

Curriculum Vitae
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Academic Appointments at UMD

- 2006-present Professor, Department of Nutrition and Food Science
- 2001-2006 Associate Professor, Department of Nutrition and Food Science
- 2001- 2004 Director, Graduate Program in Food Science
- 1996-2001 Assistant Professor, Department of Nutrition and Food Science

Administrative Appointments at UMD

- 2019-present Director, Center for Food Safety and Security Systems (CFS3)
- 2016-2018 Acting Director, Center for Food Safety and Security Systems (CFS3)
- 2009-present Director, Joint Institute for Food Safety & Applied Nutrition (JIFSAN)
- 2007-2009 Interim Director, Joint Institute for Food Safety & Applied Nutrition (JIFSAN)

Other Employment

- 1992-1996 Postdoctoral Research Associate, Center for Food Safety & Quality Enhancement, University of Georgia, Griffin, Georgia
- 1987-1992 Post Graduate Research Assistant, Department of Epidemiology & Preventive Medicine, University of California, Davis, California

1983-1986 Faculty of Food Hygiene, Department of Veterinary Medicine, Sichuan Agricultural University, Sichuan, China

Educational Background

1983 DVM, Veterinary Medicine, Sichuan Agricultural University, China

1989 Master of Preventive Veterinary Medicine (MPVM), University of California, Davis

1992 Ph.D. Comparative Pathology (major: Microbiology and Public Health; minor: Pathology), University of California, Davis

1993 Postdoctoral Training, Center for Food Safety, University of Georgia

Professional Certifications and Licenses

1996 Better Food Processing School, University of Maryland

1998 Food Thermal Process Development, National Food Processors Association, Dublin, California

2002 Advanced Bacterial Genetics, Cold Spring Harbor Laboratory, New York

2004 DNA Microarray, The Institute of Genomic Research, Rockville, Maryland

2016 Leader Instructor, Preventive Controls for Human Food, Food Safety Preventive Controls Alliance (FSPCA), Crystal City, VA

Awards, Honors and Recognition

1981 Outstanding Student Award, Sichuan Agricultural University, China

1982 Outstanding Student Award, Sichuan Agricultural University, China

1986 Overseas Study Scholarship, the Chinese Ministry of Education

1991 Graduate School Tuition Fellowship, UC, Davis

2005 Commissioner's Special Citation Award, the US Food & Drug Administration

2010 Outstanding Service Award to the National Advisory Committee on Microbiological Criteria for Food, US Department of Agriculture

2010 FDA/CFSAN Director's Special Citation Award on Aquacultural Foods

2010 FDA/CFSAN Exceptional Achievement Award on Food Safety Practices at Retail

- 2013 FDA/CFR Recognition Award on iRisk Development
- 2013 The Dean Gordon Cairns Award for Distinguished Creative Work and Teaching in Agriculture, the UM College of Agriculture and Natural Resources
- 2017 Fellow, Food Systems Leadership Institute, Association of Public and Land-Grant Universities
- 2019 Fellow, American Academy of Microbiology

Book Chapters

1. Gonzalez-Escalona, N., J. Meng, and M.P. Doyle. 2018. Shiga-toxin Producing *Escherichia coli*. In: *Food Microbiology - Fundamentals and Frontiers*, (M.P. Doyle and R. Buchanan eds., 5th edition). American Society for Microbiology, Washington, D.C.
2. Meng, J., P. Fratamico, and P. Feng. 2015. Pathogenic *Escherichia coli*. In: *Compendium of Methods for the Microbiological Examination of Foods*, (C. Vanderzant D. Splittstoesser, eds., 4th edition). American Public Health Association, Washington, DC.
3. Doyle, M.P, L.R. Steenson, J. Meng. 2013. Bacteria in food and beverage production. In: *The Prokaryotes, a Handbook on the Biology of Bacteria: Ecophysiology, Isolation, Identification, Application*, (E. Rosenberg et al. eds.). Springer-Verlag, Berlin Heidelberg.
4. Meng, J., Doyle, M.P., T. Zhao, and S. Zhao. 2013. Enterohemorrhagic *Escherichia coli*. In: *Food Microbiology - Fundamentals and Frontiers*, (M.P. Doyle and R. Buchanan eds., 4th edition). American Society for Microbiology, Washington, D.C.
5. Bell, R.L., G. Cao, J. Meng, M. W. Allard, C. Keys, T. Hill, A. Ottesen and E. W. Brown. 2012. *Salmonella* Newport contamination of produce: ecological, genetic and epidemiological aspects. In: *Salmonella: Classification, Genetics and Disease*.(Adelaide S. Monte and Paulo Eduardo De Santos, eds.). Nova Publishers, Hauppauge, NY.
6. Yan, X., Y. Peng, J. Meng, J. Ruzante, P. M. Fratamico, L. Huang, V. Juneja, D. S. Needleman. 2010. From Ontology Selection and Semantic Web to an Integrated Information System for Food-Borne Diseases and Food Safety, In: *Software Tools and Algorithms for Biological Systems*, Springer.
7. Schroeder, C. M. and J. Meng. 2007. *Echerichia coli*. In. *Foodborne Diseases*, (S. Simjee, ed). Humana Press, Totowa, NJ.
8. Meng, J., Doyle, M.P., T. Zhao, and S. Zhao. 2007. Enterohemorrhagic *Escherichia coli*. In: *Food Microbiology - Fundamentals and Frontiers*, (M.P. Doyle and L.R. Beuchat eds., 3rd edition). American Society for Microbiology, Washington, D.C.

