

**Haley F. Oliver, PhD**  
**Department of Food Science**  
**Purdue University**  
**West Lafayette, IN 47907**  
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**EDUCATION:**

**Cornell University** Ithaca, NY  
PhD (Food Science, food microbiology specialty; minors in Epidemiology and Microbiology) June 2009  
Dissertation: Contribution of sigma B to stress response and virulence in *Listeria monocytogenes* lineages I, II, IIIA, and IIIB

**University of Wyoming** Laramie, WY  
BS (Microbiology, Food Microbiology subspecialty; Cum Laude) May 2004  
BS (Molecular Biology; Cum Laude) May 2004

**RESEARCH EXPERIENCE AND TRAINING:**

**Purdue University** West Lafayette, IN  
Associate Professor August 2015-present  
Focus: Understanding *L. monocytogenes* and *Salmonella* prevalence and persistence in retail environments using molecular methods (e.g. whole genome sequencing); *L. monocytogenes* and *Salmonella* stress response and virulence (e.g. RNA-Seq); development of practical pathogen control strategies; food safety capacity building in Afghanistan

**Purdue University** West Lafayette, IN  
Assistant Professor June 2010-August 2015  
Focus: *L. monocytogenes* in the retail environment; *L. monocytogenes*, *Salmonella*, and *Staphylococcus aureus* stress response and virulence; food safety capacity building in Afghanistan.

**Texas Tech University** Lubbock, TX  
Adjunct Professor October 2012-present

**Cornell University** Ithaca, NY  
Postdoctoral Research Fellow with Dr. Martin Wiedmann June 2009 – May 2010  
Focus: *L. monocytogenes* in the retail environment; *L. monocytogenes* stress response and virulence

**Cornell University** Ithaca, NY  
Graduate Research Assistant with Dr. Kathryn J. Boor August 2004 – May 2009  
Focus: Stress response and other virulence characteristics of *L. monocytogenes* lineages I, II, IIIA, and IIIB

**U.S. Food and Drug Administration, Center for Veterinary Medicine** Laurel, MD  
Summer intern with Dr. Haile Yancy, Division of Animal Research Summer 2008  
Project: Developing regulatory assays using DNA barcoding

**University of Wyoming** Laramie, WY  
Undergraduate Research Assistant with Dr. Kurt Miller 2003 – 2004

## PUBLICATIONS:

### Peer Reviewed

- Y. Hong, P. J. Teska, **H. F. Oliver**. Submitted. The effects of contact time and concentration on bactericidal efficacy of three disinfectants on hard non-porous surfaces. *Am J Infect Control*.
- A. Shenoy, **H. F. Oliver**, A. Deering. 2017. *Listeria monocytogenes* internalizes in romaine lettuce grown in greenhouse conditions. *J Food Prot*. Accepted.
- M. J. Stasiewicz, **H. F. Oliver**, M. Wiedmann, H. C. den Bakker. 2015. Whole-genome sequencing allows for improved identification of persistent *Listeria monocytogenes* in food-associated environments. *Appl Environ Microbiol* 2015, 81(17):6024-6037.
- A. M Pleitner, T. K. Chapin, S. R. Hammons, A V Stelten, K. K. Nightingale, M. Wiedmann, L. M. Johnston, **H. F. Oliver**. 2015. Development and evaluation of a multi-Institutional case studies-based course in food safety. *J Food Sci Edu* 14(3):76-85.
- S. McCoy, J. W. Chang, K. McNamara, **H. F. Oliver**, and A. Deering. 2015. Quality and safety attributes of Afghan raisins before and after processing in Afghanistan. *J Food Process Preserve*. doi: 10.1002/fsn3.190
- S. R. Hammons, M. J. Stasiewicz, S. Roof, and H. F. Oliver\*. 2015. Aerobic plate counts and ATP levels correlate with *Listeria monocytogenes* detection in retail delis. *J Food Prot* doi: 10.4315/0362-028X.JFP-14-500.
- J. Wang, A. Ray, S. R. Hammons, and **H. F. Oliver**. 2015. Persistent and transient *Listeria monocytogenes* strains from retail deli environments vary in their ability to adhere and form biofilms and rarely have *inlA* premature stop codons. *Foodborne Pathogen Dis* doi: 10.1089/fpd.2014.1837
- I-H. Cho, A. D. Radadia, K. Farrokhzad, E. Ximenes, E. Bae, A. K. Singh, **H. F. Oliver**, M. Ladisch, A. Bhunia, B. Applegate, L. Mauer, R. Bashir, and J. Irudayaraj. 2014. Nano/Micro and spectroscopic approaches to food pathogen detection. *Annu Rev Anal Chem*. 7:65-88.
- A. M. Pleitner, S. R. Hammons, E. McKenzie, Y-H. Cho, and **H. F. Oliver**. 2014. Introduction of molecular methods into a food microbiology curriculum. *J Food Sci Educ* 13(4) 68-76
- C. Simmons, M. J. Stasiewicz, E. Wright, S. Warchocki, S. Roof, J. R. Kause, N. Bauer, S. Ibrahim, M. Wiedmann, and **H. F. Oliver\***. November 2014. *Listeria monocytogenes* and *Listeria* spp. Contamination patterns in retail delicatessen establishments in three US states. *J Food Prot* doi:10.4315/0362-028X.JFP-14-183
- A. M. Pleitner, V. Trinetta, M. T. Morgan, R. L. Linton, **H. F. Oliver**. 2014. Transcriptional and phenotypic response of *Listeria monocytogenes* to chlorine dioxide. *Appl Environ Microbiol* 80(9).
- L. M. Johnston, M. Wiedmann, A. Orta-Ramirez, **H. F. Oliver**, K. K. Nightingale, C. M Moore, C. D. Stevenson, and L. Jaykus. 2014. Identification of core competencies for an undergraduate food safety curriculum using a modified delphi approach. *J Food Sci Edu* 13(1)12-21.
- H. F. Oliver**, R. H. Orsi, M. Wiedmann, and K. J. Boor. 2013.  $\sigma^B$  plays a limited role in the ability of *Listeria monocytogenes* strain F2365 to survive oxidative and acid stress and in its virulence characteristics. *J Food Prot*. 76(12):2079-86
- S. Mujahid, T. M. Bergholz, **H. F. Oliver**, K. J. Boor, and M. Wiedmann. 2012. Exploration of the role of the non-coding RNA SbrE in *L. monocytogenes*. *Intl J Molecul Sci*. Epub doi: 10.3390/ijms130x000x.

