

John R. Evans Leaders Fund Backgrounder

Alberta

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$12,225,766 to support 40 infrastructure projects in the province.

Project Title	Maximum CFI Contribution
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Athabasca University

Fostering Mature Indigenous-Driven Research Ecosystems in Northwestern Ontario through Digital Infrastructure	\$74,980
ElectroMagnetique: Investigating space weather hazards in Canada	\$132,032
2 project	\$207,012

University of Alberta

21st Century Infrastructure for Indigenous Languages	\$297,922
CryoBio Engineering Lab	\$131,888
Laboratory for Multifunctional Innovations for Chronic Infections and Repair of Oral Tissues (MICRO)	\$257,056
Biomechanical Regulation of Heterogeneity in Breast Cancer Progression	\$289,197
Cardiovascular and Pulmonary Phenotyping in Preclinical Models of RespiratoryVirus Infections	\$391,290
Quantitative Proteomic Infrastructure to Facilitate Large Cohort Biology for Fundamental and Translational Discoveries.	\$800,000
Advancing Environmental, Health, and Agricultural Research through High-throughput Third Generation Sequencing	\$417,285
Underwater Mobile Wireless Networking Infrastructure for Advanced Water Research	\$209,979
Transforming Musculoskeletal Care: Advancing Precision Health with High-speed Biplanar Videoradiography	\$508,076
Laboratory for High-density Cell Culture Systems in Cultured Meat Research	\$233,759
Laser Additive Manufacturing and Treatment of High-performance Metallic and Ceramic Materials	\$365,255
Creating a Personalized Genetic Medicine Hub Integrating Advanced Genomics and Imaging Technologies	\$790,957
A Comprehensive Air Analysis System for the Environment, Health, Agriculture, and Sustainability	\$795,305
Solution Chemistry: Advancing Lithium Extraction and Sustainable Lithium Hydroxide Production	\$125,932
High Performance Computing in the Social Sciences	\$102,576

Rehabilitation Medicine Functional Performance Testing and Training Centre (REHAB-Trac)	\$103,664
Infrastructure for the Program for Pregnancy and Postpartum Health	\$474,841
Investigating the Neural and Molecular Mechanisms of Social Plasticity in Cichlid Fishes	\$187,190
STITCH: Shaping Technology and Inquiry through Transdisciplinary Critical Humanities	\$507,916
19 projects	\$6,990,088

University of Calgary

Gut Microbiome Editing Across Scales of Ecological Complexity	\$457,920
The Role of Endogenous Erythropoietin in Regulating Mitochondrial Function and Exercise-induced Metabolic Adaptations	\$150,000
Influenza Pathogenesis and the Development of Anticipatory Universal Vaccines for Canadian Pandemic Preparedness	\$131,000
Mobile Operations for Bridging Indigenous and Land-based Ecologies (MOBILE)	\$100,000
A Human Immunology Program to Define and Repair Lymphocyte Interactions During Immunosuppression	\$370,700
A Multipurpose Shock-tube Facility For Aerospace And Energy Research	\$158,000
CWD Prion Pathogenesis: From Gut to Brain to Environment	\$80,000
Next-generation Technology for Pediatric MRI: A Platform for Structural, Functional, and Metabolic Brain Assessment	\$400,000
Integrative Platform for Studying Fungal Pathogens and Engineering Fungal Cell Factories	\$250,000
AI-Driven UAV Hyperspectral Imaging System for Advanced Environmental Monitoring	\$233,319
Trading Robots: Human-algorithm Interaction in Modern Markets	\$180,000
Flux-Coupled Superconducting Devices for Quantum Sensing and Computation	\$517,000
High Parameter Imaging Cell Sorting for the Identification, Imaging, and Isolation of Pathogen Niche-Adapted Host Cells	\$285,000
The Calgary Metabolic Health Suite	\$400,000
Computational Infrastructure for Multimodal, Longitudinally Integrated MRI (LI-MRI) for Glioblastoma Monitoring	\$140,000
HOT-Brain	\$400,000
The Calgary Glymphatics Laboratory (C-GLYMPH)	\$393,583
17 projects	\$4,646,522



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University of Lethbridge

Integrative Microscopy for Behavioural, Developmental, and Comparative Neuroscience	\$155,514
Spinning Ribosomes: An Ultracentrifugation Suite for Innovation in Health, Research and Industry	\$226,630
2 projects	\$382,144

NOTE:

As part of this announcement, an additional \$3,667,730 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.