MBMSS 2020 Poster Awards

1st place awards: $500, 2nd place awards: $250, 3rd place awards: $100. Honorable Mention: $50

Undergraduate: 1st and 2nd year

1st place: Ezekiel Robinson
Low-Dose Arsenic Exposure Impacts the Expression of Orthologous Breast Cancer Associated Genes in Zebrafish Embryos

2nd place: Lauren Cusson
Epsocamisio, the Little Phage That Could (Without Integrase)

3rd place: Basel White
Wavelet-Based Automatic Pectoral Muscle Segmentation from Mammograms

Honorable Mention:

Ezekiel Robinson
Identifying potential genes of interest in Danio rerio infected with Influenza A

Remi Geohegan
ERK Activation Enhances JCPyV Infection

Anna Briley
Transcriptomic variation underlying pollution resistance in fish

Undergraduate: 3rd, 4th, and 5th year

1st place: Lily Charpentier
Characterization of ncf1 mutants in a zebrafish model of innate immune function with human influenza A virus infection

2nd place: Kodey Silknitter
Mechanisms of the Hyperinflammatory Response to Influenza Infection

3rd place: Francesca Armstrong
Utilizing primary astrocytes to characterize the host-trafficking mechanisms that are hijacked during a fatal viral brain infection

Honorable Mention:

Brittnie Hodsdon
Correlations and Discrepancies between the Genotype and Phenotype of 28 Nosocomial Pathogens

Emma Freeman
The role of the BPs immunity repressor in the regulation of pathogenic Mycobacterium chelonae gene expression

**Graduate Student**

1st place: Caitlin Waife-Kwakye

Investigating the impact of prophages on bacterial fitness in Streptococcus agalactiae

2nd place: Michael Wilczek

Determining the road map to JC Polyomavirus infection in primary astrocytes: RNA sequencing reveals important cell signaling pathways activated upon virus infection

3rd place tie: Monique Mills

The mechanisms of TAp63-dependent and -independent DNA damage response in meiotically arrested oocytes

3rd place tie: George Murray

Assessment of SIPA1L2 as a candidate modifier of CMT1A identified in human GWAS

Honorable Mention:

Colleen Mayberry

Dissecting the role of beta-arrestin in JC polyomavirus internalization

Brandi-Lee Soos

Innate Immune Response to Influenza A Viral Infection in a Zebrafish Model

Ashley Soucy

RAB27a regulation of exosome function in perivascular adipose tissue

Jaycee Cushman

Characterizing the impact of phage gene products on host fitness and virulence in non-tuberculous pathogenic Mycobacteria

Gabriel Jensen

The Meninges and Choroid Plexus are Prominent mTert-Expressing Adult Stem Cell Niches in the Mouse Brain

Christine Hale

Injury-induced nociceptive sensitization and recovery in Drosophila