- K. Hoelzer, **H. F. Oliver**, L. Kohl, J. Hollingsworth, M. T. Well, and M. Wiedmann. 2011. Structured expert elicitation about *Listeria monocytogenes* cross-contamination in the environment of retail deli operations in the United States. *Risk Anal.* Epub doi: 10.1111/j.1539-6924.2011.01729.x
- K. Hoelzer, B. D. Sauders, M. D. Sanchez, P. T. Olsen, M. M Pickett, K. J. Mangione, D. H. Rice, J. Corby, S. Stich, E. D. Fortes, S. E. Roof, Y. T. Grohn, M. Wiedmann, and **H. F. Oliver**. 2011. Prevalence, distribution, and diversity of *Listeria monocytogenes* in retail environments, focusing on small establishments and establishments with a history of failed inspections. *J Food Prot.* **74**:1083-1095.
- Y. Jones, **H. F. Oliver**, J. R. Deed, and H. F. Yancy. 2010. Real time assay for the detection of pufferfish products. *J. Food Prot.* **73**(9):1698-70
- H. F. Oliver**, R. H. Orsi, M. Wiedmann, and K. J. Boor. 2010. Transcriptomic and phenotypic analyses suggest differences in sigma B contributions to stress response and virulence in *Listeria monocytogenes* strains representing lineages I, II, IIIA, and IIIB. *Appl. Environ. Microbiol.* PMID: 20453120
- H. F. Oliver**, R. H. Orsi, L. Ponnala, U. Keich, W. Wang, Q. Sun, S. W. Cartinhour, M. J. Filiatrault, M. Wiedmann, and K. J. Boor. 2009. Deep RNA sequencing of *L. monocytogenes* reveals overlapping and extensive stationary phase and sigma B-dependent transcriptomes, including multiple highly transcribed noncoding RNAs. *BMC Genomics.* **10**:641.
- Y. Hu, **H. F. Oliver**, S. Raengpradub, M. E. Palmer, R. H. Orsi, M. Wiedmann, and K. J. Boor. 2007. Transcriptomic and phenotypic analyses suggest a network between the transcriptional regulators HrcA and sigma B in *Listeria monocytogenes*. *Appl. Environ. Microbiol.* **73**:7981-7991
- K. K. Nightingale, S. R. Milillo, R. A. Ivy, **H. F. Oliver**, and M. Wiedmann. 2007. *Listeria monocytogenes* F2365 carries several authentic mutations potentially leading to truncated gene products, including InlB, and demonstrates atypical phenotypic characteristics. *J. Food Prot.* **70**(2):482-488.

### **Book Chapters**

- S. Hammons and **H. F. Oliver**. 2014. "Listeria monocytogenes at Retail" in *Retail Food Safety*. Editors: Farber, Crichton, and Snyder. Springer Publishing, New York, NY.
- H. F. Oliver**, M. Wiedmann, and K. Boor. 2007. Environmental reservoir and transmission into the mammalian host. In: *Pathogenesis and host response of Listeria monocytogenes*. H. Goldfine and H. Shen (eds). 1<sup>st</sup> edn. Springer, New York

### **Abstracts**

- A. Boonme, S. Chaturongakul, **H. F. Oliver**. Submitted. *sigB* and *sigC* Contribute to *Listeria monocytogenes* Survival in Synthetic Bile. Int'l Assoc Food Protection Annual Meeting, Tampa FL, July 2017
- S. Wu, J. Burnett, S. Hammons, D. Veenhuizen, A. West, M. Singh, **H. F. Oliver**. *Listeria monocytogenes* Prevalence in Retail Grocery Produce Environments is Partially Attributed to Facilities Design. Submitted. Int'l Assoc Food Protection Annual Meeting, Tampa FL, July 2017
- J. Burnett, S. Wu, S. Hammons, D. Veenhuizen, A. West, M. Singh, **H. F. Oliver**. *Listeria monocytogenes* is Prevalent in Some Retail Grocery Produce Environments. Submitted. Int'l Assoc Food Protection Annual Meeting, Tampa FL, July 2017
- A. Ray and **H. F. Oliver**. Submitted. Transcriptional Profiles of *Salmonella* Heidelberg Exposed to Heat Stress. Int'l Assoc Food Protection Annual Meeting, Tampa FL, July 2017

- A. Ray, S. Hammons and **H. F. Oliver**. 2016. Food outbreak-associated *Salmonella* Heidelberg isolates have increased heat resistance. International Assoc. Food Prot Annual Meeting, St. Louis, MO July 2016
- S. Hammons, R. Silver, **H. F. Oliver**. 2016. Reducing enrichment time and selective media to isolate environmental *Listeria monocytogenes* or *L. spp.* decreases costs and/or time to results. International Association for Food Protection Annual Meeting. St. Louis, MO July 2016
- S. Hammons, J. Wang, H. F. Oliver. 2016. Environmental Testing Models Identify Retail Delis with Highly Prevalent *Listeria monocytogenes* Contamination that can be Reduced with Enhanced SSOPs. International Symposium on Problems of Listeriosis. Paris, France, June 2016
- A. Ray, S. Hammons, J. Wang, **H. F. Oliver**. 2015. Deep cleans reduce persistence of *Listeria monocytogenes* in retail delis. International Assoc. Food Prot Annual Meeting, Portland, OR July 2015
- S. Hammons and **H. F. Oliver**. 2015. Changed course format increased student engagement and met additional IFT core competencies for food science curricula. IFT Annual Meeting, Chicago, IL
- A. G. Shenoy, H. F. Oliver, A. Deering. Persistence and Internalization of *Listeria monocytogenes* in Romaine lettuce. International Assoc. Food Prot Annual Meeting, Portland, OR July 2015
- A. M. Pleitner, S. Chaturongakul, and **H. F. Oliver**. Methicillin-resistant *Staphylococcus aureus* transcriptional responses to antibiotics. International Assoc. Food Prot Annual Meeting, Portland, OR July 2015
- A. M. Pleitner, S. Chaturongakul, and **H. F. Oliver**. Analysis of osmotic stress on methicillin resistant *Staphylococcus aureus* (MRSA). International Assoc. Food Prot Annual Meeting, Portland, OR July 2015
- A. M. Pleitner, S. Chaturongakul, and **H. F. Oliver**. 2014. Transcriptional profile of methicillin resistant *Staphylococcus aureus* under different growth conditions. International Association for Food Protection, Indianapolis, IN August 2014
- J. Wang and **H. F. Oliver**. 2014. Differences exist among *Listeria monocytogenes* retail delis isolates to form biofilms and tolerate sanitizers. International Association for Food Protection, Indianapolis, IN August 2014
- S. Hammons, B. Depietro, J. Wang and **H. F. Oliver**. 2014. Logistic regression models: a resource-focusing tool to identify retail delis with increased likelihood of high *Listeria monocytogenes* contamination. International Association for Food Protection, Indianapolis, IN August 2014
- S. Hammons, J. Wang and **H. F. Oliver**. 2014. Employee- and management-implemented interventions reduce *Listeria monocytogenes* prevalence in retail delis. International Association for Food Protection, Indianapolis, IN August 2014
- H. F. Oliver**, Y. Soyer, K. K. Nightingale, S. McCoy, M. Falk, L. Bergdoll, K. Santiago, and K. McNamara. 2014. Food safety education capacity building programs in Afghanistan. International Association for Food Protection, Indianapolis, IN August 2014
- A. M. Pleitner, V. Trinetta, M. T. Morgan, R. L. Linton, **H. F. Oliver**. August 2013. In-depth analysis of chlorine dioxide exposure on *Listeria monocytogenes*. International Association for Food Protection, Charlotte, NC
- S. R. Hammons, T. Ford, M. T. Howard, J. Wang, **H. F. Oliver**. July 2013. Evaluation of deep cleans in retail delis as a *Listeria monocytogenes* control strategy. International Association for Food Protection Annual Meeting, Charlotte, NC
- A. M. Pleitner, V. Trinetta, M. T. Morgan, R. Linton, **H. F. Oliver**. 2012. Transcriptional profile of *L. monocytogenes* exposed to sublethal carbon dioxide. 101<sup>st</sup> International Association for Food Protection Annual Meeting, Providence, RI.
- P. Ebner, **H. F. Oliver**, M. Russell. 2012. In-country Partnering Needed for Successful International Service Learning. American Society for Animal Science Annual Meeting, Phoenix, AZ.

