

Fonds des leaders John-R.-Evans

Ontario

Le conseil d'administration de la Fondation canadienne pour l'innovation (FCI) a approuvé des contributions totalisant 21 445 250 \$ en vue d'appuyer 112 projets d'infrastructure dans la province.

Titre du projet	Contribution maximale de la FCI
-----------------	---------------------------------

Carleton University

Dynamic Networks in Financial Markets	75 001 \$
Development of Quantum Telechnologies for Integration into Telecommunication Systems	75 001 \$
Aging Gracefully: The influence of lifestyle and contextual factors on older adults' everyday cognition	120 000 \$
Smart Metasurface Reflectors & Reflectarrays for 5G Wireless and Beyond	110 000 \$
Advancing Super Resolution Microscopy with 'Kinetic Rulers' and a TIRF Microscope	120 000 \$
Creating the Centre for Investigative Interviewing	67 000 \$
Research-Creation Laboratory for Unsettling Surveillance and Disruptive Exhibitionism (RC Lab)	105 000 \$
Examining the Neurobiology of Trauma to Inform Personalized Treatments for Mental Illnesses	140 000 \$
Infrastructure for Ultrasound-guided Percutaneous Robotic Surgery	95 999 \$
Geo-environmental Gas Laboratory: Advancing environmentally sustainable decarbonization in the Canadian energy sector	150 000 \$
10 projets	1 058 001 \$

McMaster University

Sustainable High Temperature Materials Processing Lab	150 000 \$
Laboratory Infrastructure for the Evolution of Beneficial Plant-microbe Interactions in a Changing World	120 000 \$
Infrastructure to establish the Muscle Ultrasound in Health and Breast Cancer Laboratory	120 000 \$
Laboratory for the Study of Quantum Materials Under Extreme Conditions	320 000 \$
Understanding the Pathophysiology of Long-COVID Psychiatric Illness	382 514 \$
Facility for Accelerated Wire Alloy Research and Development (AWARD)	641 937 \$

... / McMaster University

Laboratory Infrastructure for the Evolution of Beneficial Plant-microbe Interactions in a Changing World	120 000 \$
6 projets	1 734 451 \$

Queen's University

State-of-the-art Live Imaging Platform to Study Plant Stress Signaling	61 487 \$
Testing the Potential of Extracellular Vesicles to Deliver Therapeutics and to Develop Biomarkers in Alzheimer's Disease	205 200 \$
Development of Sustainable Cellulose- and Protein-based Building Blocks for the Fabrication of Functional Materials	125 000 \$
Quantum Internet to the Home with Cryogenic Silicon Photonics	125 000 \$
Interception as a Mechanism of Adolescents' Emotional Development	141 416 \$
5 projets	671 617 \$

Ryerson University

Perception, Motion Planning and Control of Connected Autonomous Vehicles	76 000 \$
Aerospace Additive Manufacturing	88 000 \$
2 projets	164 000 \$

University of Western Ontario (The)

Bionanocorrosion Lab	350 884 \$
Maximizing Benefits of Aerobic Exercise Training in Cardiac Rehabilitation	272 829 \$
Laboratory X-ray Absorption Fine Structure Spectroscopy	257 230 \$
Western Innovation for Renewable Energy Deployment (WIRED)	270 422 \$
Characterizing Neural Activation to Enhance Community Mobility Recovery after Stroke	228 292 \$
Leveraging the Genital Microbiome to Improve Health and Prevent HIV	234 359 \$
Infrastructure to Support Population-based Approaches for Physical Activity Measurement and Promotion in Childcare	75 534 \$
7 projets	1 689 550 \$

University of Guelph

Unravelling Complex Food Structures to Enhance Food Stability, Functionality and Nutrition	\$93,855
The Interplay of Gene Expression Networks and Neural Circuits in Chronic Pain Development	\$130,000
High Pressure High Temperature Chemistry Centre at the University of Guelph	\$207,747

