



Graduate Student Research Showcase

Monday, October 25th, 2021



The University of Vermont
LARNER COLLEGE OF MEDICINE

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

Junior Graduate Student Division

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