



**Graduate Student
Trainee Research Showcase**

Wednesday, November 4, 2020



The University of Vermont
LARNER COLLEGE OF MEDICINE

To attend any of the presentations listed below, you may attend via Zoom at:

<https://uvmcom.zoom.us/j/99519944871?from=addon>

Junior Graduate Student Division		
Time	Presenter, Program & Title	Mentor, Department
9:00-9:15	Amanda Sidwell- NGP "Traumatic brain injury: impact on small cerebral vessels"	Kalev Freeman, M.D., Surgery
9:15-9:30	Jeff Brabec- NGP "System-level analysis of Alzheimer's disease prioritizes candidate genes for neurodegeneration"	Matthew Mahoney, Ph.D., Neurological Sciences
9:30-9:45	Montana Lara- NGP "Systems Genetics of Tuberous Sclerosis Complex"	Matthew Mahoney, Ph.D., Neurological Sciences
9:45-10:00	Melissa Boucher- NGP "The role of PACAPergic PBN projections to the BNST in stress and anxiety "	Jom Hammack, Ph.D., Psychological Sciences and Victor May, Ph.D., Neuological Sciences
10:00-10:15	Levi Bonnell, MPH- CTS "Nonlinear relationship between the natural environment and health among primary care patients with multiple chronic conditions"	Benjamin Littenberg, M.D., Medicine – General Internal
Senior Graduate Student Division		
Time	Presenter, Program & Title	Mentor, Department
2:00-2:15	Annalis Norman- CMB "An agnostic approach to map the human anti-SARS-CoV-2 antibody repertoire"	Jason Botten, Ph.D., Immunology

2:30-2:45	Alex Thompson- CMB <i>"Pathogenic Mutations in the Chromokinesin KIF22 Disrupt Anaphase Chromosome Segregation"</i>	Jason Stumpff, Ph.D., Molecular Physiology and Biophysics
2:45-3:00	Leslie Sepaniac- CMB <i>"Micronuclei in Kif18a knockout mice form stable micronuclear envelopes and do not drive tumorigenesis"</i>	Jason Stumpff, Ph.D., Molecular Physiology and Biophysics
3:00-3:15	Cole Davidson- CMB <i>"Targeting Glycogen Metabolism as a Novel Therapeutic Approach in Anaplastic Thyroid Cancer"</i>	Frances Carr, Ph.D., Pharmacology
3:15-3:30	Kathryn Svec- CMB <i>"Crosstalk between Focal Adhesion Kinase/Src and cAMP Dependent Protein Kinase signaling pathways in cellular migration"</i>	Alan Howe, Ph.D., Pharmacology
3:30-3:45	Lucy Pilcher- CMB <i>"Non-coding RNA Snord116 regulates cardiac remodeling after myocardial infarction"</i>	Jeff Spees, Ph.D., Medicine – Vascular Biology
3:45-4:00	JJ Bivona- CMB <i>"Macrophages Augment the Muscle Inflammatory Response Through TNFα Following Acute Lung Injury"</i>	Matthew Poynter, Ph.D., Pulmonary Disease and Critical Care
2:15-2:30	Alisa Cario- CMB <i>"Novel Effect of Tau N-Terminal Mutation, R5L, on Microtubule Mediated Condensation"</i>	Christopher Berger, Ph.D., Molecular Physiology and Biophysics