9. White, D.G., S. Zhao, S. Simjee, J. Meng, R.D. Walker, and P.F. McDermott. 2004. Prevalence of antibiotic resistant bacteria in retail foods. In: *Pre-harvest and post-harvest food safety: Contemporary issues and future directions*, (R.C. Beier, S.D. Pillai, T.D. Philips). Blackwell Press, Ames, IA.
10. Meng, J., P. Feng, and M.P. Doyle. 2001. Pathogenic *Escherichia coli*. In: *Compendium of Methods for the Microbiological Examination of Foods*, (C. Vanderzant D. Splittstoesser, eds., 4th edition). American Public Health Association, Washington, DC.
11. Meng, J., Doyle, M.P., T. Zhao, and S. Zhao. 2001. Enterohemorrhagic *Escherichia coli*. In: *Food Microbiology - Fundamentals and Frontiers*, (M.P. Doyle, L.R. Beuchat and T.J. Montville, eds., 2nd edition). American Society for Microbiology, Washington, D.C.
12. Meng, J. and M.P. Doyle. 1999. Bacteria in food and beverage production. In: *The Prokaryotes, a Handbook on the Biology of Bacteria: Ecophysiology, Isolation, Identification, Application*, (M. Dworkin, eds., 3rd ed). Springer-Verlag, New York, NY.
13. Meng, J., and M.P. Doyle. 1998. Microbiology of Shiga toxin-producing *Escherichia coli* in food. In: *Escherichia coli O157:H7 and other Shiga toxin-producing E. coli*, (J.B. Kaper and A. Obrien, ed.). American Society for Microbiology, Washington, D.C.
14. Doyle, M.P., T. Zhao, T., J. Meng, and S. Zhao. 1997. *Escherichia coli* O157:H7. In: *Food Microbiology - Fundamentals and Frontiers*, (M.P. Doyle, L.R. Beuchat and T.J. Montville, ed.). American Society for Microbiology, Washington, D.C.
15. Zhao, S., J. Meng, T. Zhao, and M.P. Doyle. 1996. Use of vaccine and biological control techniques to control pathogens in animals used for food. In: *HACCP: An Integrated Approach to Assuring the Microbiological Safety of Meat and Poultry*, (J.J. Sheridan, R.L. Buchanan and T.J. Montville, ed.). Food & Nutrition Press, Inc., Trumbull, CT.

Articles in Refereed Journals

1. Su X, Cao G, Zhang J, Pan H, Zhang D, Kuang D, Yang X, Xu X, Shi X, Meng J. 2019. Characterization of internalin genes in *Listeria monocytogenes* from food and humans, and their association with the invasion of Caco-2 cells. *Gut Pathogens* 11:30.
2. Peng M, Tabashsum Z, Patel P, Bernhardt C, Biswas C, Meng J, Biswas D. 2019. Prevention of enteric bacterial infections and modulation of gut microbiota composition with conjugated linoleic acids producing *Lactobacillus* in mice. *BioRxiv*:571117.
3. Li Z, Yuan Y, Yue T, Meng J. 2019. Detection of 5-HMF in apple juice with artificial sensing systems. *International Journal of Food Science & Technology*. 54: 2679-2689.
4. Li Z, Yuan Y, Yao Y, Wei X, Yue T, Meng J. 2019. Formation of 5-hydroxymethylfurfural in industrial-scale apple juice concentrate processing. *Food Control*. 102: 122-130.

