## Title: The effects of the estrus stages on voluntary wheel running and anxiety in female CD-1 mice

Students: Abigail Algeiers and Emily Landry Mentor: Parrish Waters, University of Mary Washington

**Title: Fighting antibiotic resistance with phage therapy.** *Student: Jay Boudreau Mentor: Sawati Agrawal, University of Mary Washington* 

Title: Investigating the changes in morphology and composition of the duodenum in response to sodium Student: Lydia Carl

Mentor: Bisi Velayudhan, James Madison University

Title: Effects of exercise on brain-derived neurotrophic factor and cortisol on cognitive function.

Student: Cidney Collins Mentor: Parrish Waters, University of Mary Washington

Title: The effect of social isolation on depression-like behavior in mice.

Student: Dylan Crann Mentor: Parrish Waters, University of Mary Washington

## Title: The characterization of two novel calcium signaling proteins in Toxoplasma gondii.

Students: Abigail Delapenha and Emily Sizemore Mentor: Swati Agrawal, University of Mary Washington

Title: Characterizing the cutaneous microbiome of Euycea lucifuga as a potential defense against infection

Student: Madeline Key Mentor: Matthew Becker, Liberty University

## Title: Apoptosis induction in Jurkat T-lymphocytes by proton pump inhibitors (PPIs).

Student: Shreya Murali Mentor: Randall Reif, University of Mary Washington

Title: Bandaids on broken hearts: preventing protease-mediated degradation of desmoplakin with small m Student: Roujon Nowzari

Mentor: Nathan Wright, James Madison University

## Title: An inquiry into the tube-test as a measure of dominance in mice.

Student: Timothy Philbeck Mentor: Parrish Waters, University of Mary Washington

Title: Investigating antimicrobial properties of Atlantic white cedar.

Student: Alyssa Wilkinson Mentor: Janet Steven, Christopher Newport University