... / University of Guelph

Autophagy: A key cellular response to decelerate immunosenescence and cancer spread	145 336 \$
Establishing the IndigenERA Lab	106 983 \$
Stress, Survival and Behavioural Competence in Animals	99 633 \$
Advanced Ultrasound Imaging Equipment for Multi-user Human Physiology Research	124 738 \$
Examining the Role of Visual Attention When Crossing Streets	27 805 \$
Mast Cells and Microbes: The Mrgpr Link	87 595 \$
Harnessing Functional Diversity between Gut Microbes to Improve Live Biotherapeutic Design	87 596 \$
Infrastructure for Plant and Microalgal Lipid Research: Leveraging Lipid Metabolism to Design Value-added Oils	87 595 \$
11 projets	1 198 883 \$

University of Ontario Institute of Technology

fNIRS for Evaluation of Normative/Psychiatric Social Brain Function in Ecologically-valid and Interactive Settings	156 536 \$
1 projet	156 536 \$

Université d'Ottawa

Computer-aided Molecular Design: From materials to biomolecules	225 715 \$
Indigenous Intellectual and Wellbeing Research Lab	511 380 \$
Laboratory for Psychedelic Clinical Research	121 247 \$
Peptide-based Therapeutics for Treating Failing Organs and Infections	284 644 \$
Infrastructure to Support the Development of Novel Viral Sensitizers for Innovative Biomanufacturing of Viral Medicines	188 998 \$
Genetic Basis of Regeneration in Zebrafish	277 854 \$
Our Changing Chemical Environment: Studying heat-induced transformations to support health and innovation	382 612 \$
High Content Screening for Advanced Therapeutics	318 241 \$
iMACCS: Innovative Materials for Carbon Capture and Sequestration	190 557 \$
Optogenetic Manipulation and Reorganization of Memory and Motor Neural Networks in the Central Nervous System	233 380 \$
10 projets	2 734 628 \$

University of Toronto

Enabling the Rapid Evaluation of the WDR Family of Proteins as Human Drug Targets	778 545 \$
Exploring the Impact of Expertise on Perception, Encoding, and Retrieval in Complex, Dynamic Events	100 000 \$
Collaborating Continuum Robots	160 000 \$
Biophotonic Wearables and Implants for Clinical Translation	150 000 \$
Interrogation of Cancer Multi-omics Data using Advanced Single-cell Technologies and Computational Approaches	469 033 \$
Robust Learning-based Autonomy in Dynamic Environments	207 458 \$
Measurement and Modelling Infrastructure for Neuroinformatics-driven Precision Psychiatry in Youth	349 190 \$
Understanding and Treating Cancer, Cardiovascular, and Metabolic Disease in Women: A holistic, lifestyle approach	476 999 \$
The Intelligent and Interactive Buildings (IIB) Laboratory	97 388 \$
High-throughput Automated Phenomics Platform to Improve Plant and Soil Health	300 000 \$
Reverse Engineering Circuit Dysfunction, Pathology, and Deep Brain Stimulation in Parkinson's Disease	203 244 \$
Environmental Influences of Sexual Dimorphism	75 001 \$
Single-molecule Detection of Blood-based Protein Biomarkers for Disease Diagnostics	151 600 \$
Imaging of Neuronal Network Activity and Neurometabolism in Experimental Models of Ischemic Stroke Recovery	305 370 \$
The Cognitive Expertise and Education Data Laboratory	82 662 \$
Pathological Impact of Proteostasis Dysfunction in Alzheimer's Disease and Late Life Depression	405 392 \$
Intelligent Variant Effect Prediction for Tumour Suppressor Genes	128 975 \$
Harnessing the Activity of Secreted Bloodborne Factors to Restore Synapse Formation and Function in Aged Human Neurons	440 000 \$
Physical Vapor Deposition Materials Acceleration Platform	500 000 \$
Prototyping a Fully Autonomous Mobile Robot for Construction Digital Twinning with Higher-order DNNs	100 000 \$
An Advanced Optical Instrumentation Laboratory for the Development of the Next Generation Spectroscopic Surveys	140 000 \$
Infrastructure for Studying Sex Differences in Omega-3 Fatty Acid Metabolism	325 000 \$
Delineating the Role of Cell Plasticity in Neuroendocrine Tumors	125 000 \$
Enhancing TNFC's Micro/Nanofabrication Capabilities	400 000 \$
Confocal Microscope for Cardiovascular Research	411 424 \$

