



**2020 Summer Undergraduate Research Program Scholars' Final Presentations**  
**Tuesday, July 21, 9:00 a.m., Virtual Session**

- 9:00 – 9:15:** **Effects of obesity and subsequent weight loss on tissue fibrosis in the breast tumor microenvironment.**  
Brittney Moore. Faculty mentor: Lisa Arendt.
- 9:15 – 9:30:** **“Clean-label antimicrobials”: definitions, antimicrobial agents, inhibition effects, and the synergistic effect with other processing methods**  
Yinuo Jin. Faculty mentor: Jae-Hyuk Yu.
- 9:30 – 9:45:** **Elucidation of C-di-AMP molecular targets through bioinformatics.**  
Rowan Kulp. Faculty mentor: Tu Anh Huynh.
- 9:45 – 10:00:** **The effect of organic acid treatment on the safety and quality of fresh-cut produce inoculated with pathogenic *E. coli*, *Salmonella* spp. or *Listeria monocytogenes*.**  
Erin Springer. Faculty mentor: Barbara Ingham. Graduate mentor: Crystal Zhao.
- 10:00 – 10:15:** **Investigating *Listeria monocytogenes* as the causative agent of bovine abortions using pathology, culture, and real-time polymerase chain reaction (rt-PCR) results.**  
Emma Newton. Faculty mentor: Nicole Aulik.
- 10:15 – 10:30:** **Break**
- 10:30 – 10:45:** **Impact on pig gut microbiomes when fed conventional or organic diets.**  
Andrew Scheftgen. Faculty mentor: Garret Suen.
- 10:45 – 11:00:** **Bacterial-fungal interactions are implicated in human health and medicine, agriculture, and food production and safety.**  
Max Koss. Faculty mentor: Nancy Keller.
- 11:00 – 11:15:** **The brewing processes of malt beverages: The impact of alternate fermentation bases on the brewing industry, and potential future uses and effects of byproducts.**  
Conner Measner. Faculty mentor: Chuck Kaspar.
- 11:15– 11:30:** **Understanding the basis of *Salmonella* biofilm formation.**  
Benjamin Love-Jackson. Faculty mentor: Johanna Elfenbein.