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 PREDISPOSITION to CANCER**

**10:15 Chris Bowman** “Understanding the Biochemical Properties of Chromatin-Interacting Enzyme PHRF1”

**10:35 Karl-Julius Mueller** “Molecular Analysis of Deletions induced by Bloom Mutations”

**10:55 Grace Choi** “The Role of IL-23 in Pancreatic Tumor Environment”

**12:00 Introduction to NEUROSCIENCE**

**12:15 Greta Leitz-Najarian** “Three-Dimensional Distribution and Analysis of Gerbil Spiral Ganglion Cells”

**12:35 Erik Norloff** “Biological and Behavioral Markers of Generational Trauma”

**12:55 Kiran Kelly-Rajan “**Elucidating the Role of NLRP1 in Axon Pruning”

**2:00 Introduction to CELL & DEVELOPMENTAL BIOLOGY**

**2:15 Amirsaman Zahabioun** “Cell cycle-regulation of human embryonic stem cells upon differentiation”

**2:35 Akankshya Jena** “The roles of Nectin- 1 and Nectin- 4 in periderm development”

**2:55 Alvin Singh “**The RAMP interactome reveals a key role for MYO6 in regulating CLR-RAMP signaling”

**3:15 Eve Melbouci** “Immune response of human arganoids exposed to bacteria-causing NEC

**4:10 Introduction to CANCER BIOLOGY**

**4:15 McGuire Metts “**Histone modifier SETD2 regulates nuclear lamina integrity during mitosis”

**4:35 Amber Amparo “**Targeting mitochondrial dynamics as a therapeutic strategy for pancreatic ductal adenocarcinoma”

**4:55 Harris Davis “**Cyclin D1 overexpression as a mechanism of tamoxifen resistance in T47T breast cancer cells”