

**Fonds des leaders John-R.-Evans  
Fiche d'information**

**Alberta**

Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 10 769 418 \$ en vue d'appuyer 39 projets d'infrastructure dans la province.

| <b>Titre du projet</b> | <b>Contribution<br/>maximale<br/>de la FCI</b> |
|------------------------|------------------------------------------------|
|------------------------|------------------------------------------------|

**Athabasca University**

|                                                                                               |                   |
|-----------------------------------------------------------------------------------------------|-------------------|
| Investigating immersive leadership training as an intervention to combat workplace harassment | 59 281 \$         |
| Healing land through soil: A mobile molecular microbiology approach for prairie restoration   | 29 929 \$         |
| Detection of industrial analytes of interest with luminescent bacterial biosensor technology  | 39 270 \$         |
| <b>3 projets</b>                                                                              | <b>128 480 \$</b> |

**University of Alberta**

|                                                                                                                     |            |
|---------------------------------------------------------------------------------------------------------------------|------------|
| Synthesis of chiral and achiral nanographenes and graphene nanoribbons and study of their properties                | 240 000 \$ |
| Enhancing resilience and sustainability of infrastructure and buildings through hybrid testing systems              | 106 984 \$ |
| Exploring bacterial electron transport chains towards novel treatment of infection                                  | 212 748 \$ |
| The laboratory for molecular longevity and healthy aging                                                            | 196 866 \$ |
| Research infrastructure for human-level robotic manipulation task mastering                                         | 164 699 \$ |
| Platform for the measurement of very persistent, very mobile, ultra-trace contaminants in the environment           | 294 355 \$ |
| Glow discharge optical emission spectroscopy: deep elemental depth profiling of all-kind solid materials            | 240 174 \$ |
| Analytical facility for hydrocarbons and atmospheric emissions                                                      | 306 653 \$ |
| Temperature-control Structure-Property Characterization (TSPC) system for future energy system and material science | 236 372 \$ |
| Expanding the capacity of the Canadian ice core lab                                                                 | 79 262 \$  |
| Water Research Centre (WRC) for circular economy and resilience                                                     | 204 325 \$ |
| Beyond the microscope: Pioneering nanotechnology research with advanced atomic force microscopy                     | 248 497 \$ |
| Long-lasting high-entropy electrodes for energy storage and conversion                                              | 105 000 \$ |
| Determining structure-property-relationships in functional polymer nanocomposites during processing                 | 88 521 \$  |
| Metabolism and mechanobiology in musculoskeletal aging, injury and disease                                          | 145 288 \$ |

|                                                                                        |                     |
|----------------------------------------------------------------------------------------|---------------------|
| Mitigating methane: A holistic approach to reducing GHG emissions in livestock farming | 128 286 \$          |
| Quantitative exposomics and metabolomics for assessing human and animal health         | 446 164 \$          |
| <b>17 projets</b>                                                                      | <b>3 444 194 \$</b> |

### University of Calgary

|                                                                                                                          |                     |
|--------------------------------------------------------------------------------------------------------------------------|---------------------|
| ATOM: Anechoic Test and Observation Module for hyper-connected world research                                            | 170 000 \$          |
| Procoagulant membrane dynamics: Mechanistic insights, clinical translation, and innovation                               | 250 000 \$          |
| Understanding the role of animals in the dissemination of antimicrobial resistance and antimicrobial-resistant organisms | 110 000 \$          |
| Differentiable programming for optimizing nonequilibrium systems and biomaterials design                                 | 150 000 \$          |
| Advanced medium-voltage test facility for next-gen power electronics & drives: Accelerating clean tech adoption          | 155 199 \$          |
| VirRepo: Building & characterizing a human Virus Repository for Virotherapy                                              | 225 000 \$          |
| Research hub for binder discovery in cancer immunotherapy                                                                | 400 000 \$          |
| Measuring and modeling wildfire fuels using laser scanning, artificial intelligence, and process modeling                | 175 000 \$          |
| Deciphering cell-cell interactions and signaling in neuroinflammation                                                    | 527 000 \$          |
| Jungle genomics: Infrastructure for in situ study of genetic adaptation                                                  | 75 050 \$           |
| Advancing quasi-passive prosthesis technology through experimental optimization                                          | 240 000 \$          |
| The Calgary Amyloid Lab (CALAB) - A novel approach to modelling neurodegenerative disorders                              | 254 800 \$          |
| Energy storage systems for a renewable energy grid                                                                       | 205 000 \$          |
| Investigating the interplay of mechanical loading, bone growth, and metabolic dysfunction in childhood-onset diseases    | 290 000 \$          |
| Miniature multiphoton live imaging for discovering mechanisms and treatments of Alzheimer's disease                      | 492 000 \$          |
| Integrating the mining cycle for the sustainable supply of critical mineral resources                                    | 100 000 \$          |
| Histological assessment of bone and joint tissue structure and function: A facility approach to increased research       | 322 445 \$          |
| Integrative metabolic physiology of overwintering insect pests                                                           | 100 000 \$          |
| Harnessing isomer-resolved mass spectrometry lipidomics to map lipid modulators in antimicrobial resistance              | 470 000 \$          |
| <b>19 projets</b>                                                                                                        | <b>4 711 494 \$</b> |

### À NOTER :

Cette annonce comprend l'attribution d'une somme additionnelle de 2 485 250 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.