

**ABT 395 Summer 2021 Research Presentations  
Agricultural and Medical Biotechnology Program**

August 2, 2021

- 9:50-9:55am Zoom Check-in  
9:55-10:00am Welcome and Introduction, Dr. Olga Tsyusko, Summer ABT 395 Course Coordinator
- 10:00am **Zachery Ramey** Nanobodies against D-alanine lipoteichoic acid pathway of *Staphylococcus aureus*  
*Mentor: Dr. Konstantin Korotkov, Department of Molecular and Cellular Biochemistry, UK College of Medicine*
- 10:15am **Meredith Young** Effects of phthalates on ovulatory angiogenesis  
*Mentor: Dr. Patrick Hannon, Department of Obstetrics and Gynecology, UK College of Medicine*
- 10:30am **Rachel Cooke** Visualizing barrier dysfunction using CLARITY  
*Mentor: Dr. Bjoern Bauer, Department of Pharmaceutical Sciences, UK College of Pharmacy*
- 10:45am **Amelia Floyd** Effect of varying non-structural carbohydrates on insulinemic responses in the healthy and insulin dysregulated horses  
*Mentor: Dr. Amanda Adams, Department of Veterinary Science, UK College of Agriculture, Food and Environment*
- 11:00am **Georgy Schnieders** The function of GIPC3 within the auditory system  
*Mentor: Dr. Craig Vander Kooi, Department of Molecular and Cellular Biochemistry, UK College of Medicine*
- 11:15am **Emily Melcher** Determining the presence of repeat induced point mutations in fungal genomes  
*Mentor: Dr. Mark Farman, Department of Plant Pathology, UK College of Agriculture, Food and Environment*