# Summer Undergraduate Research Program in Food Safety

**Summer's End Presentations**  
Room 6201 Microbial Sciences Building  
August 6, 2013

<table>
<thead>
<tr>
<th>Presenter &amp; Title</th>
<th>Start</th>
<th>End</th>
<th>Q/A Until</th>
</tr>
</thead>
</table>
| **Ben Korte**  
faculty mentor: Nancy Keller; laboratory mentor: Ali Soukup  
Presentation: The Effects of Fungal Secondary Metabolites, Sterigmatocystin, and Asperthecin on Sporulation and Environmental Protection in *Aspergillus nidulans* | 9:00  | 9:10  | 9:15      |
| **Emma Baar**  
faculty mentors: Kathy Glass and Andy Milkowski; laboratory mentor: Andy Milkowski  
Presentation: Thermal Inactivation of *Listeria monocytogenes* in Frankfurter Batter and Links | 9:15  | 9:25  | 9:30      |
| **Quinn Huibregtse**  
faculty and laboratory mentor: Kathy Glass  
Presentation: The Effects of Curing Agents and Accelerators on Three Gram-Positive Bacteria | 9:30  | 9:40  | 9:45      |
| **Chase Fredrick**  
faculty mentor: Eric Johnson; laboratory mentor: Regina Whitemarsh  
Presentation: Characterizing in vivo Activity of Botulinum Neurotoxin Serotype A Subtypes 1–5 | 9:45  | 9:55  | 10:00     |
| **Alyssa Hangartner**  
faculty mentor: Barb Ingham; laboratory mentor: Akhila Vasan  
Presentation: Comparative Thermal Tolerance of *E. coli* O157, *E. coli* non-O157, *Salmonella* spp., and Potential Pathogen Surrogates in Meat Systems. | 10:00 | 10:10 | 10:15     |

**10-minute break**

<table>
<thead>
<tr>
<th>Presenter &amp; Title</th>
<th>Start</th>
<th>End</th>
<th>Q/A Until</th>
</tr>
</thead>
</table>
| **Dylan Braun**  
faculty mentor: Jae-Hyuk Yu; laboratory mentor: Hee-Soo Park  
Presentation: The Effect of vosB on Aflatoxin Production and Development in *Aspergillus flavus* | 10:25 | 10:35 | 10:40     |
| **Amanda Skarlupa**  
faculty mentor: Jae-Hyuk Yu; laboratory mentor: Dr. Mi-Kyung Lee  
Presentation: The Effect of CYP Gene Deletion in *Aspergillus fumigatus* on PAH Metabolism | 10:40 | 10:50 | 10:55     |
| **Joshua Lensmire**  
faculty mentor: Chuck Kaspar; laboratory mentor: Zach Pratt  
Presentation: Investigating the Involvement of katE, sodA, and sodC in *Salmonella enterica* in Hyperosmotic Conditions | 10:55 | 11:05 | 11:10     |
| **Blair Tilkens**  
faculty mentors: Jeff Sindelar and Kathy Glass; laboratory mentor: Jeff Sindelar  

**Emily Wilson**  
faculty mentor: Laura Knoll; laboratory mentor: Kelly Pittman  
Presentation: Generation of a non-persistent *Toxoplasma gondii* vaccine  

presented 23 July 2013, due to schedule conflict