... / University of Toronto

HIV Antiretroviral Safety for Mothers and their Babies	281 147 4
26 projets	7 163 428 \$

University of Waterloo

Timely and Privacy-preserving Threat Intelligence using Machine Learning	85 000 \$
Infrastructure to Identify and Mitigate Threats to Drinking Water Source Quality and Treatability in a Changing Climate	250 000 \$
Developing Photoacoustic Remote Sensing (PARS) for Next Generation Real-time Medical Imaging in-Situ	209 440 \$
Multi-user High-resolution X-ray Powder Diffractometer with Heating Stage	103 668 \$
Infrastructure for the Experimental Evaluation of Innovative Mass Timber and FRP-hybrid Systems	104 000 \$
A Data-informed Model for Predicting Kidney Outcomes	118 221 \$
Longhouse Labs	577 855 \$
Human Motion Analyses to Predict and Treat Osteoarthritis	79 776 \$
Advancing Safety of Autonomous Systems for Real-world Applications	80 000 \$
Infrastructure for the Characterization and Manipulation of Soft Robotic Materials	90 000 \$
Laboratory X-ray Absorption Spectroscopy to Accelerate Sustainable Technology Development	560 000 \$
CPU-GPU Enabled Computational Modelling of the Coastal Ocean	83 425 \$
Real-world Assessment of Assistive Robotics for Mobility Impairments and Injury Prevention	227 500 \$
Infrared Imaging and Drop Shape Analyzer Systems for Surface Science and Bionanomaterials Development	80 000 \$
Human-machine Collaborative Visual Data Exploration and Analytics	80 000 \$
Developing a Unique Canadian Critical Zone Observatory at the Lake-landscape Interface	150 000 \$
Mitigation of Collapse Risks of Civil Infrastructure by Developing Novel and Reliable Non-destructive Testing Techniques	109 095 \$
Next Generation Fire Safety: Grounded in science, embracing population diversity	125 564 \$
Atomic Force Microscopy Combined with Electrophysiology for Molecular Neuroscience Research	173 575 \$
Development of Sustainable Technology Platform for Paper-based Monitoring Devices	125 200 \$
Electric Aviation: Operational testing of low carbon aviation technology	131 124 \$
Infrastructure to Launch a Novel Skin Biomechanics Research Program in Canada	90 000 \$

... / University of Waterloo

Tracking the Coevolution of Earth's Biosphere, Hydrosphere and Geosphere using Novel Isotope Systems	198 412 \$
23 projets	3 831 855 \$

University of Windsor

Multipurpose High-speed Imaging Workstation for Real-time Applications	75 001 \$
Virus and Cell Fraction Isolation and Characterization for Biomedical Research	75 001 \$
Computing Infrastructure for Deep Learning on Graph-structured Data	75 001 \$
3 projets	225 003 \$

Wilfrid Laurier University

The Consequences of Discrete Emotions Across Older Adulthood	80 000 \$
The Threat of Collective Autonomy Restriction and the Maintenance of Social Hierarchies	23 783 \$
Powder X-Ray Diffractometer for Next Generation Materials Characterization	79 810 \$
3 projets	183 593 \$

York University

Exploring Variability in Musculoskeletal Anatomy and Biomechanics Related to Shoulder Movement and Health	140 000 \$
Targeting TRAF1 to Devise Novel Therapies for Inflammatory Arthritis	140 000 \$
Effects of Aging and Curiosity-states on Learning and Memory	73 705 \$
Behaviour-centric Cybersecurity Research Lab	140 000 \$
REIL: Realistic Environment Interaction Logistics	140 000 \$
5 projets	633 705 \$

À NOTER :

Cette annonce comprend l'attribution d'une somme additionnelle de 6 433 575 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.