



Graduate Student and Postdoctoral Trainee Research Showcase

Friday, November 10th, 2017



The University of Vermont
LARNER COLLEGE OF MEDICINE

Senior Graduate Student Division – HSRF 400

Time	Presenter & Title	Mentor, Department (Program)
1:15-1:30	Dominique Lessard <i>"Novel Kinesin-3 Motor Behavior Is Regulated By Tau"</i>	Christopher Berger, Ph.D., Molecular Physiology & Biophysics (CMB)
1:30-1:45	Md Mahmudul Hasan Alvee <i>"Tissue invasion by Entamoeba histolytica: A concerted model of amebic actin polymerization and the host's extracellular matrix degradation"</i>	Christopher Huston, M.D., Medicine- Infectious Disease (CMB)
1:45-2:00	Riley St. Clair <i>"Fyn-dependent phosphorylation of PlexinA receptors is essential for zebrafish eye development"</i>	Bryan Ballif, Ph.D., Biology (NGP)
2:00-2:15	Devin Champagne <i>"ABC transporter mediated chemoresistance is fueled by mitochondrial metabolism"</i>	Mercedes Rincon, Ph.D., Medicine- Immunobiology (CMB)
2:15-2:30	Eric Bolf <i>"Thyroid Hormone Mediated Suppression of the Oncogene RUNX2 in Breast via Thyroid Hormone Receptor Beta"</i>	Fran Carr, Ph.D., Pharmacology (CMB)

Junior Graduate Student Division – HSRF 400

Time	Presenter & Title	Mentor, Department (Program)
2:30-2:45	Mingu Kang <i>"Bivalent Histone Modifications: A Potential Marker and Therapeutic Target to Inhibit Breast Cancer Cell Plasticity"</i>	Janet Stein, Ph.D. & Jonathan Gordon, Ph.D., Biochemistry (CMB)
2:45-3:00	Patrick Mullen <i>"CMT-associated HARS mutations disrupt enzymatic activity and impair neurite outgrowth in PC12 cells"</i>	Christopher Francklyn, Ph.D. & Alicia Ebert, Ph.D., Biochemistry (NGP)

Light refreshments served from 3:00-4:00pm in the Hoehl Gallery (HSRF 100)

4:00-4:15	Joshua Rose <i>"Mitotic Gene Bookmarking by RUNX1 in MCF10A Breast Epithelial Cells"</i>	Kaleem Zaidi, Ph.D. & Gary Stein, Ph.D., Biochemistry (CMB)
4:15-4:30	Princess Rodriguez <i>"IKAROS establishes an epigenetic program required for proper two-signal activation of naïve B-cells"</i>	Seth Fietze, Ph.D., Medical Laboratory & Radiation Sciences (CMB)

4:30-4:45	Jamie Deutsch <i>"Cross Talk between IKAROS and RUNX1 in Myeloid Leukemia"</i>	Jessica L. Heath, M.D., Peds-Hematology Oncology (CMB)
4:45-5:00	Noelle Gillis <i>"Thyroid Hormone Receptor Beta (TRβ) Mediates Brahma Related Gene 1 (BRG1, SMARCA4) Dependent Chromatin Remodeling in Thyroid Cancer"</i>	Fran Carr, Ph.D., Pharmacology (CMB)
5:00-5:15	Nathan Dow <i>"Thrombin Generation Correlates with Fibrinolysis Phenotype after Trauma"</i>	Kalev Freeman, M.D., Ph.D., Medical Science (MMS)
5:15-5:30	Alisa Cario <i>"The Link Between Structure and Function in Microtubule Associated Protein Tau"</i>	Christopher Berger, Ph.D., Molecular Physiology & Biophysics (CMB)
5:30-5:45	Leslie Sepaniac <i>"Different Mechanisms of Micronucleus Formation and Impact to Genomic Stability"</i>	Jason Stumpff, Ph.D., Molecular Physiology & Biophysics (CMB)
5:45-6:00	Alex Thompson <i>"Post-translational Modification of the Kinesin Motor Eg5 Alters its Function in Mitosis"</i>	Jason Stumpff, Ph.D., Molecular Physiology & Biophysics (CMB)

Postdoctoral Trainee – HSRF 300

Time	Presenter & Title	Mentor, Department
2:00-2:15	Ubong Peters, Ph.D. <i>"The Role of Pulmonary Airway Collapse in the Pathogenesis of Obese Late-Onset Nonallergic Asthma"</i>	Anne Dixon, M.D. & Jason Bates, Ph.D., Medicine-Pulmonary
2:15-2:30	Juan Uriarte, Ph.D. <i>"De- and Recellularization of Avian Lungs: Exploring New Frontiers for Lung Bioengineering"</i>	Daniel Weiss, M.D., Ph.D., Medicine-Pulmonary
2:30-2:45	Franziska Uhl, Ph.D. <i>"Identification of potential treatment targets for COPD by mass spectrometry-based proteomics"</i>	Daniel Weiss, M.D., Ph.D., Medicine-Pulmonary
2:45-3:00	Xun Chen, Ph.D. <i>"Identifying and characterizing novel viral integrations in hepatocellular carcinoma genomes by virome-wide analysis of whole-genome sequencing data"</i>	Dawei Li, Ph.D., Microbiology & Molecular Genetics

Light refreshments served from 3:00-4:00pm in the Hoehl Gallery (HSRF 100)

4:00-4:15	Gabriela Bucini, Ph.D. <i>"Protecting herd health: Interactive agent-based modeling used to reduce the impact of disease in livestock industries"</i>	Scott Merrill, Ph.D., Plant Soil Science
4:15-4:30	Irene Pericot-Vaverde, Ph.D. <i>"Effects of an acute psychological stress on craving, stress, and reinforcing value of e-cigarettes"</i>	Diann E. Gaalema, Ph.D., Psychiatry
4:30-4:45	Andrew Fritz, Ph.D. <i>"RUNX1 suppresses the breast cancer stem cell phenotype and has tumor suppressor activity in breast cancer"</i>	Gary Stein, Ph.D., Biochemistry
4:45-5:00	Kirsten M Tracy, Ph.D. <i>"Mitotically associated long non-coding RNA MANCR affects cell cycle in breast cancer"</i>	Jane Lian, Ph.D. Bryan, Biochemistry