5. Tyson GH, Bodeis-Jones S, Caidi H, Cook K, Dessai U, Haro J, McCullough AE, Meng J, Morales CA, Lawrence JP. 2018. Proposed Epidemiological Cutoff Values for Ceftriaxone, Cefepime, and Colistin in Salmonella. *Foodborne pathogens and disease* 15:701-704
6. Noll LW, Worley JN, Yang X, Shridhar PB, Ludwig JB, Shi X, Bai J, Caragea D, Meng J, Nagaraja TG. 2018. Comparative genomics reveals differences in mobile virulence genes of *Escherichia coli* O103 pathotypes of bovine fecal origin. *PloS one* 13:e0191362.
7. Yang S, Gao X, Meng J, Zhang A, Zhou Y, Long M, Li B, Deng W, Jin L, Zhao S, Wu D, He Y, Li C, Liu S, Huang Y, Zhang H, Zou L. 2018. Metagenomic Analysis of Bacteria, Fungi, Bacteriophages, and Helminths in the Gut of Giant Pandas. *Front Microbiol* 9:1717.
8. Kuang D, Zhang J, Xu X, Shi W, Yang X, Su X, Shi X, Meng J. 2018. Increase in Ceftriaxone Resistance and Widespread Extended-Spectrum beta-Lactamases Genes Among *Salmonella enterica* from Human and Nonhuman Sources. *Foodborne Pathog Dis* 15:770-775
9. Gao X, Yang X, Noll L, Shi X, Worley J, Allard M, Brown E, Nagaraja TG, Meng J. 2018. Whole genome shotgun sequencing revealed highly polymorphic genome regions and genes in *Escherichia coli* O157:H7 isolates collected from a single feedlot. *PLoS One* 13:e0202775.
10. Worley, J, J. Meng, M. Allard, E. Brown, and R. Timme. 2018. *Salmonella enterica* phylogeny based on whole genome sequencing reveals two new clades and novel patterns of horizontally acquired genetic elements. *MBio* 9.
11. Zhang Z, Cao C, Liu B, Xu X, Yan Y, Cui S, Chen S, Meng J, Yang B. 2018. Comparative Study on Antibiotic Resistance and DNA Profiles of *Salmonella enterica* Serovar Typhimurium Isolated from Humans, Retail Foods, and the Environment in Shanghai, China. *Foodborne Pathog Dis* doi:10.1089/fpd.2017.2414.
12. Kuang D, Zhang J, Xu X, Shi W, Chen S, Yang X, Su X, Shi X, Meng J. 2018. Emerging high-level ciprofloxacin resistance and molecular basis of resistance in *Salmonella enterica* from humans, food and animals. *Int J Food Microbiol* 280:1-9.
13. Chen K, Dong N, Zhao S, Liu L, Li R, Xie M, Lin D, Chan EW, Meng J, McDermott PF, Chen S. 2018. Identification and characterization of conjugative plasmids that encode ciprofloxacin resistance in *Salmonella*. *Antimicrob Agents Chemother* doi:10.1128/AAC.00575-18.
14. Li S, Wang P, Zhao J, Zhou L, Zhang P, Fu C, Meng J, Wang X. 2018. Characterization of Toxin Genes and Antimicrobial Susceptibility of *Staphylococcus aureus* from Retail Raw Chicken Meat. *Journal of food protection* 81:528-533.
15. Cao G, Allard M, Hoffmann M, Muruvanda T, Luo Y, Payne J, Meng K, Zhao S, McDermott P, Brown E, Meng J. 2018. Sequence Analysis of IncA/C and IncII Plasmids Isolated from Multidrug-Resistant *Salmonella* Newport Using Single-Molecule Real-Time Sequencing. *Foodborne pathogens and disease*. 15:361-371.

