**Graduate Student Research Showcase**

**Monday, October 25th, 2021**

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

### Senior Graduate Student Division

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<th>Time</th>
<th>Presenter, Program &amp; Title</th>
<th>Mentor, Department</th>
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<td>1:00 – 1:15</td>
<td><em>Introduction and welcome</em></td>
<td><em>Associate Dean Christopher Berger, Ph.D.</em></td>
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| 1:15 – 1:30 | **Erin Cullen, Neuroscience**  
“Genetic inhibition of mTORC1 or mTORC2 rescues neuronal hypertrophy but not seizures in a mouse model of Pten LOF-induced epilepsy” | Matthew Weston, Ph.D.  
Neurological Sciences                                      |
| 1:30 – 1:45 | **Jeffrey Brabec- NGP**  
“Discovering Functional Genetic Associations to AD Through a Multi-Network Re-Prioritization Approach” | Matthew Mahoney, Ph.D.  
Neurological Sciences                                      |
| 1:45 – 2:00 | **JJ Bivona- CMB**  
“Reinventing the wheel to improve voluntary exercise in mice” | Matthew Poynter, Ph.D.  
Pulmonary Disease and Critical Care                         |
| 2:00 – 2:15 | **Evan Hoffman, CMB**  
“Ex vivo human alveolar hydrogels promote iPSC-derived alveolar type 2 epithelial cell maturation and differentiation” | Daniel Weiss, M.D./Ph.D.  
Pulmonary Disease and Critical Care                         |

### Junior Graduate Student Division

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<tr>
<th>Time</th>
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| 3:00 – 3:15 | **Sebastian Duno-Miranda, CMB**  
“β-Cardiac Myosin Mutations in Dilated Cardiomyopathy” | David Warshaw, Ph.D.  
Molecular Physiology and Biophysics                      |
| 3:15 – 3:30 | **Hannah Despres**  
“SARS-CoV-2 variants Delta and Epsilon have higher infectivity when measured from clinical samples” | Emily Bruce, Ph.D.  
Microbiology and Molecular Genetics                      |
| 3:30 – 3:45 | **Allison Morrissey, CMB**  
“Histidine 292 of the MutY DNA Glycosylase Plays an Important Role in DNA Scanning Mechanisms on Damaged and Undamaged DNA Substrates” | Andrea Lee, Ph.D.  
Microbiology and Molecular Genetics                      |
| 3:45 – 4:00 | **Mona Ruban, CMB**  
“REDOX REGULATION OF INFLUENZA NEURAMINIDASE BY PROTEIN DISULFIDE ISOMERASE” | Vikas Anathy, Ph.D.  
Pathology and Laboratory Medicine                        |
| 4:00 – 4:15 | **Kiera Malone, CMB**  
“Learning to read: Investigation into bromodomain interactions with the histone code” | Karen Glass, Ph.D.  
Pharmacology                                              |
| 4:15 – 4:30 | **Bryn Loftness, Public Health**  
“Developing Novel Techniques for Assessment and Digital Phenotyping of Childhood Internalizing Disorders” | Ryan McGinnis, Ph.D.  
Biomedical Engineering, and Ellen McGinnis, Ph.D.  
Psychiatry                                              |