- H. F. Oliver**, L. T. Esters, E. McKenzie, M. Wiedmann, and K. K. Nightingale. 2011. Introduction of molecular methods for foodborne pathogen detection into an undergraduate food science curriculum—a pilot study. 100th<sup>th</sup> International Association for Food Protection Annual Meeting, Milwaukee, WI
- M. Stasiewicz, E. Wright, S. Warchocki, S. E. Roof, M. Wiedmann, and **H. F. Oliver**. 2011. A longitudinal study of *L. monocytogenes* control in retail delis evaluating ATP bioluminescence as a monitoring tool. 100th<sup>th</sup> International Association for Food Protection Annual Meeting, Milwaukee, WI
- C. Simmons, E. Wright, T. Malley, M. Stasiewicz, S. Warchocki, J. Kause, D. Akingbade, M. Wiedmann, **H. F. Oliver**. 2011. Ecology of *Listeria monocytogenes* in the Retail Deli Environment 100th<sup>th</sup> International Association for Food Protection Annual Meeting, Milwaukee, WI
- S. Wang, T. Bergholz, **H. F. Oliver**, M. Wiedmann, and K. J. Boor. Submitted. Regulation of the PEP-phosphotransferase systems by alternative sigma factors  $\sigma^B$ ,  $\sigma^C$ ,  $\sigma^H$ , and  $\sigma^L$  in *Listeria monocytogenes*. 111<sup>th</sup> General Meeting of the Amer. Soc. Microbiol. New Orleans, LA.
- S. Mujahid, T.M. Bergholz, **H.F. Oliver**, K.J. Boor, M. Wiedmann. 2011. Sigma-B dependent expression of SbrE, a small noncoding RNA in *Listeria monocytogenes*. ASM Conference Regulating with RNA in Bacteria, March 2011.
- S. Mujahid, T. M. Bergholz, **H. F. Oliver**, K. J. Boor, M. Wiedmann. 2010. The Role of SbrE, a Small Noncoding RNA, in *L. monocytogenes* Stress Response. 110th General Meeting of the Amer. Soc. Microbiol.. San Diego, CA.
- H. F. Oliver**, R. H. Orsi, L. Ponnala, U. Keich, W. Wang, Q. Sun, S. W. Cartinhour, M. J. Filiatrault, M. Wiedmann, and K. J. Boor. 2010. Deep RNA sequencing of *L. monocytogenes* reveals overlapping and extensive stationary phase and sigma B-dependent transcriptomes, including multiple highly transcribed noncoding RNAs. International Symposium on Problems in Listeriosis XVII, Porto, Portugal, May 5-8, 2010
- H. F. Oliver**, V. Guariglia, R. Orsi, M. Wiedmann, and K. J. Boor. 2009. Diversification of sigma B-dependent promoters among *Listeria monocytogenes* strains representing lineages I, II, IIIA, and IIIB. 109th General Meeting, American Society for Microbiology. Philadelphia, PA.
- H. F. Oliver**, M. Wiedmann, and K. J. Boor. 2008. Transcriptomic and phenotypic analyses suggest differences in sigma B contributions to stress response and virulence in *Listeria monocytogenes* strains representing lineages I, II, IIIA, and IIIB. 108<sup>th</sup> General Meeting of the Amer. Soc. Microbiol., Boston, MA
- H. F. Oliver**, J. Corron, M. Wiedmann, and K. J. Boor. 2007. Sigma B contributions to stress response and virulence in select *Listeria monocytogenes* strains representing lineages I, II, IIIA, and IIIB. 94<sup>th</sup> International Association for Food Protection Annual Meeting, Lake Buena Vista, FL

### **Research Extramurally Funded Grants**

- 1. Agency: Diversey Care Sealed Air**  
**Title:** “Surface Damage and Microbial Risk”  
**Duration of Funding:** November 2016-June 2017

**Total amount of award:** \$74,123

**Role:** PI

**Responsible for** \$37,000

**2. Agency: Diversey Care Sealed Air**

**Title:** "Disinfectant Performance Curves For Antibiotic Resistant and Multi-Drug Resistant Pathogens"

**Duration of Funding:** August 2016-April 2017

**Total amount of award:** \$19,356

**Role:** PI

**Responsible for** \$19,356

**3. Agency: Diversey Care Sealed Air**

**Title:** "Disinfectant Performance Curve and Contact Time Study"

**Duration of Funding:** January 2016-December 2017

**Total amount of award:** \$18,384

**Role:** PI

**Responsible for** \$18,384

**4. Agency: USDA-AFRI**

**Title:** "Prevalence, Persistence and Control Strategies of *Listeria* spp. and *Salmonella* in Retail Produce Storage and Sales Environments"

**Duration of Funding:** January 2016-December 2017

**Total amount of award:** \$308,570

**Role:** PI

**Responsible for** \$277,713

**5. Agency: Center for Food Safety Engineering**

**Title:** "Developing a Time/Temperature Sensor to Correlate *Listeria* Growth in USDA Regulated Products"

**Duration of Funding:** January 2016-December 2016

**Total amount of award:** \$1,500,000

**Role:** Co-Pi

**Responsible for:** \$17,000

**6. Agency: Proctor and Gamble**

**Title:** "Efficacy of Phage-based Treatment in Reducing *Listeria* Contamination of Non-food Contact Surfaces"

**Duration of Funding:** July 2015-June 2017

**Total amount of award:** \$342,298

**Role:** Joint PI

**Responsible for** \$171,649

**7. Agency: Center for Food Safety Engineering**

**Title:** "Phenotypic Characteristics and Virulence Potential of *Salmonella* Heidelberg"

**Duration of Funding:** June 2014-May 2015

**Total amount of award:** \$1,500,000

**Role:** Co-Pi

**If CO-PI, for how much of the total funding are you directly responsible for:** \$40,000

- 8. Agency: Center for Food Safety Engineering**  
**Title:** "Phenotypic Characteristics and Virulence Potential of Foodborne Pathogens"  
**Duration of Funding:** June 2013-Sept 2014  
**Total amount of award:** \$1,500,000  
**Role:** Co-PI  
**If CO-PI, for how much of the total funding are you directly responsible for:** \$80,000
- 9. Agency: Food Marketing Institute Foundation**  
**Title:** "Implementation and Evaluation of Best Practices and Novel Alternative Control Strategies for *Listeria monocytogenes* in Retail Deli Environments"  
**Duration of Funding:** 1.5 years, 8/2012-12/2015  
**Total amount of award:** \$50,000  
**Role:** PI; Co-PI: None
- 10. Agency: Food Marketing Institute Foundation**  
**Title:** "Evaluation of Deep Cleaning and Standard SSOPS Aimed to Mitigate and Control *Listeria monocytogenes* in Retail Delis"  
**Duration of Funding:** 1.5 years, 8/2012-8/2014  
**Total amount of award:** \$99,000  
**Role:** PI; Co-PI: None
- 11. Agency: American Meat Institute Foundation**  
**Title:** "Evaluation of Control Strategies for *Listeria monocytogenes* in Retail Deli Environments with Evidence of High Prevalence"  
**Duration of Funding:** 1.5 years; 2/2012-11/2014  
**Total amount of award:** \$99,000  
**Role:** PI; Co-PI: None
- 12. Agency: Virtual Food Systems Training Consortium**  
**Title:** "*Listeria monocytogenes* Module-L2"  
**Duration of Funding:** 6 months; 3/2012-8/2012  
**Total amount of award:** \$136,397  
**Role:** Co-PI; Co-PI: K. Keener  
**If CO-PI, for how much of the total funding are you directly responsible for:** \$27,220
- 13. Agency: Center for Food Safety Engineering**  
**Title:** "Phenotypic Characteristics and Virulence Potential of *Listeria monocytogenes* Isolated from Retail Deli Environments"  
**Duration of Funding:** 1 year  
**Total amount of award:** \$1,500,000  
**Role:** Co-PI  
**If CO-PI, for how much of the total funding are you directly responsible for:** \$80,000
- 14. Agency: Agriculture Research Programs**  
**Title:** "Fresh Fruit and Vegetables Processed or Handled in Retail Food Establishments: A Neglected Source of the Human Foodborne Pathogen *Listeria monocytogenes*"

