

3rd Muscle Health Awareness Day - Poster Presentations

Poster #	First Author (last name)	Title	University affiliation
1	Abbasi	Generation and characterization of ERp44 (TXND4) knockout/knockin mice to study the role of ERp44 in Ca ²⁺ signaling and ER stress in the heart	University of Toronto
2	Alibhai	Circadian Control of Innate Immune Responses and Cardiac Remodeling Post Myocardial Infarction	University of Guelph
3	Allwood	Obesity-induced respiratory muscle dysfunction	University of Guelph
4	Anderson-Jenkins	Validating Turbidity Assay Analysis in Determining Cardiac Myosin Binding Protein-C Interactions with Myosin	University of Guelph
5	Beaudoin	Resveratrol induces key molecular markers of glyceroneogenesis in rat epididymal white adipose tissue explants, independent from modulation of lipolysis	University of Guelph
6	Bloemberg	Skeletal muscle of hypertensive rats display an increase in autophagy-related cellular signalling	University of Waterloo
7	Boyd	The impact of interval intensity in overweight young men	Queen's University
8	Carter	Profiling Mitochondrial Turnover in Aged Skeletal Muscle: Mitophagy Arrested?	York University
9	Chinnappareddy	Time of Day Dependence of Cardiac Gene and Protein Response, Serum Cytokines, and Cardiac Function Following Acute Myocardial Infarction in Mice	University of Guelph
10	Corso	The development of diaphragmatic dysfunction in the AMI model of heart failure in the absence of mechanical stimulus	University of Guelph
11	Dahari	Effects of point mutations in Alpha-cardiac Actin Protein Associated with Cardiomyopathies	University of Guelph
12	Edgett	Very short duration high intensity interval training improves aerobic fitness and induces mitochondrial biogenesis	Queen's University
13	Foster	Respiratory Muscle Dysfunction Progressively Develops with Specific Contractile Impairments in the Absence of Pulmonary Edema in Mice with Heart Failure	University of Guelph
14	Gamu	Sarcolipin and phospholamban protect sarco(endo)plasmic reticulum Ca ²⁺ -ATPase function during heat shock	University of Waterloo

15	Gianforcaro	Cholecalciferol supplementation at 50 fold the adequate intake slows paw grip endurance deterioration but could be toxic for females in the G93A mouse model of amyotrophic lateral sclerosis	York University
16	Gillen	Low-Volume High-Intensity Interval Training Reduces Abdominal Adiposity and Increases Lean Mass in Overweight Women	McMaster University
17	Graham	Effects of Creatine Supplementation on Muscle Damage and Repair Following Eccentrically-induced Damage	Wilfrid Laurier University
18	Hong	Can eHSP72 Alter Aortic Tension?	University of Toronto
19	Kerr	Effects of phosphatidylinositol 3-kinase isoform inhibitors on myocardial ischemia-reperfusion recovery	York University
20	Ludzki	Low-volume high-intensity interval training in the fed versus fasted state: effects on insulin sensitivity	McMaster University
21	MacDonald	Interleukin-6 is necessary for normal signaling in epinephrine and exercise-stimulated lipolysis in skeletal muscle	University of Guelph
22	MacPherson	Skeletal muscle contraction uncouples interaction between PLIN2 and ATGL	Brock University
23	McMillan	Exercise training alters autophagy and reduces proteolytic enzyme activity in spontaneously hypertensive rats	University of Waterloo
24	Milionis	Vitamin D3 deficiency influences skeletal muscle troponin-C and alpha-actin in the transgenic G93A mouse model of ALS	York University
25	Parkhomenko	Dietary D3 supplementation at 50x the AI increases contractile protein content and improves mitochondrial oxidative capacity in the transgenic G93A mouse model of ALS: a pilot study	York University
26	Patel	The Roles of Glycogen synthase kinase-3 (GSK-3) genes in Metabolic Zonation, Cell Fate and Development of Hepatocellular Carcinoma	University of Toronto
27	Podobed	Discovery of the Circadian Cardiac Proteome by Two-Dimensional Difference in Gel Electrophoresis and Mass Spectrometry	University of Guelph
28	Ritchie	Rapid loss of adiponectin-stimulated fatty acid oxidation with a high fat diet is not due to altered muscle redox state	University of Guelph
29	Scribbans	Heart rate during basketball game play and volleyball drills accurately predicts oxygen uptake and energy expenditure	Queen's University
30	Shahzad	Transmyocardial revascularization induces mesenchymal stem cell engraftment in infarcted hearts	University of Toronto

31	Sinclair	A proteomic assessment of cardiac contractile proteins in dogs with hereditary dilated cardiomyopathy	University of Guelph
32	Singh	Ultrasound-mediated microRNA delivery using microbubbles to prevent neointima hyperplasia	University of Toronto
33	Slopack	FoxO1 and FoxO3a are involved in the regulation of exercise induced angiogenesis	York University
34	Smith	Basal cytosolic Ca ²⁺ is elevated during posttetanic potentiation, but Ca ²⁺ transients are not altered	University of Waterloo
35	Solomon	Muscle weights positively correlate with age at disease onset in the G93A mouse model of ALS	York University
36	Stefanyk	Fatty acid transport proteins are chronically increased, but display resistance to insulin-induced translocation to both the sarcolemma and transverse-tubules in obese Zucker rats	University of Guelph
37	Szigiato	Leucine Supplementation and Voluntary Wheel Running Increase mTORC1 Activation but do not Attenuate Loss of Muscle Mass in Partially Pancreatectomized Rats	York University
38	Thomas	AMPK B1B2 knock out mice have altered muscle morphology and lipid content	McMaster University
39	Totosy de Zepetnek	Superficial femoral artery endothelial responses to a short-term retrograde flow intervention in healthy men	McMaster University
40	Tsimakouridze	The Mammalian Chromosome Reveals Novel Biomarkers of Heart Disease in Pressure Overload Induced Cardiac Hypertrophy in Mice	University of Guelph
41	Uchida	Myocyte-derived VEGF regulates adaptations to increased, but not decreased blood flow in the skeletal muscle vasculature	York University
42	Wang	Genetic Disruption of Erp44 enhances ER stress associate genes expression and hypertrophic cardiomyopathy in mice and Zebrafish	University of Toronto
43	White	Skeletal Troponin I - Time to Meet Your Marker	University of Guelph
44	Williams	Acute hormonal influence on cardiorespiratory measures following a single bout of endurance and high intensity interval exercise	Queen's University
45	Zhang	Mitochondrial protein import in skeletal muscle of wild type (WT) and Bax/Bak knockout (DKO) mice: The non-apoptotic role of Bax and/or Bak	York University