

Michigan Physiological Society 6th Annual Meeting - Oral Abstract Speaker List

Thursday, June 27

4:15PM – 5:15PM

Oral Abstract Session #1 – Heart and Circulatory Physiology

Moderators: Emily Cook, Michigan Technological University
Tang-Dong Liao, Henry Ford Health System

- 4:15PM Lyndsey Matus, Wayne State University
“Sex-Related Differences in Sympathetic Nerve Activity Following Activation of the Rostral Ventrolateral Medulla”
- 4:30PM Ian Greenlund, Michigan Technological University
“Alpha Intrusion during Rapid Eye Movement (REM) and K Complexes in Stage Two Sleep Increases Blood Pressure”
- 4:45PM Laura Chambers, Michigan State University
“Sex Differences in the Response to Angiotensin II-Induced Hypertension”
- 5:00PM Joseph Mannozi, Wayne State University
“Control of Ventricular-Vascular Coupling During Exercise in Heart Failure by the Muscle Metaboreflex and Arterial Baroreflex”

Friday, June 28

8:30AM – 9:30AM

Oral Abstract Session #2 – Neurophysiology

Moderators: Tomas Barrett, Central Michigan University
Maggie Patterson, Alma College

- 8:30AM Stephanie Morgan, Wayne State University
“Effects of Genetic Variation in the PACAPergic System on Functional Organization in the Limbic System of Youth”
- 8:45AM Ryan Welchko, Central Michigan University
“Liraglutide Reduces High Fat/High Sucrose Diet-Induced Brain Inflammation”
- 9:00AM Jeremy Bigalke, Michigan Technological University
“The Orexin System in DOCA-Salt Hypertension: Regulation of Vasopressin”
- 9:15AM Paul Morrison, Wayne State University
“Measuring Action Potential Frequencies in Sympathetic Nerves: Understanding Sex-Dependent Changes in Sympathoexcitation”

11:30AM – 12:30PM

Oral Abstract Session #3 – Lung Cellular and Molecular Physiology

Moderators: Guodong Pan, Henry Ford Health System
Mikaela Gabler, Central Michigan University

11:30AM Joshua Gonzalez, Michigan Technological University
“Acute Effects of Vaporized Nicotine on Hemodynamics and Autonomic Regulation”

11:45AM Tanwir Hashem, Michigan State University
“CD2 Regulates Pathogenesis of Asthma Induced by House Dust Mite Extract”

12:00PM Joseph Reed, Central Michigan University
“Absence of Gasping Breaths and Failure of Respiratory Autoresuscitation in Neonatal Rats Studied Under Ethyl Carbamate (Urethane) Anesthesia”

12:15PM Olesya Didyuk, Wayne State, University
“Sex-Specific Metabolic Imbalance and Hypothalamic Inflammation Triggered by Low-Grade Benzene Exposure”

2:30PM – 3:30PM

Oral Abstraction Session #4 – Regulatory, Integrative, and Comparative Physiology

Moderators: John Andraka, Central Michigan University
Hannah Cunningham, Michigan Technological University

2:30PM Keeler Steele, Michigan State University
“Student’s Perceptions of professional Skill Competencies Improved by Participating in PSL 475L Capstone Laboratory in Physiology”

2:45PM Samerender Nagam Hanumantharao, Michigan Technological University
“Design and Fabrication of Customized Wound Healing Patches for Tissues”

3:00PM Annika Lintvedt, Michigan State University
“Pannexin Channels and Their Role in Gut Physiology and Pathophysiology”

3:15PM Cesar Barrabi, Wayne State University
“Glucotoxicity Causes Downregulation of Bip’s Co-Chaperone Sil1 in INS1 Beta Cells”