

## **Haley F. Oliver**

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1224 Chenoweth Lane  
West Lafayette, IN 47906  
765.491.4775

Department of Food Science  
Purdue University  
West Lafayette, IN 47907  
765.496.3913

### **EDUCATION:**

#### **Cornell University**

PhD (Food Science, food microbiology specialty; minors in Epidemiology and Microbiology)

Ithaca, NY

June 2009

Dissertation: Contribution of sigma B to stress response and virulence in *Listeria monocytogenes* lineages I, II, IIIA, and IIIB

#### **University of Wyoming**

BS (Microbiology, Food Microbiology subspecialty; Cum Laude)

BS (Molecular Biology; Cum Laude)

Laramie, WY

May 2004

May 2004

### **RESEARCH EXPERIENCE AND TRAINING:**

#### **Purdue University**

Associate Professor

Focus: *L. monocytogenes* and *Salmonella* prevalence, persistence, & virulence; food safety capacity building in Afghanistan; undergraduate education

West Lafayette, IN

August 2015-present

June 2010-July 2015

Assistant Professor

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**

Adjunct Professor

Lubbock, TX

October 2012-present

#### **Cornell University**

Postdoctoral Research Fellow with Dr. Martin Wiedmann

Focus: *L. monocytogenes* in the retail environment; *L. monocytogenes* stress response and virulence

Ithaca, NY

June 2009 – May 2010

#### **Cornell University**

Graduate Research Assistant with Dr. Kathryn J. Boor

Focus: Stress response and other virulence characteristics of *L. monocytogenes* lineages I, II, IIIA, and IIIB

Ithaca, NY

August 2004 – May 2009

#### **U.S. Food and Drug Administration, Center for Veterinary Medicine**

Summer intern with Dr. Haile Yancy, Division of Animal Research

Project: Developing regulatory assays using DNA barcoding

Laurel, MD

Summer 2008

#### **University of Wyoming**

Undergraduate Research Assistant with Dr. Kurt Miller

Laramie, WY

2003 – 2004

Project: Mannose-specific phosphotransferase system involvement in pediocin-AcH resistance in *Listeria innocua*

## PUBLICATIONS:

### Peer Reviewed

- A. M. Pleitner, T. Chapin, S. R. Hammons, A. van Stelten, K. Nightingale, M. Wiedmann, L. Johnston, **H. F. Oliver**. Accepted. Development and evaluation of a multi-institutional case studies-based course in food safety. *J Food Sci Edu*
- S. McCoy, J. W. Chang, K. McNamara, **H. F. Oliver**, and A. Deering. Accepted. Quality and safety attributes of Afghan raisins before and after processing in Afghanistan. *J Food Process Preserve*.
- S. R. Hammons, M. J. Stasiewicz, S. Roof, and H. F. Oliver\*. Accepted. Environmental adenosine triphosphate levels correlate with probability of *Listeria monocytogenes* detection in retail delis. *J Food Prot*.
- J. Wang, A. Ray, S. R. Hammons, and **H. F. Oliver**. 2015. Phenotypic and genotypic characterization of persistent and transient *Listeria monocytogenes* strains from retail delis. *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. Sauters, 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. Ray, S. Hammons, J. Wang, **H. F. Oliver**. Submitted. 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**. Submitted. Changed course format increased student engagement and met additional IFT core competencies for food science curricula
- A. G. Shenoy, H. F. Oliver, A. Deering. Submitted. 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**. Submitted. 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**. Submitted. 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. 100<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 R A 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

#### **INVITED TALKS and other presentations**

**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 Nutrition & 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.

**TEACHING EXPERIENCE:**

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

**Symposiums, Workshops, International training**

**Afghanistan Ministry of Agriculture, Irrigation, and Livestock Border Inspection Training** -- Kabul, Afghanistan August 2014. September 2014

**Afghanistan Ministry of Agriculture, Irrigation, and Livestock and Ministry of Public Health Foodborne Pathogen Laboratory Training** -- Kabul, Afghanistan September 2014

**Cantaloupe Packhouse Inspections—Bringing in the Harvest—Preparing in for the 2014 Melon Season.** Indiana cantaloupe growers. Vincennes, IN June 2014

**Afghanistan Ministry of Agriculture, Irrigation, and Livestock Meat Inspection Training** -- Kabul, Afghanistan May 2014

**Afghanistan Ministry of Agriculture, Irrigation, and Livestock and Ministry of Public Health Basic Laboratory Training** -- Kabul, Afghanistan May 2014

**Thirty-first annual Aseptic Processing and Packaging Workshop.** 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)**

Aaron Pleitner, Ph.D.	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)**

Clara Assisi, Ph.D. Student	January 2013 - present
Susan Hammons, Ph.D. student	May 2014 - present
Andrea Ray, Ph.D. student	January 2012 - present
Archana Shenoy, M.S. student	August 2013 - present

