2023 Summer Undergraduate Research Program Scholars’ Final Presentations
Friday, July 28, 9:00 a.m., Microbial Sciences Room 6201
Free Zoom webinar: Register on-line: 
https://uwmadison.zoom.us/meeting/register/tJ0lceioqj4qGNQ0l0N78NgHnLZRN4w8zvJ

9:00 – 9:15: Transformation of Bacillus subtilis with DNA obtained from natural donor cell lysis to understand inherent mechanisms of beta-lactam resistance in Listeria. 
Pablo De Avila. Faculty mentors: Tu Anh Huynh and Briana Burton.

9:15 – 9:30: Investigating whether Entamoeba muris antigenic variation offers better survival within the host gut microbiome. 
Jasmine Hughes. Faculty mentor: Laura Knoll.

Analea Scott. Faculty mentor: Johanna Elfenbein.

9:45 – 10:00: Thermal inactivation of Salmonella in Plant-Based Cheese. 
Calvin Slaughter. Faculty mentor: Kristin Schill.

10:00 – 10:15: Investigating current sanitation practices in multi-species processing facilities and their ability to prevent the spread of microorganisms. 
Lauren Sroda. Faculty mentor: Vanessa Leone. 
Student stipend sponsored by Johnsonville.

10:15 – 10:30: Break

Student stipend sponsored by Dairy Farmers of Wisconsin.

10:45 – 11:00: Investigating whether coffee extracts inhibit Clostridium botulinum growth in coffee. 
Jakob Gryniewski. Faculty mentor: Kristin Schill.

11:00 – 11:15: Evaluation of the antimicrobial activity of C. Arabica at different coffee bean roast levels and identification of inhibitory compounds against Clostridium botulinum in hot brew coffee extracts. 
Juliana Obayashi. Faculty mentor: Brad Bolling.

11:15 – 11:30: Investigating the potential of Hanseniaspora as a biocontrol for the apple pathogen Penicillium expansum. 
Martijn den Boone. Faculty mentor: Nancy Keller.

11:30 - 11:45: Investigating the behavior of Staphylococcus aureus and Bacillus cereus in manufactured dough products prior to baking. 
Daniluz Schueller. Faculty mentor: Charles Kaspar.