Heart & Stroke
2021/2022 Grant-In-Aid Grantees

Alarcon, Emilio (University of Ottawa Heart Institute)
Co-PI: Suuronen, Erik
*Nano-engineered Electroconductive Materials for Cardiac Tissue Repair*

Bendeck, Michelle (University of Toronto)
Co-PI: Santerre, Paul
*Strategies to Inhibit Vascular Stenosis*

Clavel, Marie-Annick (Institut de cardiologie de Québec)
*Multi-omic approach to sex-differences in aortic stenosis*

Dash, Satya (University Health Network)
Co-PI: Jackson, Timothy
*Investigating the role of neuropeptide Y 4 receptor in weight loss and improved cardio-metabolic markers after bariatric surgery*

Dawson, John (University of Guelph)
*Cardiomyopathies: How Allostery and Indirect Cardiac Actin Mutations Modify Force*

Fedida, David (University of British Columbia)
*Activators of KCNQ1 and KCNE(x) ion channel complexes*

Feng, Qingping (University of Western Ontario)
*Maternal diabetes and congenital heart defects: Role of miRNA-122*

Gilbert-Ouimet, Mahée (Université du Québec)
*A sex and gender examination of the relationships between psychosocial stressors at work, long working hours and the 24-year incidence of cardiovascular diseases among 9,188 women and men*

Hegele, Robert (University of Western Ontario)
*Clinical translation of genomic determinants of dyslipidemia*

Hornberger, Lisa (University of Alberta)
Co-PI: Davenport, Margie
*Vascular Dysfunction in Maternal Heart Disease & Its Contribution to Adverse Pregnancy Outcomes*

Joza, Jacqueline (Ottawa Health Research Institute)
Co-PI: Verma, Atul
*LEFT HF: LEFT Bundle Pacing vs Standard RV Pacing for Heart Failure*

Khoury, Michael (University of Alberta)
*High Intensity Interval Training in Youth with Congenital Heart Disease: A Randomized Controlled Trial of a Novel Telemedicine Video Game-Linked Exercise Platform*
Lopashuk, Gary (University of Alberta)
Branched chain amino acid contribution to cardiac insulin resistance in heart failure

Mak, Susanna (Samuel Lunenfeld Research Institute of Mount Sinai Hospital)
Hemodynamic Testing Strategies to Assess Pulmonary Hypertension and Right Ventricular Function in Heart Failure Patients

Marelli, Ariane (McGill University Health Center Research Institute)
Co-PI: Yang, Yi
Heart Failure Trajectory Along the Care Continuum for Congenital Heart Disease Patients Across the Lifespan

Martel, Catherine (Montreal Heart Institute)
Targeting the lymphatic network: a new potential path to reduce the risk of cardiovascular disease in postmenopausal women

Mequanint, Kibret (University of Western Ontario)
Clinically relevant engineered human vascular tissues to study disease and therapy

Murphy, Timothy (University of British Columbia)
Enabling high-throughput and sensitive stroke assessment using water reaching in mouse models.

Ni, Heyu (St. Michael's Hospital)
The PSI domain of β3 integrin: A novel mechanism and target for anti-thrombotic therapy

Patterson, Kara (University Health Network)
A post-stroke rehabilitation intervention for the persistent problem of temporal gait asymmetry.

Pyle, W. (University of Guelph)
Changes in susceptibility to pathological stressors in a murine model of menopause

Ramachandran, Rithwik (University of Western Ontario)
Targeting Transient Receptor Potential Vanilloid-4 (TRPV4) to aid recovery following ischemic stroke.

Sapieha, Przemyslaw (Université de Montréal)
Components of sterile inflammation in vascular remodelling

Steinback, Craig (University of Alberta)
Co-PI: Cooke, Christy-Lynn
Influence of advanced maternal age on cardiovascular structure, function and control

Werstuck, Geoff (McMaster University)
Arterial Hypoxia in Diabetic Atherogenesis

Yokota, Toshifumi (University of Alberta)
Use of a T cell-derived peptide for delivery of antisense oligos to treat cardiomyopathy in muscular dystrophy