**Graduate Research Assistants Committee Member**

Sydney Corkran, FDSC, Purdue University	March 2014 - present
Matthew Bailey, FDSC, Purdue University	March 2014 - present
Alex Brant, ANSC, Texas Tech University	January 2012 - present
Yingying Hong, ANSC, Purdue University	January 2012 - present
Chris Bach, BTNY, Purdue University	January 2012 - present
Stacy McCoy, AGECE, Purdue University	August 2012 - present
Brittany Peterson, ENTM, Purdue Univ. prelim	Fall 2013

**Undergraduate research assistants, Purdue University**

Melissa Galazio	August 2014 - present
Daniel Moore	February 2014 - present
Alex Katubig	January 2014 - present
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 - May2013
Peter Cook, Biology and Food Science major	April 2011 - May2013
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, Zamarano 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

**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.** 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.

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

<b>United States Department of Agriculture New Teacher Award</b>	2014
National Early Career Teaching Award	
<b>IMPACT Fellow</b>	2012-2013
<i>Purdue University Provost Initiative for Course Re-design</i>	
<b>Teaching for Tomorrow Fellow</b>	2013-2014
<i>Purdue University Provost Initiative for Improved Instruction</i>	
<b>Richard L. Kohls Outstanding Early Career Award</b>	2013
<i>Purdue University College of Agriculture</i>	
<b>Under 40 Dedicated to Finding a Solution to the 2050 Challenge</b>	2013
<i>Vance Publishing</i>	
<b>Millionaire's Club</b>	2013
<i>Purdue University College of Agriculture</i>	
<b>Outstanding Undergraduate Teaching Award</b>	2011, 2012, 2013
<i>Purdue University Department of Food Science</i>	
<b>Outstanding Academic Counseling Award</b>	2012, 2013
<i>Purdue University Department of Food Science</i>	
<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 and Postdoctoral 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

**PROFESSIONAL ASSOCIATION MEMBERSHIPS:**

International Association for Food Protection (IAFP) (*since 2007*)  
North American Colleges and Teachers of Agriculture (NACTA) (*since 2010*)

Institute of Food Technologist (*since 2013*)  
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:**

**Purdue University IMPACT Program**

*Purdue University Course Redesign Program*

Fall 2012-present

**IFT 360 Leadership Program**

*Institute of Food Technologist Leadership Development Program*

Summer 2013

**Purdue University New Faculty Members Program**

*Associate Dean of Research New Faculty Orientation Series*

Fall 2010-2013

**Purdue University Conference for Pre-Tenured Faculty Women**

*Leadership development for junior faculty women*

Fall 2011

**Cornell University Postdoctoral Leadership Program**

*Leadership development for graduate students*

Fall 2010

**Infection and Pathobiology Program Participant**

*College of Veterinary Medicine, Cornell University*

2004-2009

**Cornell University College of Agriculture and Life Sciences Leadership Course**

*Leadership development for graduate students*

Spring 2008

**American Society for Microbiology Kadner Institute**

*ASM Institute for Graduate Students and Postdoctoral Scientists in Preparation for Careers in Microbiology*

Summer 2007

**Women in Science at Cornell**

*Cornell University*

2005-2007

**Introduction to Microarray Technology Workshop**

*J. Craig Venter Institute*

2006

**Food Science Club**

*Department of Food Science, Cornell University*

2004

**Food Science Club**

*Department of Animal Science, University of Wyoming*

2000-2004

**Intercollegiate Meats Judging Team**

*Member, assistant coach, Department of Animal Science, University of Wyoming*

2000-2003

**YOUTH AND COMMUNITY ACTIVITIES:**

**Girls Inc. Design**

Spring 2012

*Shelby County Girls Organization, Food Safety Design Challenge*

**Food Science Bioexplorations, Cornell University**

Spring & Fall 2007, Fall

<i>Freshman Food Science exploration program</i>	2006, Spring 2005
<b>ACE Program for Tompkins and Cortland County Schools, Ithaca, NY</b>	
<i>Phi Tau Sigma sponsored high school Food Science exploration program</i>	Summer 2007
<b>4-H Summer Program, DNA fingerprinting, Cornell University</b>	
<i>Hands-on laboratory experience for local 4-H members</i>	Summer 2006, 2007
<b>Expanding Your Horizons, Cornell University</b>	
<i>Math and science conference for middle school girls</i>	Spring 2005
<b>State of Wyoming Junior High Science Fair, University of Wyoming</b>	
<i>Judge, molecular biology division</i>	Spring 2004
<b>4-H and FFA Annual Meats Judging Training and Contests, University of Wyoming</b>	
<i>Organized practice workouts and officiated state-wide competitions</i>	Spring 2001-2004

### **SERVICE AND LEADERSHIP**

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

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

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

Women in Science, College of Agriculture, co-organizer  
 Curriculum and Student Relations Committee (2011-2014)  
 Staff A & P Committee representative (2013)

#### **Purdue University**

Purdue University Center for Instructional Excellence Graduate Teaching Assistant Orientation Group Leader  
 Purdue University Goat Club Co-advisor  
 Purdue University Gymnastics Club advisor  
 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**

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