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.