



2016 Summer Undergraduate Research Program Scholars' Final Presentations
Tuesday, July 26, 9 a.m., Microbial Sciences Room 6201

- 9am – 9:15: Targeting PPK1 as an effective method for treating resistant food-borne *Escherichia coli* infections.**
Rebecca Procknow. Faculty mentor: Rob Striker
- 9:15 – 9:30: Analysis of induction among Enterohemorrhagic *Escherichia coli* strains isolated from farms and stx2 prophages in an isogenic K-12 host.**
Austin Yahr. Faculty mentor: Chuck Kaspar
- 9:30 – 9:45: Analysis of fecal microbiome data to establish associations between EHEC positive, digital dermatitis negative infection status and microbiome characteristics in beef cattle**
Tiffani Turinski. Faculty mentor: Dorte Dopfer
- 9:45 – 10:00: Determination of D-value in whey of *Staphylococcus aureus*.**
Kori Scherer. Faculty mentor: Kathy Glass. Lab mentor: Brandon Wanless
- 10:00 – 10:15: Growth of *S. aureus* at optimal growth temperatures on the surface of bone-in ham.**
Makala Bach. Faculty mentor: Jeff Sindelar. Lab mentor: Russ McMinn
- 10:15 – 10:30: Break**
- 10:30 – 10:45: Engineering *Aspergillus nidulans* to produce anti-fungals and novel hybrid terpene/non-ribosomal peptide metabolites.**
Tim Seyidov. Faculty mentor: Nancy Keller
- 10:45 – 11:00: Ginsenosides Transformation with *Aspergillus Oryzae* Host Strain.**
Nara Choj. Faculty mentor: Jae-Hyuk Yu
- 11:00 – 11:15: An increase in 2,3-BPG during acute infection of a host cell invasion by *Toxoplasma gondii* is an attack mechanism of the parasite and not a defense mechanism of the host cell.**
Charlotte Urban. Faculty mentor: Laura Knoll
- 11:15 – 11:30: *Salmonella* biofilm formers are more adept at invading macrophage cells.**
Hannah Pilch. Faculty mentor: Chuck Czuprynski
- 11:30 – 11:45: Survival and Adherence of *Listeria monocytogenes* in desiccated ice cream mix on stainless steel.**
Aisha Inuwa. Faculty mentor: Chuck Czuprynski