



## **Cœur + AVC** **Bénéficiaires de subventions de recherche 2021/2022**

**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 Allosteric 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*



**Lopaschuk, 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  $\beta 3$  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*