16. Worley JN, Flores KA, Yang X, Chase JA, Cao G, Tang S, Meng J, Atwill ER. 2017. Prevalence and genomic characterization of *Escherichia coli* O157: H7 in cow-calf herds throughout California. *Applied and environmental microbiology*:AEM. 00734-00717.
17. Zhan Z, Kuang D, Liao M, Zhang H, Lu J, Hu X, Ye Y, Meng J, Xu X, Zhang J. 2017. Antimicrobial Susceptibility and Molecular Typing of *Salmonella* Senftenberg Isolated from Humans and Other Sources in Shanghai, China, 2005 to 2011. *Journal of food protection* 80:146-150.
18. Wang Y, Cao C, Alali WQ, Cui S, Li F, Zhu J, Wang X, Meng J, Yang B. 2017. Distribution and Antimicrobial Susceptibility of Foodborne *Salmonella* Serovars in Eight Provinces in China from 2007 to 2012 (Except 2009). *Foodborne Pathogens and Disease*.
19. Su X, Cao G, Kuang D, Zhang J, Chen Y, Allard M, Brown E, Shi X, Meng J, Xu X. 2017. Draft Genome Sequences of Three *Listeria monocytogenes* Isolates from Foods in China. *Genome announcements* 5:e00220-00217.
20. Noll LW, Worley JN, Yang X, Shridhar PB, Bai J, Meng J, Caragea D, Nagaraja T. 2017. Draft Genome Sequences of Enteropathogenic *Escherichia coli* O103 Strains Isolated from Feces of Feedlot Cattle. *Genome Announcements* 5:e00387-00317.
21. Meng X, Zhang Z, Li K, Wang Y, Xia X, Wang X, Xi M, Meng J, Cui S, Yang B. 2017. Antibiotic Susceptibility and Molecular Screening of Class I Integron in *Salmonella* Isolates Recovered from Retail Raw Chicken Carcasses in China. *Microbial Drug Resistance* 23:230-235.
22. Zhang J, Kuang D, Wang F, Meng J, Jin H, Yang X, Liao M, Klena JD, Wu S, Zhang Y. 2016. Turtles as a Possible Reservoir of Nontyphoidal *Salmonella* in Shanghai, China. *Foodborne pathogens and disease* 13:428-433.
23. Zhang J, Cao G, Xu X, Allard M, Li P, Brown E, Yang X, Pan H, Meng J. 2016. Evolution and diversity of *Listeria monocytogenes* from clinical and food samples in Shanghai, China. *Frontiers in microbiology* 7.
24. Zhan Z, Kuang D, Liao M, Zhang H, Lu J, Hu X, Ye Y, Meng J, Xu X, Zhang J. 2016. Antimicrobial Susceptibility and Molecular Typing of *Salmonella* Senftenberg Isolated from Humans and Other Sources in Shanghai, China, 2005 to 2011. *Journal of food protection* 80:146-150.
25. Su X, Zhang J, Shi W, Yang X, Li Y, Pan H, Kuang D, Xu X, Shi X, Meng J. 2016. Molecular characterization and antimicrobial susceptibility of *Listeria monocytogenes* isolated from foods and humans. *Food Control* 70:96-102.
26. Pan H, Ge Y, Xu H, Zhang J, Kuang D, Yang X, Su X, Huang Z, Shi X, Xu X. 2016. Molecular characterization, antimicrobial resistance and caco-2 cell invasion potential of

Campylobacter jejuni/coli from young children with diarrhea. *The Pediatric infectious disease journal* 35:330-334.

27. Huang Z, Pan H, Zhang P, Cao X, Ju W, Wang C, Zhang J, Meng J, Yuan Z, Xu X. 2016. Prevalence and antimicrobial resistance patterns of diarrheagenic *Escherichia coli* in Shanghai, China. *The Pediatric infectious disease journal* 35:835-839.
28. Gonzalez-Escalona N, Toro M, Rump LV, Cao G, Nagaraja T, Meng J. 2016. Virulence gene profiles and clonal relationships of *Escherichia coli* O26: H11 isolates from feedlot cattle as determined by whole-genome sequencing. *Applied and environmental microbiology* 82:3900-3912.
29. Hoffmann M, Luo Y, Monday SR, Gonzalez-Escalona N, Ottesen AR, Muruvanda T, Wang C, Kastanis G, Keys C, Janies D, Senturk IF, Catalyurek UV, Wang H, Hammack TS, Wolfgang WJ, Schoonmaker-Bopp D, Chu A, Myers R, Haendiges J, Evans PS, Meng J, Strain EA, Allard MW, Brown EW. 2016. Tracing Origins of the *Salmonella* Bareilly Strain Causing a Food-borne Outbreak in the United States. *J Infect Dis.* 213: 499-501.
30. Cao G, Allard MW, Hoffmann M, Monday SR, Muruvanda T, Luo Y, Payne J, Rump L, Meng K, Zhao S. 2015. Complete sequences of six *IncA/C* plasmids of multidrug-resistant *Salmonella enterica* subsp. *enterica* serotype Newport. *Genome announcements* 3:e00027-00015.
31. Cao G, Zhang J, Xu X, Jin H, Yang X, Pan H, Allard M, Brown E, Meng J. 2015. Whole-genome sequences of 12 clinical strains of *Listeria monocytogenes*. *Genome announcements* 3:e01203-01214.
32. Liu Y, Yan X, DebRoy C, Fratamico PM, Needleman DS, Li RW, Wang W, Losada L, Brinkac L, Radune D, Toro M, Hegde N, Meng J. 2015. *Escherichia coli* O-antigen gene clusters of serogroups O62, O68, O131, O140, O142, and O163: DNA sequences and similarity between O62 and O68, and PCR-based serogrouping. *Biosensors* 5:51-68.
33. Shen J, Rump L, Ju W, Shao J, Zhao S, Brown E, Meng J. 2015. Virulence characterization of non-O157 Shiga toxin-producing *Escherichia coli* isolates from food, humans and animals. *Food microbiology* 50:20-27.
34. Toro M, Rump L, Cao G, Meng J, Brown E, Gonzalez-Escalona N. 2015. Simultaneous presence of insertion sequence-excision enhancer (IEE) and insertion sequence IS629 correlates with increased diversity and virulence in Shiga-toxin producing *Escherichia coli* (STEC). *J Clin Microbiol* 53:3466-3473.
35. Yang X, Kuang D, Meng J, Pan H, Shen J, Zhang J, Shi W, Chen Q, Shi X, Xu X, Zhang J. 2015. Antimicrobial Resistance and Molecular Typing of *Salmonella* Stanley Isolated from Humans, Foods, and Environment. *Foodborne Pathog Dis* 12:945-949.