**Duration of Funding:** 1 academic year

**Total amount of award:** \$17,500

**Role:** PI

**15. Agency: American Meat Institute & Food Marketing Institute**

**Title:** "Development and Evaluation of Control Strategies for *Listeria monocytogenes* in Retail Deli Environments"

**Duration of Funding:** 1 year, 3/2011-3/2012

**Total amount of award:** \$50,000

**Role: PI; Collaborators:** Martin Wiedmann, Cornell University

**16. Agency: United States Department of Agriculture-Food Safety Inspection Service**

**Title:** "Extended longitudinal study of *Listeria monocytogenes* (*L. monocytogenes*) in a retail environment in order to obtain critical data needs in the retail LM cross-contamination model"

**Duration of Funding:** 4 months; 9/2010-12/2010

**Total amount of award:** \$50,000

**Role:** Collaborator and written by H. Oliver; **PI:** Martin Wiedmann, Cornell University

**If CO-PI, for how much of the total funding are you directly responsible for:** N/A

**17. Agency: United States Department of Agriculture-Food Safety Inspection Service**

**Title:** "Mapping of *L. monocytogenes* risk in a retail environment in order to obtain critical data needs in the retail *Listeria monocytogenes* cross-contamination model"

**Duration of Funding:** 1 year; 9/2009-8/2010

**Total amount of award:** \$80,000

**Role:** Collaborator and written by H. Oliver; **PI:** Martin Wiedmann, Cornell University

**If CO-PI, for how much of the total funding are you directly responsible for:** N/A

**Research Internal Purdue University Grants**

**1. Agency: Agricultural Research and Extension leading to Economic Development in Indiana Agriculture and Rural Communities**

**Title:** "Genotypic and transcriptomic differences among *Listeria monocytogenes* isolates persisting in retail deli environments"

**Duration of Funding:** 1 year

**Total amount of award:** \$49,244

**Role:** PI

**2. Agency: Purdue University**

**Title:** "Purdue Research Foundation: Xr Grant"

**Duration of Funding:** 06/01/2011-05/31/2013

**Total amount of award:** \$17,059

**Role:** PI

**3. Agency: Ralph W. and Grace M. Showalter Research Trust**

**Title:** "Transcriptional Regulator of Stress Survival and Virulence,  $\sigma^B$ , as a Potential Drug Target in Methicillin-Resistant *Staphylococcus aureus* (MRSA)"



**Duration of Funding:** 1 year; 7/2013-6/2014  
**Total amount of award:** \$75,000  
**Role:** PI; **Co-PI:** Soraya Chaturongakul; credit to Aaron Pleitner

### **Capacity Building Extramural Grants**

- 1. Agency: USAID**  
**Title:** “Afghanistan University Sustainability and Workforce Development Program”  
**Duration of Funding:** 5 years; 1/2014-12/2018  
**Total amount of award:** \$92,600,000 to FHI, Inc.  
**Role:** Purdue International Programs in Agriculture—K. McNamara, J. Lowenberg-Deboer, H. F. Oliver  
**Total amount of sub-contract award:** Estimated \$4,803,312 for Food Technology module; Dr. Oliver designed the Food Technology program module and is the lead food scientist on the project; Oliver award credited \$720,497
- 2. Agency: USDA/FAS**  
**Title:** “Afghanistan Agricultural Sanitary and Phytosanitary (SPS) Project”  
**Duration of Funding:** 10/01/2011-09/30/2014  
**Total amount of award:** \$2,400,000; Oliver directly responsible for \$435,048.40.  
**Role:** Co-PI; **Collaborators:** Kevin McNamara, Ricky Foster, Ramesh Vemulapalli  
\*Dr. Oliver is the lead for the food safety component of this grant.
- 3. Agency: United States Department of Agriculture—Agriculture and Food Research Initiative**  
**Title:** “A National Food Safety Education Program: building a multidisciplinary food safety training pipeline from K-12 to graduate school”;  
**Duration of Funding:** 5 years; 1/15/2011-1/14/2016  
**Total amount of award:** \$2,500,000; Oliver directly responsible for: \$228,000  
**Role:** Co-PI, **Collaborators:** Martin Wiedmann, Kathryn J. Boor, Alicia Orta-Ramirez, Loren Tauer, and Carmen Moraru, Cornell University; Kendra Nightingale, Texas Tech University; Lee-Ann Jaykus, North Carolina State University; Martha Verghese, Alabama A & M University; Salam Ibrahim, North Carolina A & T State University; Angela Roberts, Texas Wesleyan University
- 4. Agency: Aqualab Educational Instrumentation Grant**  
**Title:** “Purdue Aqualab Educational instrumentation Grant”;  
**Duration of Funding:** 2011  
**Total amount of award:** \$15,000  
**Role:** Co-PI

### **Capacity Building Internal Purdue University Grants**

- 1. Agency: Purdue College of Agriculture Alumni**  
**Title:** “Undergraduate Opportunities in Food Safety”;  
**Duration of Funding:** 1 academic years; 2016  
**Total amount of award:** \$5,000  
**Role:** PI
- 2. Agency: Instruction Matters Purdue Academic Course Transformation**  
**Title:** “Modern Food Microbiology”;  
**Duration of Funding:** 2 academic years; 2012-2014  
**Total amount of award:** \$10,000

**Role:** PI

**3. Agency: Purdue University Instructional Innovation Program**

**Title:** "Molecular Tools for Modern Food Microbiology";

**Duration of Funding:** 1 academic year; 2011-2012

**Total amount of award:** \$22,000

**Role:** PI

**4. Agency: Purdue University Instructional Innovation Program**

**Title:** "Updating Essential Equipment for Food Microbiology";

**Duration of Funding:** 1 academic year, 2010-2011

**Total amount of award:** \$20,784

**Role:** PI

**AWARDS, FELLOWSHIPS, SCHOLARSHIPS AND OTHER HONORS:**

<b>AAAS Leshner Fellow</b> <i>AAAS Center for Public Engagement with Science and Technology</i>	2017-2018
<b>Richard L. Kohls Outstanding Teaching Award</b> <i>Purdue University College of Agriculture</i>	2017-2018
<b>Purdue University Teaching Academy Member</b> <i>Purdue University and the Center for Instructional Excellence</i>	2016
<b>Larry Beuchat Young Researcher Award</b> <i>International Assoc. for Food Protection</i>	2016
<b>United States Department of Agriculture New Teacher Award</b> <i>National Early Career Teaching Award</i>	2014
<b>Indiana Extension Educators Association Team Award</b> <i>Food Safety for Fresh Fruits and Vegetables Issue Based Action Team</i>	2014
<b>IMPACT Fellow</b> <i>Purdue University Provost Initiative for Course Re-design</i>	2012-2013
<b>Teaching for Tomorrow Fellow</b> <i>Purdue University Provost Initiative for Improved Instruction</i>	2013-2014
<b>Richard L. Kohls Outstanding Early Career Award</b> <i>Purdue University College of Agriculture</i>	2013
<b>Under 40 Dedicated to Finding a Solution to the 2050 Challenge</b> <i>Vance Publishing</i>	2013
<b>Millionaire's Club</b> <i>Purdue University College of Agriculture</i>	2013
<b>Outstanding Undergraduate Teaching Award</b> <i>Purdue University Department of Food Science</i>	2011, 2012, 2013, 2015
<b>Outstanding Academic Counseling Award</b> <i>Purdue University Department of Food Science</i>	2012, 2013
<b>Cornell University PhD Marshal</b> <i>Cornell University 2009 Commencement Ceremonies</i>	2009
<b>Unilever United States Graduate Award</b> <i>Cornell University Department of Food Science</i>	2009
<b>Corporate Activities Program Graduate Student Travel Grant</b> <i>American Society for Microbiology 2009 General Meeting</i>	2009
<b>Eastern New York Branch ASM Graduate Travel Grant</b> <i>American Society for Microbiology 2008 General Meeting</i>	2008
<b>Cornell University Graduate School Travel Grant</b> <i>American Society for Microbiology 2008 General Meeting</i>	2008
<b>Graduate Fellowship</b> <i>Institute of Food Technologists, Food Microbiology Division</i>	2008
<b>Graduate Fellowship</b> <i>Institute of Food Technologists &amp; Frito-Lay, Inc.</i>	2006, 2008
<b>Graduate Research Fellowship</b> <i>The Clinton DeWitt Smith Fellowship</i>	2006, 2008
<b>The Kosi Award in Food Science</b> <i>Cornell University Department of Food Science</i>	2006, 2007, 2008
<b>V. Duane Rath Graduate Research Fellowship</b> <i>Food Processing Suppliers Foundation</i>	2008

