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 molecules.
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