

**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 \$4,742,218 to support 24 infrastructure projects in the province. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 4 742 218 \$ en vue d'appuyer 24 projets d'infrastructure dans la province.

Project Title / Titre du projet	Maximum CFI Contribution / Contribution maximale de la FCI
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**University of Alberta**

Environmental Bioprocess Development Laboratory for Waste and Wastewater	\$108,000
Molecular Injury and Repair Assessment in Ex Vivo Perfused Solid Organ Transplants	\$60,000
Characterization of the Role of Microparticles in Regulating Immune Responses against Colorectal Cancer	\$164,181
Targeted Analyses Using Triple Quadrupole Mass Spectrometry to Assess the Performance of Land/Water Reclamation Systems	\$232,000
An in Vivo Two-photon (2P) Imaging Platform to Study Cell Types, Neural Networks, and Mechanisms of Memory	\$220,001
Quantitative Proteomics Infrastructure for both Fundamental and Applied Agricultural and Health Science Research	\$686,000
High-throughput Discovery of Cellular Targets and Research Tools for Neurodegenerative Diseases	\$120,000
Ultra-low Radioactivity Gases for New Rare Event Searches and New Detector Technology	\$200,000
Properties of Geologic Fluids: Linking Physical and Atomic-scale Properties at Elevated Temperatures and Pressures	\$211,440
Identification of Novel Therapeutic Targets in Chemotherapy-Induced Cardiotoxicity	\$160,000
Pain and Addiction Laboratory	\$155,983
Dissecting Molecular Mechanisms Regulating Brain Development and Regeneration	\$147,094
Metal Resource Recovery during Carbon Capture Utilization and Storage in Waste Minerals and Waste Water	\$180,455
Development and Characterization of an Innovative Hybrid Photosensor	\$200,000
Examination of HVAC Systems on Indoor Gaseous Pollutant Transmission and Development of Effective Control Strategies	\$97,223
Digital PCR Analysis for Neuroscience Discovery	\$79,869
<b>16 projects / projets</b>	<b>\$3,022,246</b>

## University of Calgary

System-Wide Investigation of Rheumatoid Arthritis Patients Using Mass Spectrometry	\$400,000
Clean Energy Research Micro-Grid	\$150,000
Sustainable Technologies for Rare Earth Elements Extraction and CO2 Utilization	\$137,870
Disinfection Byproducts in Reclaimed Wastewaters: Formation, Occurrence, and Toxicity Indicators	\$285,000
Developing Innovative Functional Materials and Technologies for Environmental Remediation Based on Interaction Studies	\$150,000
Colloids: Building Blocks towards New Materials	\$147,102
Innovative Characterization of Water-rock Interaction for a New Generation of Models of Sustainable Energy Utilization	\$250,000
Translational Control of Mammalian Brain Development	\$200,000
<b>8 projects / projets</b>	<b>\$1,719,972</b>