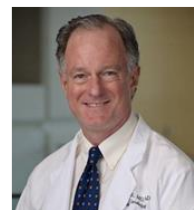


AGENDA

2021 Annual Meeting of the Midlands Society of Physiological Sciences Webinar Meeting October 23, 2021 (Saturday)

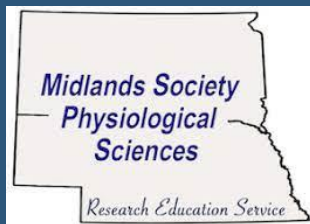
Morning Sessions

- 8:30 - 9:00 AM Welcome and Opening Remarks- Introduction to the Keynote Speaker
- 9:00 AM - 10:00 AM **Keynote Speaker Dr. Joseph A. Hill, M.D., Ph.D.**
HFpEF: Malady, Model, and Meta-inflammatory Mechanisms
- 10:00 - 10:05 AM Vendor Presentation (Fujifilm Visual Sonics)
- 10:10 - 10:25 AM Postdoctoral Fellow Oral Presentation by Dr. Rahul Kaklij
Developing a mouse model to test the impact of metabolic syndrome on Lupus-induced organ damage
- 10:30 - 10:45 AM Postdoctoral Fellow Oral Presentation by Dr. Madan Kumar Arumugam
Loss of phosphatidylethanolamine methyltransferase promotes liver fibrosis In Mice
- 10:45 - 10:50 AM Vendor Presentation (Charles River)
- 10:55 - 11:10 AM Graduate Student Oral Presentation by Tyler Kambis
MiR-133a overexpression prevents ferroptotic cell death in the diabetic heart
- 11:15 - 11:30 AM Graduate Student Oral Presentation by Liz Pekas
Impacts of microcirculatory dysfunction on skeletal muscle mitochondrial function and oxygen utilization in Peripheral Artery Disease
- 11:35 - 11:50 AM Graduate Student Oral Presentation by Linda Berg Luecke
Cell surface phenotyping of human heart reveals cardiomyocyte-specific targets and surfaceome dynamics of explanted cardiac fibroblasts
- 11:50 - 12:35 PM Lunch Break



Afternoon Session

- 12:35 - 12:40 PM Vendor Presentation (DSI)



- 12:45 – 1:00 PM Graduate Student Oral Presentation by Mingqi Cai
Soluble guanylate cyclase activation increases proteasome activities and protects against proteotoxicity in cardiomyocytes
- 1:05 – 1:20 PM Graduate Student Oral Presentation by Samiksha Giri
CSN5-mediated nuclear exclusion of P27 in VSMC contributes to exacerbation of neointimal hyperplasia by CSN8 hypomorphism
- 1:20 - 1:25 PM Vendor Presentation (Ad Instruments)
- 1:30- 1:45 PM Undergraduate Student Oral Presentation by Lucas Wang
Overexpression of skeletal muscle Nrf2 protects against aging-associated dysfunction in skeletal muscle and heart
- 1:50-2:05 PM Undergraduate Student Oral Presentation by Tiffany Knecht
Constrictor responses of cerebral resistance arterioles in male and female rats exposed to alcohol prenatally
- 2:05- 2:10 PM Vendor Presentation (Beckman Coulter)
- 2:15- 2:20 PM High School Award recipient presentation by Reema Guda
COVID-19: In-depth analyses of coronavirus mutations and their implications
- 2:25- 2:30 PM High School Award recipient presentation by Anuj Singh
The role of oxidative stress in mediating the effects of gut dysbiosis on host health
- 2:30- 2:35 PM Break
- 2:35 PM - 3:35 PM** **Local Speaker Dr. William Chen, M.D., Ph.D.**
Next-Generation Cardiovascular Regenerative Medicine and Engineering
- 3:40 - 4:20 PM Award Announcement and Closing Remarks
- 4:20 PM Adjourn
- 4:20- 5:00 PM Business Meeting

