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 Mannozzi, 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
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 Gasp 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”