Schedule of Events

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**Schedule of Events**

9:00 - 9:45  Continental Breakfast/Social (+ registration)

9:45 - 10:00  **Opening Remarks (mophys President & APS President)**
Darla Tharp, PhD & Rick Samson, PhD

**Session 1**  *Introduction by Kyle McCommis, PhD (mophys President-Elect)*

10:00 - 11:00  **Keynote:** Hepatic metabolism: the center of metabolic protection associated with exercise and fitness
John Thyfault, PhD - University of Kansas Medical Center

11:00 - 11:15  Break/Social

**Session 2**  *Chaired by Darla Tharp, PhD and Tim Ostrowski, PhD*

11:15 - 11:45  **Student Flash Talks** - 5 talks, 5 min. each
Jax Ramsey, David Johnson, Jessica Cayton, Rafael Cancado de Faria, Lucas Handlin

11:45 - 12:00  Neuronostatin induces gluconeogenic enzyme expression and glucose release in hepatocytes
Ammar E. Mahmood, PhD - Saint Louis University School of Medicine

12:00 - 12:15  Disuse-induced muscle atrophy leads to dysregulated iron homeostasis and AD-like pathology in the hippocampus of female rats
Nathan Kerr, PhD - University of Missouri

12:15 - 2:15  Lunch & Poster Session

  *Poster group A (odd #s):*  12:35 - 1:25 pm
  *Poster group B (even #s):*  1:25 - 2:15 pm
2:15 - 2:35  
**Update / Q&A: Physiology Rigor/Reproducibility**
Kyle McCommis, PhD, Rick Samson, PhD, and Vincenza Cifarelli, PhD

**Session 3**  
Chaired by Jeffrey Henegar, PhD & Haley Anderson, MS

2:35 - 2:50  
**Exploring the potential for branched chain keto-acids to inhibit the mitochondrial pyruvate carrier**
Thiago Menezes, PhD - Saint Louis University School of Medicine

2:50 - 3:05  
**Rules of Physiology: Common Themes To Help Learning**
Scott Zimmerman, PhD - Missouri State University

3:05 - 3:20  
**ERbeta: A Potential Therapeutic Target to Improve Fat Cell Metabolism**
Vicky Vieira-Potter, PhD - University of Missouri

3:20 - 3:30  
Break/Social

**Session 4**  
Chaired by Kevin Cummings, PhD & Nicole Nichols, PhD

3:30 - 3:45  
**Implementation of randomized frequent testing in Anatomy & Physiology I**
Andrew Linsenbardt, PhD - Missouri Valley College

3:45 - 4:00  
**GABAAR-delta-subunit mediates increased GABAergic inhibition in cardiac DMV neurons after high-fat diet**
Yoko Brigitte Wang, PhD - University of Missouri

4:00 - 4:30  
**Business Meeting & Poster Awards**

*End of meeting*
This event is made possible with the help of the following sponsors:

- Saint Louis University School of Medicine
- Department of Biochemistry & Molecular Biology
- Department of Pharmacology & Physiology
- Office of the Vice President of Research
- Department of Molecular Microbiology & Immunology

- Department of Cell Biology & Physiology

THANK YOU!