<b>Provost's Diversity Fellowship</b> <i>Cornell University</i>	2007
<b>Cornell University Department of Food Science Travel Grant</b> <i>American Society for Microbiology Kadner Institute for Graduate Students ostdoctoral Scientists in Preparation for Careers in Microbiology</i>	2007
<b>IAFP Foundation Student Travel Scholarship</b> <i>International Association for Food Protection 2007 Annual Meeting</i>	2007
<b>Graduate Fellowship</b> <i>Institute of Food Technologist &amp; GMP/FPA</i>	2007
<b>Corporate Activities Graduate Student Travel Grant</b> <i>American Society for Microbiology 2006 General Meeting</i>	2006
<b>Cornell University Department of Food Science Travel Grant</b> <i>American Society for Microbiology 2006 General Meeting</i>	2006
<b>Graduate Research Fellowship</b> <i>Olin Fellowship, Cornell University</i>	2004-2005
<b>NSF/DOE/EPSCoR Research Fellowship</b> <i>National Science Foundation, Department of Energy, and University of Wyoming</i>	2003, 2004
<b>McNair Scholars Fellowship</b> <i>Department of Education and University of Wyoming</i>	2003, 2004
<b>Cum Laude Graduation Honors</b> <i>University of Wyoming</i>	2004
<b>Bronze Congressional Medal</b> <i>United States Congressional Award, US Congress</i>	1996

**INVITED TALKS and other presentations**

**H. F. Oliver.** October 2016. "Oliver Food Safety—Retail, Afghanistan and FSMA". Purdue University College of Agriculture Dean's Advisory Council Meeting, West Lafayette, IN

**H. F. Oliver.** October 2016. "Do You Really Know What Caused Your Diarrhea". Dawn or Doom Technology Conference, Purdue University, West Lafayette, IN

**H. F. Oliver.** October 2016. "Transitioning Whole Genome Sequencing—Implications for Retail". Arkansas Association for Food Protection. Fayetteville, AR

**H. F. Oliver.** October 2016. "How Not to be the Next Food Safety Headline". National Convenience Store Association annual meeting, Atlanta, GA

**H. F. Oliver.** September 2016. "Transitioning from PFGE to WGS". Indiana Environmental Health Association Annual Meeting, Michigan City, IN

**H. F. Oliver.** July 2016. "Listeria at Retail—Control Strategies". International Association for Food Protection Annual Meeting, St. Louis, MO

**H. F. Oliver.** April 2016. "Genome Sequencing 101". North American Meat Institute Meat Industry Management Conference, Chicago, IL

**H. F. Oliver.** September 2015. "Whole Genome Sequencing—Implications for Retail". Arkansas Association for Food Protection. Fayetteville, AR

**H. F. Oliver.** July 2015. "*Listeria monocytogenes* Biofilms in Retail Delis". Symposium. International Association for Food Protection, Portland, OR

**H. F. Oliver.** July 2015. "*Listeria monocytogenes* Control at Retail". Symposium. International Association for Food Protection, Portland, OR

**H. F. Oliver.** March 2014. "Food Safety Capacity Building in Afghanistan". Michigan Environmental Health Assoc., Traverse City, MI

**H. F. Oliver.** March 2015. "Retail Deli Food Safety". Michigan Environmental Health Assoc., Traverse City, MI

**H. F. Oliver.** September 2014. "Food Safety Challenges—Case Studies from Retail Delis to Afghanistan". Pennsylvania State University Department of Food Science Seminar, State College, PA.

**H. F. Oliver.** September 2014. "Retail Deli Food Safety". Illinois State Department of Health Annual Meeting, Normal, IL.

**H. F. Oliver.** August 2014. "Retail Deli Food Safety." Bloomin Brands Annual Food Safety Meeting, Tampa, FL.

**H. F. Oliver** and H. Thesmar. June 2014. "Advances in Retail Deli Food Safety". International Association for Food Protection Webinar.

**H. F. Oliver** & A. Deering. June 2014, Poseyville, IN. "Packhouse Inspections—What the FDA is Looking For".

**H. F. Oliver** & A. Deering. June 2014, Seymore, IN. "Packhouse Inspections—What the FDA is Looking For".

**H.F. Oliver** and T. Food. April 2014. "The Forgotten Surfaces" Ecolab, Inc. Webinar (303 in attendance)

**H. F. Oliver**, H. Thesmar, S. Wood, K. Smith. April 2014. "Environmental Monitoring at Retail: Current Approaches and Practical Models". Food Safety Summit, Baltimore, MD

**H. F. Oliver.** December 2013. "Prevalence, Persistence and Stress Response of Foodborne Pathogens". Purdue University College of Agriculture, Department of Biochemistry Seminar Series.

**H. F. Oliver.** December 2013. Grand Rapids, MI. "Melon Packhouse Inspection: What the FDA is Looking For". Great Lakes Fruit, Vegetable, and Farm Market Expo.

**H. F. Oliver.** November 2013, Shanghai, China "Prevalence and Persistence of *Listeria monocytogenes* in Retail Delis". Shanghai Jiao Tong University Food Science Seminar

**H. F. Oliver.** November 2013, Wuxi, China "Prevalence and Persistence of *Listeria monocytogenes* in Retail Delis". Jiangnan University Department of Food Science

**H. F. Oliver.** November 2013, Hangzhou, China "Prevalence and Persistence of *Listeria monocytogenes* in Retail Delis". Zhejiang University of Science and Technology Department of Food

Science and Engineering

**H. F. Oliver.** November 2013. "Prevalence, Persistence and Control of Foodborne Pathogens *Listeria monocytogenes* in Retail Delis -- a Case Study". Purdue University College of Health & Human Sciences Seminar Series.

**H. F. Oliver.** October 2013, Toronto, Canada "*Prevalence and Persistence of Listeria monocytogenes in Retail Delis*". 5<sup>th</sup> Annual Mapleleaf Foods Food Safety Symposium

**H. F. Oliver.** August 2013. "National and International Food Safety". Ft. Wayne Rotary, Ft. Wayne IN

**H. F. Oliver.** July 2013. "*Listeria monocytogenes* Prevalence and Control in Retail Delis". International Association for Food Protection, Charlotte, NC

S. Hammons, S. Stasiewicz, S. Roof, E. Wright, S. Warchocki, J. Topper, M. Wiedmann, **H. F. Oliver.** July 2013. "ATP as a Verification and Education Tool in Retail Deli Systems". International Association for Food Protection Annual Meeting, Charlotte, NC

**H. F. Oliver & A. Deering.** June 2013, Vincennes, IN. "Packhouse Inspections—What the FDA is Looking For".

**H. F. Oliver & A. Deering.** June 2013, Poseyville, IN. "Packhouse Inspections—What the FDA is Looking For".

**H. F. Oliver & A. Deering.** June 2013, Seymore, IN. "Packhouse Inspections—What the FDA is Looking For".

**H. F. Oliver.** May 2013. "Longitudinal Study of *Listeria monocytogenes* in Prevalence and Persistence in Retail Delis". USDA-FSIS & FDA Retail *Listeria* Risk Assessment Public Meeting. Washington, D.C.

