

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

Ontario

The Canada Foundation for Innovation (CFI) Board of Directors approved a contribution of \$6,957,350 to support 35 infrastructure projects in the province. / Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 6 957 350 \$ en vue d'appuyer 35 projets d'infrastructure dans la province.

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

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| In Vivo Fluorescence Microscopic Analysis of the Developmental Evolution of the Amphibian Skull | \$109,562 |
| Novel In Situ Remediation Technologies for Treatment of Contaminated Soil and Groundwater | \$56,000 |
| 2 projects / projets | \$165,562 |

McMaster University

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| Infrastructure for Physical Activity Assessment and Analysis Suite | \$80,000 |
| 1 project / projet | \$80,000 |

Queen's University

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| Integrative Systems Biology Investigation of Chronic Respiratory Diseases | \$150,000 |
| Harnessing the Power of Light: Discovering New Materials for Optoelectronics, Solar Energy Harvesting, and Biomedicine | \$130,000 |
| 2 projects / projets | \$280,000 |

University of Guelph

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| *NSERC/UNENE Senior Industrial Research Chair in High Temperature Aqueous Chemistry | \$125,000 |
| 1 project / projet | \$125,000 |

**Funding for Research Infrastructure Associated with a NSERC Industrial Chair
 Financement de l'infrastructure liée à une Chaire industrielle du CRSNG*

University of Ottawa / Université d'Ottawa

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| Targeting Wnt Signaling in Heart Disease | \$116,005 |
| 1 project / projet | \$116,005 |

University of Toronto

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| Maturation of Sensitive Circuits Underlying Early Life Stress | \$180,000 |
| Defining and Overcoming Immunosuppression to Fight Persistent Viral Infection and Cancer | \$203,729 |
| Targeting Mitochondrial Dysfunction in Leukemia | \$199,623 |
| Structure of GPCR Membrane Proteins | \$134,553 |
| Innovative Dental Restorative System with Enhanced Biostability, Antidegradative and Antimicrobial Properties | \$240,000 |
| Imaging Progressive Cartilage Degeneration: Unravelling the Mechanisms Associated with Joint Damage in Osteoarthritis | \$197,852 |
| Digital Storytelling and Mobile Media Lab | \$200,000 |
| High-frame Rate and High-frequency Ultrasound in Pediatric Cardiovascular Disease | \$680,000 |
| Laboratory of Quantitative Global Change Ecology | \$100,000 |
| Preventing Falls in Vulnerable Populations | \$166,199 |
| The Design and Fabrication of Performance-driven Architecture: Non-Standard Surfaces for Customised Acoustic Quality | \$115,000 |
| Infrastructure for Translation of Radiolabeled Monoclonal Antibodies to First-in-Humans Clinical Trials | \$526,255 |
| Elucidating the Role of Macrophages in Cardiovascular Disease | \$402,489 |
| Infrastructure for the Development and Application of Nickel Catalysts for Sustainable Chemistry | \$319,543 |
| Evolution and Diversity of the Synapse: Roles for Voltage-gated Calcium Channels and PDZ Mediated Protein Interactions | \$80,000 |
| Vision: Two-photon Imaging System for Research in Retinal Development, Injury and Repair | \$398,556 |
| Constraining Canada's Regional and Urban Carbon Cycle using Atmospheric Greenhouse Gas Measurements | \$280,000 |
| An Advanced Precision Medicine Technology Centre: Molecular Profiling in Kidney Cancer | \$390,141 |
| The C. Elegans Motor System: Development, Operation and Disease Models | \$393,872 |
| 19 projects / projets | \$5,207,812 |

University of Waterloo

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| Biomechanical Determinants of Occupational Performance | \$100,000 |
| Scaling the Cluster Computing Infrastructure for Scalable Big Data Management and Analysis | \$132,025 |
| A Versatile Multi-physics Device and Circuit Characterization and Testing Platform | \$125,000 |
| Development of Advanced Nanostructured Graphene Materials for Clean Energy Storage | \$50,000 |
| 4 projects / projets | \$407,025 |

University of Western Ontario (The)

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| Neurobiology of Stress in Health and Disease | \$200,000 |
| The Wearable Biomechatronics Laboratory | \$200,000 |
| 2 projects / projets | \$400,000 |

Wilfrid Laurier University

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| Specialized Tools for In-situ and Online Analysis of Volatile Organic Compounds Relevant to Environmental Systems | \$54,933 |
| Green Methods for the Preparation of New Materials | \$16,013 |
| 2 projects / projets | \$70,946 |

York University

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| Facilities for Development of Multifunctional Miniature Devices | \$105,000 |
| 1 project / projet | \$105,000 |