

MADISON SCHOLARS SYMPOSIUM PROGRAM

NRSA T32 Kirschstein Scholars

Featuring the Biology of Aging and Age-Related Diseases, Metabolism and Nutrition, Endocrinology and Reproductive Physiology, Molecular and Cellular Pharmacology Training Program

May 19, 2021 1:00-4:00pm [Join meeting](#)

Zoom Meeting ID: 973 0106 2970 Meeting password: 911733

1:00pm – Welcome!

- 1:05 *Longitudinal antibody profiles in SARS-CoV-2 convalescent serum***
Maya Amjadi – Department of Medicine
- 1:20 *Unraveling mitochondrial respiratory complex I assembly through complexome profiling***
Andrew Sung – Biomolecular Chemistry
- 1:25 *Maternal sleep disordered breathing during pregnancy is a previously unrecognized facilitator of autism-relevant neuronal and behavioral aberrations in the offspring***
Amanda Vanderplow – Comparative Biosciences
- 1:40 *Integrating subclonal response heterogeneity to define cancer organoid sensitivity***
Jeremy Kratz, MD – Department of Medicine
- 1:45 *Adiponectin receptor activation impacts skeletal muscle aging in mice***
Katie Osterbauer – Nutritional Sciences
- 2:00 *Investigating the roles of brain-derived neurotrophic factor, cardiorespiratory fitness, and sleep in preclinical Alzheimer's disease***
Kyle Edmunds, PhD – Department of Medicine
- 2:05 *Geriatric mice are leaner and have improved glucose tolerance after dietary isoleucine restriction***
Yang Yeh, PhD – Department of Medicine
- 2:20 *ATase inhibition resolves age-associated proteotoxicity of the secretory pathway***
Maeghan Murie-Mazariegos – Department of Medicine
- 2:25 *15-Minute Break***
- 2:40 *Aggresome mediated neural stem cell activation***
Chris Morrow – Neuroscience
- 2:55 *Anthocyanin and Lycopene Contents do not Affect Beta-Carotene Bioefficacy from Multicolored Carrots (*Daucus carota L.*) in Male Mongolian Gerbils***
Kayla Kaeppler – Nutritional Sciences
- 3:00 *Investigating the function of GPR132 (G2A) in wound healing and infection***
Taylor Schoen – Medical Microbiology & Immunology
- 3:15 *Peripartal sertraline's effects on maternal and fetal bone health***
Celeste Sheftel – Nutritional Sciences
- 3:20 *Associations of amyloid, tau, and neurodegeneration cerebrospinal fluid biomarkers and longitudinal cognitive decline in preclinical Alzheimer's disease***
Karly Cody – Department of Medicine
- 3:35 *Heightened GIP responsiveness in aged alpha-cells***
Hannah Foster, PhD – Department of Medicine
- 3:40 *Erythrocytes as a biomarker source for Alzheimer's disease***
Jericha Mill – Chemistry

3:55

Closing Remarks



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