**H. F. Oliver.** May 2013. "*Listeria monocytogenes* in Retail Food Systems". Department of Animal Science Graduate Program Annual Awards Luncheon.

**H. F. Oliver.** March 2013, Barcelona, Spain "*Prevalence and Persistence of Listeria monocytogenes in Retail Delis*". Global Food Safety Initiative Annual Meeting

**H. F. Oliver.** January 2013. "*Listeria monocytogenes* in Retail Delis". Lunds Foods Holdings, Minneapolis, MN.

**H. F. Oliver.** January 2013. "*Listeria monocytogenes* in Retail Delis". Schnucks Supermarkets, St. Louis, MO.

**H. F. Oliver.** November 2012, Orlando, FL. "Prevalence and Persistence of *Listeria monocytogenes* in Retail Delis". Annual Meeting, Publics Supermarkets.

**H. F. Oliver.** October 2012, Indianapolis, IN. "*Listeria monocytogenes*". Indiana Environmental Health Association and Indiana State Department of Health.

**H. F. Oliver.** November 2012, Edison, NJ. "*Listeria monocytogenes* in Retail Delis" Wakefern Foods Bi-Annual Food Expo.

**H. F. Oliver.** July 2012, Providence, RI. "Control of *Listeria monocytogenes* in Retail Delis." International Association for Food Protection Annual Meeting

- H. F. Oliver.** May 2012, Dallas, TX. “Control of *Listeria monocytogenes* in Retail Delis.” American Meat Institute Annual Expo.
- H. F. Oliver.** May 2012, Dallas, TX. “Control of *Listeria monocytogenes* in Retail Delis.” Food Marketing Institute Food Safety Board meeting.
- H. F. Oliver.** November 2011, West Lafayette, IN. “*Listeria monocytogenes* in Retail Delis – Research Update and Implications for Produce Industry.” Food Safety for Fresh Fruits and Vegetable IBAT meeting, Purdue University
- H. F. Oliver.** October 2011. “*Listeria monocytogenes* in Retail Delis”’. Annual Meeting, Canadian Meat Council, Toronto, CA.
- H. F. Oliver.** September 2011. “*Listeria monocytogenes* in Retail Delis”’. Ecolab Retail Food Safety Symposium, Ecolab, Inc., Springfield, MA
- H. F. Oliver.** July 2011. “*Listeria monocytogenes* in Retail Delis” *Listeria* Control Workshop, American Meat Institute, Indianapolis, IN.
- H. F. Oliver.** June 2011. “Retail Food Safety”. Reciprocal Meat Conference, American Meat Science Association Annual meeting, Manhattan, KS.
- H. F. Oliver.** June 2011. “Control of *Listeria monocytogenes* in Retail Delis—The New Frontier”. American Meat Institute *Listeria* Control Workshop, , Indianapolis, IN.
- H. F. Oliver.** 2011. “*Listeria monocytogenes* in retail delis”’. Department of Animal Science, Colorado State University, Fort Collins, CO.
- H. F. Oliver.** 2010. “Prevalence and persistence of *Listeria monocytogenes* in retail delis-a longitudinal study”. Food Safety Advisory Committee, Neogen Corporation, Lansing, MI.
- H. F. Oliver.** 2010. “*Listeria monocytogenes* update: Cornell & Purdue Universities’ longitudinal study in retail delis”’. Food Protection Committee, Food Marketing Institute, Minneapolis, MN.
- H. F. Oliver.** 2010. *Listeria monocytogenes* and the retail deli: previous and future studies. Food Industry Alliance of New York Food Safety Committee meeting. New York State Department of Agriculture and Markets, Albany, NY.
- H. F. Oliver,** V. Guariglia, R. Orsi, M. Wiedmann, and K. J. Boor. 2009. Diversification of sigma B-dependent promoters among *Listeria monocytogenes* strains representing lineages I, II, IIIA, and IIIB. 109th General Meeting, American Society for Microbiology. Philadelphia, PA.
- H. F. Oliver,** R. H. Orsi, L. Ponnala, U. Keich, W. Wang, Q. Sun, S. W. Cartinhour, M. J. Filiatrault, M. Wiedmann, and K. J. Boor. 2009. Global characterization of a transcriptome and stress response regulon using RNA-Seq. Cornell University Infection and Pathobiology Retreat, Watkins Glen, NY.
- H. F. Oliver,** M. Wiedmann, and K. J. Boor. 2008. Sigma B contributions to stress response and virulence in select *Listeria monocytogenes* strains representing lineages I, II, IIIA, and IIIB. Center for Food Safety and

Nutrion & Center for Veterinary Medicine, U.S. Food and Drug Administration, Laurel, MD.

**H. F. Oliver**, Y. Jones, and H. Yancy. 2008. Developing regulatory assays using DNA bar-coding. Center for Veterinary Medicine, U.S. Food and Drug Administration, Laurel, MD.

**H. F. Oliver**, M. Wiedmann, and K. J. Boor. 2008. Sigma B contributions to stress response and virulence in select *Listeria monocytogenes* strains representing lineages I, II, IIIA, and IIIB. Cornell University Department of Food Science Seminar Series, Ithaca, NY.

**H. F. Oliver**, M. Wiedmann, and K. J. Boor. 2008, Sigma B contributions to stress response and virulence in select *Listeria monocytogenes* strains representing lineages I, II, IIIA, and IIIB. Cornell University Infection and Pathobiology Retreat, Geneva, NY.

**H. F. Oliver**, J. Corron, M. Wiedmann, and K. J. Boor. 2007. Sigma B contributions to stress response and virulence in select *Listeria monocytogenes* strains representing lineages I, II, IIIA, and IIIB. 94<sup>th</sup> International Association for Food Protection Annual Meeting, Lake Buena Vista, FL.

#### **MEDIA INTERVIEWS (2015-present)**

“Why You’re Noticing More Ice Cream Recalls These Days”. Huffington Post. November 2016.

[http://www.huffingtonpost.com/entry/why-youre-noticing-more-ice-cream-recalls-these-days\\_us\\_581d1a99e4b0e80b02ca325b](http://www.huffingtonpost.com/entry/why-youre-noticing-more-ice-cream-recalls-these-days_us_581d1a99e4b0e80b02ca325b)

“Wait, How Did Eggos Get Contaminated With *Listeria*? Vice’s Motherboard. September 2016.

<http://motherboard.vice.com/read/wait-how-did-eggos-get-contaminated-with-listeria>

“A Big Food Packager Issues a Very Big Recall”. NPR MarketPlace. May 2016.

<http://www.marketplace.org/2016/05/05/world/listeria>

“So Is It Safe To Eat At Chipotle Again?” Slate Magazine. January 2016.

[http://www.slate.com/blogs/moneybox/2016/01/14/chipotle\\_may\\_be\\_safer\\_than\\_ever\\_seriously.html?wpsrc=sh\\_all\\_tab\\_tw\\_top](http://www.slate.com/blogs/moneybox/2016/01/14/chipotle_may_be_safer_than_ever_seriously.html?wpsrc=sh_all_tab_tw_top)

“Invite Some Germs To Dinner”. New York Times Sunday Review. May 2015.

