



Summer Undergraduate Research Program in Food Safety

Summer's End Presentations

Room 6201 Microbial Sciences Building

August 6, 2013

<u>Presenter & Title</u>	<u>Start</u>	<u>End</u>	<u>Q/A Until</u>
Ben Korte <i>faculty mentor: Nancy Keller; laboratory mentor: Ali Soukup</i> Presentation: The Effects of Fungal Secondary Metabolites, Sterigmatocystin, and Asperthecin on Sporulation and Environmental Protection in <i>Aspergillus nidulans</i>	9:00	9:10	9:15
Emma Baar <i>faculty mentors: Kathy Glass and Andy Milkowski; laboratory mentor: Andy Milkowski</i> Presentation: Thermal Inactivation of <i>Listeria monocytogenes</i> in Frankfurter Batter and Links	9:15	9:25	9:30
Quinn Huibregtse <i>faculty and laboratory mentor: Kathy Glass</i> Presentation: The Effects of Curing Agents and Accelerators on Three Gram-Positive Bacteria	9:30	9:40	9:45
Chase Fredrick <i>faculty mentor: Eric Johnson; laboratory mentor: Regina Whitmarsh</i> Presentation: Characterizing <i>in vivo</i> Activity of Botulinum Neurotoxin Serotype A Subtypes 1-5	9:45	9:55	10:00
Alyssa Hangartner <i>faculty mentor: Barb Ingham; laboratory mentor: Akhila Vasan</i> Presentation: Comparative Thermal Tolerance of <i>E. coli</i> O157, <i>E. coli</i> non-O157, <i>Salmonella</i> spp., and Potential Pathogen Surrogates in Meat Systems.	10:00	10:10	10:15
10-minute break			
Dylan Braun <i>faculty mentor: Jae-Hyuk Yu; laboratory mentor: Hee-Soo Park</i> Presentation: The Effect of vosB on Aflatoxin Production and Development in <i>Aspergillus flavus</i>	10:25	10:35	10:40
Amanda Skarlupa <i>faculty mentor: Jae-Hyuk Yu; laboratory mentor: Dr. Mi-Kyung Lee</i> Presentation: The Effect of CYP Gene Deletion in <i>Aspergillus fumigatus</i> on PAH Metabolism	10:40	10:50	10:55
Joshua Lensmire <i>faculty mentor: Chuck Kaspar; laboratory mentor: Zach Pratt</i> Presentation: Investigating the Involvement of katE, sodA, and sodC in <i>Salmonella enterica</i> in Hyperosmotic Conditions	10:55	11:05	11:10
Blair Tilkens <i>faculty mentors: Jeff Sindelar and Kathy Glass; laboratory mentor: Jeff Sindelar</i> Presentation: Determining Growth of <i>Staphylococcus aureus</i> in Shelf-Stable Ready-to-Eat Meats Having Different pH and Water Activity Levels	11:10	11:20	11:25

Emily Wilson

presented 23 July 2013, due to schedule conflict

faculty mentor: Laura Knoll; laboratory mentor: Kelly Pittman

Presentation: **Generation of a non-persistent *Toxoplasma gondii* vaccine**