



**2017 Summer Undergraduate Research Program Scholars' Final Presentations**  
**Thursday, July 27, 9 a.m., Microbial Sciences Room 6201**

- 9am – 9:15:** **Determining the role of Z-DNA binding protein in mediating necroptosis during *Toxoplasma gondii* infection.**  
Laura Lettenberger. Faculty mentor: Laura Knoll; Lab mentor: Patrick Cervantes
- 9:15 – 9:30:** **Protein Purification and Enzymatic Assay of *Toxoplasma* Lipoxygenase Candidates.**  
Lindsey Koch. Faculty mentor: Laura Knoll; Lab mentor: Sarah Wilson
- 9:30 – 9:45:** **The impact of transmission of the beneficial gut microbe *Akkermansia muciniphila* from mammals to a germ-free mouse model on quantitative growth.**  
Lindsey Winterhack. Faculty mentor: Federico Rey
- 9:45 – 10:00:** **Interleukin-10 neutralizing antibody as a dietary additive to reduce *Salmonella* and *Staphylococcus* infection in broiler chicks.**  
Henry Benchimol. Faculty mentor: Mark Cook; Lab mentor: Maria Arendt
- 10:00 – 10:15:** **Growth in the presence of bile salts and glucose increases biofilm formation in *Salmonella enterica*.**  
Jared Godfrey. Faculty mentor: Charles Kaspar; Lab mentor: Taylor Wahlig
- 10:15 – 10:30:** **Break**
- 10:30 – 10:45:** **Survival and growth of *Listeria monocytogenes* in a high-moisture model cheese made with propionic acid based on pH and moisture content.**  
Christie Cheng. Faculty mentor: Kathy Glass; Lab Mentor: Sarah Engstrom
- 10:45 – 11:00:** **Stabilization of luciferase protein in Astrovirus to improve detection and measurement.**  
Rebecca Procknow. Faculty mentor: Rob Striker
- 11:00 – 11:15:** **Characterization of the transcriptional regulator SntB in *Aspergillus nidulans*.**  
Jacob Hagen. Faculty mentor: Nancy Keller; Lab mentor: Brandon Pfannenstiel
- 11:15 – 11:30:** **Characterization of oefB governing development and metabolism in *Aspergillus*.**  
Ethan Boynton. Faculty mentor: Jae-Hyuk Yu
- 11:30 – 11:45:** **Aflatoxin B degradation by *Aspergillus oryzae*.**  
Ashley Stuckwisch. Faculty mentor: Jae-Hyuk Yu