<http://www.nytimes.com/2015/05/10/sunday-review/invite-some-germs-to-dinner.html?ref=opinion&r=0>

#### **TEACHING EXPERIENCE:**

Graduate Food Microbiology (FS 553)	Spring 2011-2015;
Aseptic Processing (FS 591)	Fall 2016
Food Microbiology Lecture (FS 362)	Fall 2010-2016
Food Plant Sanitation (FS 361)	Fall 2010-2016
Scientific Writing (FS 6200)	Fall 2011-2016
Case Studies in Food Safety (FS 591)	Fall 2016
Haiti Service Learning (ANSC 4495)	Spring 2013
Undergraduate Teaching Assistantships (FS 491)	2011-2014
CNIT 499	Spring 2012-2013
EPCS 101	Fall 2012
Food Microbiology Laboratory (FS 363)	Spring 2013 Fall 2010-2012



**Symposiums, Workshops, International training**

<b>USAID University Workforce Development Program, Herat University Afghanistan Food Technology Department Bridge Program Training</b> -- Herat, Afghanistan.	May 2016
<b>USAID University Workforce Development Program, Herat University Afghanistan Food Technology Department Bridge Program Training</b> -- Herat, Afghanistan.	August 2015
<b>USAID University Workforce Development Program, Herat University Afghanistan Food Technology Department Training</b> – West Lafayette, IN.	June-July 2015
<b>Afghanistan Ministry of Agriculture, Irrigation, and Livestock Border Inspection Training</b> -- Kabul, Afghanistan August 2014.	August 2014
<b>Afghanistan Ministry of Agriculture, Irrigation, and Livestock and Ministry of Public Health Foodborne Pathogen Laboratory Training</b> -- Kabul, Afghanistan	September 2014
<b>Cantaloupe Packhouse Inspections—Bringing in the Harvest—Preparing in for the 2014 Melon Season.</b> Indiana cantaloupe growers. Vincennes, IN	June 2014
<b>Afghanistan Ministry of Agriculture, Irrigation, and Livestock Meat Inspection Training</b> - Kabul, Afghanistan	May 2014
<b>Afghanistan Ministry of Agriculture, Irrigation, and Livestock and Ministry of Public Health Basic Laboratory Training</b> -- Kabul, Afghanistan	May 2014
<b>Thirty-first annual Aseptic Processing and Packaging Workshop.</b> Purdue University, West Lafayette, IN	May 2014
<b>Fifth Annual International Molecular Methods in Food Microbiology Symposium and Workshop.</b> Co-organizer and lecturer, Texas Tech University, Lubbock, TX	October 2013
<b>Food Safety Laboratory Training.</b> Afghanistan Ministry of Agriculture, Irrigation, and Livestock Food Safety Training, Ankara, Turkey	July-August 2013
<b>Cantaloupe Packhouse Inspections—What the FDA is Looking for.</b> Indiana cantaloupe growers. Vincennes, IN	June 2013
<b>Cantaloupe Packhouse Inspections—What the FDA is Looking for.</b> Indiana cantaloupe growers. Poseyville, IN	June 2013
<b>Cantaloupe Packhouse Inspections—What the FDA is Looking for.</b> Indiana cantaloupe growers. Vallonia, IN	June 2013

<b>Thirtieth annual Aseptic Processing and Packaging Workshop.</b> Purdue University, West Lafayette, IN	May 2013
<b>Basic Sanitation and Hygiene Training.</b> Afghanistan Ministry of Agriculture, Irrigation, and Livestock Food Safety Training, Kabul, Afghanistan	November 2012
<b>GAPS, GMPS and HACCP Training.</b> Afghanistan Ministry of Agriculture, Irrigation, and Livestock Food Safety Training, Kabul, Afghanistan	June 2012
<b>Twenty-ninth annual Aseptic Processing and Packaging Workshop.</b> Purdue University, West Lafayette, IN	May 2012
<b>Fourth Annual International Molecular Methods in Food Microbiology Symposium and Workshop.</b> Co-organizer and lecturer, Colorado State University, Ft. Collins, CO	June 2011
<b>Third Annual International Molecular Methods in Food Microbiology Symposium and Workshop.</b> Co-organizer and lecturer, Colorado State University, Ft. Collins, CO	June 2010
<b>Second Annual International Molecular Methods in Food Microbiology Symposia Series.</b> Co-organizer and lecturer, Middle East Technical University, Ankara Turkey	April 2010

## **Mentorship**

### **Graduate Research Assistants Committee Chair/Co-chair, Purdue University (Graduated)**

Clara Assisi, M.S.	December 2016
Susan Hammons, Ph.D.	August 2016
Aaron Pleitner, Ph.D.	May 2015
Archana Shenoy, M.S.	May 2015
Jessie Jingjin Wang, M.S.	May 2014
Susan Hammons, M.S.	May 2014

### **Graduate Research Assistants Committee Chair/Co-chair, Purdue University (Current)**

Paul Duarte Guevara, M.S. student	August 2016-present
John (Jack) Burnett, M.S. student	June 2016-present
Tongyu (Sophie) Wu, M.S. student	August 2016- present
Alyssa West, 4+1 M.S. student	August 2016- present
Ajita Sundarram	August 2015-present
Matthew Bailey, Ph.D. Student	December 2016 - present
Estefani Novoa Rama, M.S. student	December 2016 - present
Andrea Ray, Ph.D. student	January 2012 - present

### **Graduate Research Assistants Committee Member**

Yoojun Heo	August 2015- present
Sydney Corkran, FDSC, Purdue University	March 2014 - 2015

Alex Brant, ANSC, Texas Tech University	January 2012 - 2014
Yingying Hong, ANSC, Purdue University	January 2012 - 2015
Chris Bach, BTNY, Purdue University	January 2012 - 2015
Stacy McCoy, AGEC, Purdue University	August 2012 - 2015

#### **Undergraduate Research Assistants, Purdue University**

Karina Desiree	August 2016 – present
Caitlenn Lineback	August 2016 – present
Deklin Veenhuizen	June 2016 – present
Paige LeMaster	October 2015 – present
Erin Raver	January 2016 – May 2016
Rachel Silver (Oregon State University)	June 2015 - August 2015
Melissa Galazio	August 2014 – May 2015
Daniel Moore	February 2014 – May 2014
Alex Katubig	January 2014 – May 2015
Zsazsa Daniella	August 2014—February 2015
Danika Miller	January 2013 – May 2014
Natalie Donova	January 2013 – May 2014
Seven Chambers, Food Science major	January 2011 – May 2013
Carmen Wickware, Food Science major	January 2011 – May 2013
Peter Cook, Biology and Food Science major	April 2011 – May 2013
Nyssa Boyd	August 2012 – March 2013
Lindya Djaputra, Jr. Food Science	October 2011 – January 2013
Savannah Poe, Food Science major	July 2011 - August 2011
Jingjin Wang, Food Science major	January 2011 - April 2011
Ana Ocampo, Food Science major, Zamorano Univ.	Spring 2012 - April 2012
Jacob Eichinger, Food Science major	Sept 2012 - December 2013
Steven Emerick, Food Science major	Sept 2012 - December 2013
Gracia María Borjas, Zamorano University	June 2012 - December 2013
Laura Hill, So. Texas A&M Food Science	June 2012 - August 2012
Brian Ziegler, Food science B.S	Sept 2010 - December 2010

#### **International Visiting Research Scholars**

Atsadang Boonme, Ph.D. student, Mahidol University, Bangkok, Thailand	August 2016-July 2017
Mohammad Ghoryar, Professor of Animal Science, Herat University	May-July, 2015
Shoaib Shakhes, Professor of Microbiology, Herat University	May-July, 2015
Ahmad Ghanizadah, Professor of Chemistry, Herat University	May-July 2015

#### **Graduate research assistants, Cornell University**

Sana Mujahid, Food Science PhD student	September 2009 - May 2010
Veronica Guariglia, Microbiology rotation student	December 2008 - February 2009

#### **Undergraduate research assistants, Cornell University**

Matthew D. Moore, Food Science	Spring 2009 to May 2010
Jessica L. Corron, Food Science	Summer 2005 to Summer 2007
Raquel M. Furtado, Biology	Summer 2005 to Fall 2006

### Teaching Assistantships

Teaching Assistant, Food Microbiology, Cornell University	Fall 2005
Teaching Assistant, Meat Evaluation, University of Wyoming	Fall 2002
Teaching Assistant, General Microbiology Laboratory, University of Wyoming	Fall 2002

### Guest Lectures in Courses

**H. F. Oliver.** January 2016. "Food Safety-National and International Perspectives" Purdue University. HSCI 575 Introduction to Environmental Health

**H. F. Oliver.** November 2015. "IMPACT's Impact on My Courses" Purdue University. Fall 2015 Purdue University IMPACT Class Cohort, Center for Instructional Excellence.

