PRESENTATION SCHEDULE

**10:00**  **Welcome and Opening Remarks by Dr. Amy Shaub Maddox – Honors Director, Department of Biology and Dr. Bob Duronio, Department of Biology, Chair**

**10:10 Introduction to MECHANISMS of DISEASE**

**10:15 Bryn Copenhaver** “The association of inflammation and carbon black uptake in sputum macrophages

following woodsmoke exposure”

**10:35 Kiana Venable**  “Amyloid precursor protein does not regulate sodium epithelial channels after

treatment with the cereblon modulator CC-90009”

**10:55 Jakub Prandota** “Cartilage-specific deletion of CCR2 amerliorates aged-induced knee osteoarthritis in in male mice”

**11:15 Alexander Grdzelishvili** “Structural and biochemical characterization of the essential lipoprotein lipase inhibitor

complex ANGPTL3/8

**2:00 Introduction to CELL BIOLOGY of DISEASE**

**2:15 Nicholas Yapundich** “Characterizations of non-cardiomyocyte populations in *ybx1* knockout zebrafish

hearts”

**2:35 Julie Nguyen** “Examining the effect of TBC1D7 depletion on neuronal migration and neural plate

organization”

**2:55 Katie King** “The impact of fibrin(ogen) conformation on the development of obesity & associated

pathologies, & macrophage effector function ”

**3:15 Sophie Silverstein** “Genetic colocalization in inflammatory bowel disease tissues to detect potentially

causal variants

**4:00 Introduction to CHROMATIN & GENE EXPRESSION**

**4:15 Mia Hoover** “Recruitment Dynamics of Transcription Elongation Factor SPT6 to the *Drosophila*

Histone Locus Body”

**4:35 Emma Kaeppler** “Mapping Meiotic Crossovers in *Drosophila* Using Indexing and Whole-Genome

Sequencing”

**4:55 Amanuel Mengistalem** “Determining the Role of PHRF1 in DNA Damage Repair”