11th Annual Muscle Health Awareness Day Program

Friday May 22, 2020

From York University via ZOOM

Session 1: Skeletal Muscle

Session Chair: Dr. David A. Hood

9:00-9:05 – Dr. David Hood, *York University*
Welcome and Introduction

9:05-9:35 – Dr. Imed Gallouzi, *McGill University*
The role of the RNA Binding Protein HuR in muscle function and integrity: new avenue to treat disease-induced muscle wasting.

9:35-10:05 – Dr. Jacob Haus, *University of Michigan*
Enzymes for Dicarbonyl Detoxification in Skeletal Muscle are Attenuated with Obesity and Diabetes by Mechanisms of Acetylation.

10:05-10:35 – Dr. Scot Kimball, *Pennsylvania State University*
Regulation of the Mechanistic Target of Rapamycin (mTOR) as a Mechanism for Modulating Protein Synthesis in Skeletal Muscle.

10:35 – 10:45 Break

Session Chair: Dr. Arthur Cheng

10:45 – 11:05 - Four (4) Abstract Presentations, 5 mins per Abstract
(3 min presentations + 2 mins questions)

11:05-11:20 – Dr. Sally A Miller, *Advanced Biosystems Specialist, Nikon Instruments Inc.*
Live Cell Imaging; Nikon's approach to Gentle, Fast, and Flexible Confocal Systems

Session 2: Muscle Physiology

Session Chair: Ms. Heather Johnston

11:20-11:50 – Dr. Sunita Mathur, *University of Toronto*
Sarcopenia in chronic lung disease: evaluation and relationship to health outcomes

11:50-12:20 – Dr. Sherry Grace, *York University*
Knowledge Translation and Implementation Science in Cardiac Research

12:20 – 12:30 Break

Session Chair: Dr. Ali Abdul-Sater

12:30-12:50 - Four (4) Abstracts presentations, 5 mins per Abstract
(3 min presentations + 2 mins questions)

12:50-1:05 – Dr. Natalia Fedianina, *Flow Cytometry Consultant, Beckman Coulter Life Sciences*
Applications of Flow Cytometry in Muscle Health Research

Session 3: Cardiovascular Physiology

Session Chair: Dr. Heather Edgell

1:05-1:35 – Dr. Philip J. Millar, *University of Guelph*
Regulation of muscle sympathetic nerve activity during exercise.

1:35-2:05 – Dr. Kimberly Dunham-Snary, *Queen's University*
Mitochondrial-nuclear genetic interaction in health and disease.

2:05-2:35 – Dr. Richard L. Hughson, *University of Waterloo*
Effect of spaceflight on astronaut vascular and cardiometabolic health. Results from the Vascular Series Experiments

2:35-2:40 – Acknowledgment of Student Abstract Awards and Adjournment