**H. F. Oliver.** January 2014. "Food Safety-National and International Perspectives" Purdue University. HSCI 575 Introduction to Environmental Health

**H. F. Oliver.** November 2013. "Food Safety--National and International Perspectives". Purdue University College of Agriculture ANSC 495 Haiti Study Abroad.

**H. F. Oliver.** September 2013. "Food Safety Challenges in Indiana and Beyond". Purdue University College of Agriculture AGR 101 Honors.

**H. F. Oliver.** September 2013. "Antimicrobial". Purdue University College of Agriculture FS 530.

**H. F. Oliver.** April 2012. "Antimicrobials". Guest Lecturer Food Ingredients, Purdue University, West Lafayette, IN

**H. F. Oliver.** November, December 2011. "Food Microbiology". Guest Lecturer BIOL 438, Purdue University, West Lafayette, IN.

**H. F. Oliver.** June 2006, June 2007. "DNA Fingerprinting". Cornell University Food Microbiology course, Ithaca, NY

### PROFESSIONAL ASSOCIATION MEMBERSHIPS:

American Association for the Advancement of Science (AAAS) (*since 2016*)  
International Association for Food Protection (IAFP) (*since 2007*)  
North American Colleges and Teachers of Agriculture (NACTA) (*since 2010*)  
Conference for Food Protection (CFP) member (*since 2011*)

### INVITED HONOR SOCIETIES:

#### Phi Tau Sigma Food Science Honorary Society

*Former Vice President, Cornell University*

#### Mortar Board

*Director of new membership, University of Wyoming*

#### Gamma Sigma Delta Honor Society of Agriculture

*University of Wyoming*

### PROFESSIONAL DEVELOPMENT:

#### AAAS Leshner Leadership Institute

June 2017-May 2018

*AAAS Center for Public Engagement with Science and Technology*

#### Lead21

June 2017-February 2018

*Leadership for the 21<sup>st</sup> Century, Land Grant Universities*

<b>Purdue University IMPACT Program</b>	Fall 2012-Spring 2013
<i>Purdue University Course Redesign Program</i>	
<b>IFT 360 Leadership Program</b>	Summer 2013
<i>Institute of Food Technologist Leadership Development Program</i>	
<b>Purdue University New Faculty Members Program</b>	Fall 2010-2013
<i>Associate Dean of Research New Faculty Orientation Series</i>	
<b>Purdue University Conference for Pre-Tenured Faculty Women</b>	Fall 2011
<i>Leadership development for junior faculty women</i>	
<b>Cornell University Postdoctoral Leadership Program</b>	Fall 2010
<i>Leadership development for graduate students</i>	
<b>Infection and Pathobiology Program Participant</b>	2004-2009
<i>College of Veterinary Medicine, Cornell University</i>	
<b>Cornell University College of Agriculture and Life Sciences Leadership Course</b>	Spring 2008
<i>Leadership development for graduate students</i>	
<b>American Society for Microbiology Kadner Institute</b>	Summer 2007
<i>ASM Institute for Graduate Students and Postdoctoral Scientists in Preparation for Careers in Microbiology</i>	
<b>Women in Science at Cornell</b>	2005-2007
<i>Cornell University</i>	
<b>Introduction to Microarray Technology Workshop</b>	2006
<i>J. Craig Venter Institute</i>	
<b>Food Science Club</b>	2004
<i>Department of Food Science, Cornell University</i>	
<b>Food Science Club</b>	2000-2004
<i>Department of Animal Science, University of Wyoming</i>	
<b>Intercollegiate Meats Judging Team</b>	2000-2003
<i>Member, assistant coach, Department of Animal Science, University of Wyoming</i>	
<b>YOUTH AND COMMUNITY ACTIVITIES:</b>	
<b>Spring Fest</b>	Spring 2011-2015
<i>Purdue University College of Agriculture Science Outreach</i>	
<b>Girls Inc. Design</b>	Spring 2012
<i>Shelby County Girls Organization, Food Safety Design Challenge</i>	
<b>Food Science Bioexplorations, Cornell University</b>	Spring & Fall 2007, Fall 2006, Spring 2005
<i>Freshman Food Science exploration program</i>	
<b>ACE Program for Tompkins and Cortland County Schools, Ithaca, NY</b>	Summer 2007
<i>Phi Tau Sigma sponsored high school Food Science exploration program</i>	
<b>4-H Summer Program, DNA fingerprinting, Cornell University</b>	Summer 2006, 2007
<i>Hands-on laboratory experience for local 4-H members</i>	
<b>Expanding Your Horizons, Cornell University</b>	Spring 2005
<i>Math and science conference for middle school girls</i>	
<b>State of Wyoming Junior High Science Fair, University of Wyoming</b>	Spring 2004
<i>Judge, molecular biology division</i>	
<b>4-H and FFA Annual Meats Judging Training and Contests, University of Wyoming</b>	Spring 2001-2004

*Organized practice workouts and officiated state-wide competitions*

## **SERVICE AND LEADERSHIP**

### **Department of Food Science, Purdue University**

Undergraduate curricula committee chair (2016-present)  
Undergraduate curricula committee member (2010-present)  
Adjunct faculty ad-hoc committee member  
IFT College bowl team coach (2012-2013)  
Food Safety Extension Faculty search committee (2012)  
Department Head search committee (2013)  
Strategic plan revision committee  
Undergraduate Food Science Club advisor

### **College of Agriculture, Purdue University**

Women in Science, College of Agriculture, co-leader (2014-present)  
Graduate Women in the College of Agriculture Advisor (2015-present)  
College of Agriculture Strategic Plan committee member (2015)  
Curriculum and Student Relations Committee (2011-2014)  
Staff A & P Committee representative (2013)

### **Purdue University**

World Food Prize Youth Institute 2015 Judge  
Purdue University Center for Instructional Excellence Graduate Teaching Assistant Orientation Group Leader  
Purdue University Soy Competition, team coach, Indiana Soy Alliance (2012)  
Purdue University Office of the Provost New Faculty Orientation speaker (2012)  
Co-chair Purdue Young Faculty Association sponsored by the Provost (2012)  
President's Council Back to Class speaker (2012)

### **Professional**

Applied and Environmental Microbiology Editorial Board (2017-2019)  
Journal of Food Protection Editorial Board (2017-2019)  
USDA NIFA grant panel, September 2014  
Panel member, The Ohio State University, Ohio Agricultural Research and Development Center (OARDC)  
Research Enhancement Competitive Grants Program  
Food Protections Tends Editorial Board  
Co-Chair Conference for Food Protection *Listeria* in Retail Committee  
Adjunct Professor, Texas Tech University  
IFT 360 program Leadership development