INNOVATION
Canada Foundation for Innovation
Fondation canadienne pour l'innovation

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
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**

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.