



Graduate Student Research Showcase

Monday, October 31st, 2022

A Zoom link and password for Showcase Presentations was sent via email to the Larner College of Medicine Community.

Senior Graduate Student Division

Time	Presenter, Program & Title	Mentor, Department
10:30	<i>Introduction and welcome</i>	<i>Associate Dean, Christopher Berger, Ph.D.</i>
10:35 – 10:50	Montana Lara , Neuroscience Graduate Program “Network-based analysis predicts interacting genetic modifiers from a mouse mapping study of absence epilepsy”	Matt Mahoney, Ph.D. Neurological Sciences
10:50 – 11:05	Inessa Manuelyan , Cellular, Molecular and Biomedical Sciences “A global map of the Zika virus phosphoproteome reveals host-driven regulation of viral budding and cytopathicity”	Jason Botten, Ph.D. Immunobiology
11:05 – 11:20	Alyssa Richman , Cellular, Molecular and Biomedical Sciences “Integrative gene regulatory analysis of Ikaros tumor suppression in acute lymphoblastic leukemia”	Seth Fietze, Ph.D. Biochemistry
11:20 – 11:35	Bay Vagher , Cellular, Molecular and Biomedical Sciences “Secondary Metabolite Uridine Diphosphate Glucose (UDPG) Alters Dendritic Cell Mitochondrial Respiration via a P2Y14R/iNOS-dependent Axis”	Eyal Amiel, Ph.D. Immunology (DOM)
11:35 – 11:50	Annalis Whitaker , Cellular, Molecular and Biomedical Sciences “An agnostic interrogation of the early plasmablast repertoire from COVID-19 patients reveals broadly neutralizing SARS-CoV-2 antibodies”	Jason Botten, Ph.D. Immunobiology
11:50 – 12:05		

Junior Graduate Student Division

Time	Presenter, Program & Title	Mentor, Department
1:30	<i>Introduction and welcome</i>	<i>Associate Dean, Christopher Berger, Ph.D.</i>
1:35 – 1:50	William Dowell , Cellular, Molecular and Biomedical Sciences “Understanding Adjuvancy in Skeletal Muscle by mRNA/Lipid Nanoparticles”	Dev Majumdar, Ph.D. Surgery
1:50 – 2:05	Soyeon Gullickson , Cellular, Molecular and Biomedical Sciences “Divergent Genetic Regulation of Nitric Oxide (NO) Production in Dendritic Cells”	Eyal Amiel, Ph.D. Immunobiology
2:05 – 2:20	Kanayo Ikeh , Cellular, Molecular and Biomedical Sciences “Unraveling the Functional Dynamics of REV1 during cancer cells' response to therapy”	Nimrat Chatterjee, Ph.D. Microbiology and Molecular Genetics
2:20 – 2:35	Zachary Miller , Cellular, Molecular and Biomedical Sciences “Targeting the XBP1/IRE1 α splicing Axis to Encode Specificity of mRNA-LNP Payload”	Dev Majumdar, Ph.D. Surgery

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Junior Graduate Student Division - *continued*

Time	Presenter, Program & Title	Mentor, Department
2:50 – 3:05	Shannon Prior , Cellular, Molecular and Biomedical Sciences “Metabolic rewiring and metastatic potential in STK11-null lung adenocarcinoma”	Paula Deming, Ph.D., M.T. Pathology and Laboratory Medicine
3:05 – 3:20	Vanessa Marascio , Medical Science “Demographic and Seasonal Factors Contributing to Accidental Opioid Fatalities: A Case Study of Vermont ”	Tom Delaney, Ph.D. Pediatrics
3:20 – 3:35	Allison Morrissey , Cellular, Molecular and Biomedical Sciences “Picking Up Hitchhikers: A Novel Mechanism of Cellular Transport”	John Salogiannis, Ph.D. Molecular Physiology and Biophysics
3:35 – 3:50	Justin Paluba , Cellular, Molecular and Biomedical Sciences “Machine learning for tau protein-protein interactions”	Christopher Berger, Ph.D. Molecular Physiology and Biophysics
3:50 – 4:05	Alicia Finney , Cellular, Molecular and Biomedical Sciences “Putative Role of KIF Motor Proteins in Arenaviral Trafficking”	Jason Botten, Ph.D. Immunobiology