

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*