

**John R. Evans Leaders Fund / Fonds des leaders John-R.-Evans
Backgrounder / Fiche d'information**

Alberta

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$7,983,207 to support 38 infrastructure projects in the province. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 7 983 207 \$ en vue d'appuyer 38 projets d'infrastructure dans la province.

Project Title / Titre du projet	Maximum CFI Contribution / Contribution maximale de la FCI
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Athabasca University

Metagenomics of Microbial Communities in Northern Alberta as Determinants of Aquatic System Health	\$28,191
1 project / projet	\$28,191

University of Alberta

High Dimensional Single Cell Analysis Platform to Study the Immune System in Health and Disease	\$332,799
Mitigation of Drug Resistance in Bacteria and Pathogenic Yeasts	\$98,969
Weathering Chamber for Textiles, Polymers and Composites	\$102,756
Nutritional Immunology	\$419,544
Laboratory for the Discovery, Characterization and Application of Bacterial Toxins	\$224,002
A Super-resolution Live-cell Imaging Platform to Study Lipid Dynamics in the Brain	\$266,550
Moving Together—Language, Body, and the Surround in Mobile Interaction	\$127,543
Control of Multiple Autonomous Robotic Systems in Unstructured Environments	\$419,503
Pancreatic Islet Deep Phenotyping Core	\$267,307
Mechanisms of Placental Epithelial Stress Response in Homeostasis and Pathology	\$132,091
Investigating the Multi-level Mechanical Behavior of Advanced Materials Under Multi-Axis Loading	\$277,322
A Cell Culture Facility for Glycosyltransferase Application to Therapeutic Protein Improvement	\$187,556
The Role of Polysialic Acid in Regulating the Immune Response in Health and Disease	\$178,260
Mitigating Adverse Drug Reactions in Childhood Cancer Therapy with Precision	\$127,176
Dynamic Simple Shear Testing System for Local Pore Pressure Measurements within Developing Shear Planes	\$80,000

... / **University of Alberta**

High Temperature Pressurized Fluid System for Sustainable and Renewable Energy Advancement	\$125,000
Establishing a Multiple Sclerosis Lab Studying White Matter Injury and Repair	\$164,964
Construction Innovation Centre Lab for Intelligent and Resilient Automation and Technology	\$312,733
Laboratory Investigation of Cold Temperature Properties of Asphalt Mixes	\$85,514
Smart Femtosecond Microbeamline for Ultrafast Applications	\$274,649
Behavioral and Neural Imaging Infrastructure for Studying the Neurobiology of Forgetting and Memory Suppressors	\$400,326
Research Infrastructure for Adsorptive Gas Separation for Energy and Environment	\$100,000
A Mobile Robotic Platform for Continuity of Healthcare Service Delivery During and Following the COVID-19 Pandemic	\$130,695
23 projects / projets	\$4,835,259

University of Calgary

Many-body Quantum Optics Using Superconducting Circuits	\$300,000
Enabling Molecular Computing: Spectroscopic Evaluation of Molecular Computing Components	\$160,000
Laboratory for High-throughput Experimentation and Kinetic Investigation	\$320,000
Microbiota-immune Interactions and Host Defence against Infections and Sepsis	\$365,000
Processing Bodies are Central Hubs of Innate Immune Regulation, Inflammation and Tumourigenesis	\$93,610
Deconvolution of Molecular Heterogeneity in Brain Cancer	\$254,161
Development and Performance Assessment of Eco-friendly Concrete Materials Incorporating Innovative Seeding Admixtures	\$150,000
Next-generation Cable-assisted Robotic Machining System	\$140,730
A Cloud Computing and Mobile Device Farm Facility for Health Data Science Research	\$144,184
Stories of Energy Transition	\$29,650
Functional Ultrasound Imaging for Discovering Mechanisms and Treatments of Alzheimer's Disease and Vascular Dysfunction	\$249,606
Role of the Innate Immune System in Cardiac Homeostasis and Repair	\$433,937
Precision Medicine Approach to Trauma-induced Coagulopathy	\$396,000
13 projects / projets	\$3,036,878

University of Lethbridge

Centre for Indigenous Arts Research and Transdisciplinary Praxis (CiART)	\$82,879
1 project / projet	\$82,879

NOTE:

As part of this announcement, an additional \$2,394,962 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 2 394 962 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.