovative marine carbon dioxide removal	\$118,000
<b>14 projects</b>	<b>\$1,779,898</b>

**Saint Mary's University**

Acquisition of a high resolution and sensitivity cathodoluminescence (CL) detector	\$198,403
Thermophysical properties of high temperature systems for clean energy solutions	\$100,000
<b>2 projects</b>	<b>\$298,403</b>

**St. Francis Xavier University**

Using virtual reality for psychological science	\$22,299
Ecology and early life history strategies of bivalves: impacts multiple stressors have	\$71,450



Canada Foundation  
for Innovation

Fondation canadienne  
pour l'innovation

on reproductive success	
<b>2 projects</b>	<b>\$93,749</b>

**NOTE:**

As part of this announcement, an additional \$651,615 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.