36. Yang Q, Wang F, Jones KL, Meng J, Prinyawiwatkul W, Ge B. 2015. Evaluation of loop-mediated isothermal amplification for the rapid, reliable, and robust detection of *Salmonella* in produce. *Food Microbiol* 46:485-493.
37. Toro M, Cao G, Rump L, Nagaraja TG, Meng J, Gonzalez-Escalona N. 2015. Genome Sequences of 64 Non-O157:H7 Shiga Toxin-Producing *Escherichia coli* Strains. *Genome Announc* 3.
38. Pan H, Ge Y, Xu H, Zhang J, Kuang D, Yang X, Su X, Huang Z, Shi X, Xu X, Meng J. 2015. Molecular Characterization, Antimicrobial Resistance and Caco-2 Cell Invasion Potential of *Campylobacter Jejuni/Coli* from Young Children with Diarrhea. *Pediatr Infect Dis J*. 35(3):330-4
39. Kuang D, Xu X, Meng J, Yang X, Jin H, Shi W, Pan H, Liao M, Su X, Shi X, Zhang J. 2015. Antimicrobial susceptibility, virulence gene profiles and molecular subtypes of *Salmonella* Newport isolated from humans and other sources. *Infect Genet Evol* 36:294-299.
40. Hao D, Xing X, Li G, Wang X, Zhang M, Zhang W, Xia X, Meng J. 2015. Prevalence, toxin gene profiles, and antimicrobial resistance of *Staphylococcus aureus* isolated from quick-frozen dumplings. *J Food Prot* 78:218-223.
41. Wang Y, Liu C, Zhang Z, Hu Y, Cao C, Wang X, Xi M, Xia X, Yang B, Meng J. 2015. Distribution and Molecular Characterization of *Salmonella enterica* Hypermutators in Retail Food in China. *Journal of Food Protection*. 78:1481-1487.
42. Wu H, Wang Y, Wu Y, Qiao J, Li H, Zheng S, Xia X, Cui S, Wang X, Xi M, Meng, J. Yang, B. 2015. Emergence of β -Lactamases and Extended-Spectrum β -Lactamases (ESBLs) Producing *Salmonella* in Retail Raw Chicken in China. *Foodborne pathogens and disease* 12:228-234.
43. Yang Q, Wang F, Jones KL, Meng J, Prinyawiwatkul W, Ge B. 2015. Evaluation of loop-mediated isothermal amplification for the rapid, reliable, and robust detection of *Salmonella* in produce. *Food microbiology* 46:485-493.
44. Zhang J, Yang X, Kuang D, Shi X, Xiao W, Zhang J, Gu Z, Xu X, Meng J. 2015. Prevalence of antimicrobial resistance of non-typhoidal *Salmonella* serovars in retail aquaculture products. *Int J Food Microbiol* 210:47-52.
45. Wang Y, Yang B, Cui Y, Alali WQ, Xia X, Xi M, Wang X, Shi X, Wang D, Meng J. 2015. Subtyping of *Salmonella* isolates on retail raw chicken in China by pulsed-field gel electrophoresis and plasmid analysis. *Food Control* 47:420-426.
46. Rump LV, Gonzalez-Escalona N, Ju W, Wang F, Cao G, Meng S, Meng J. 2015. Genomic Diversity and Virulence Profiles of Historical *Escherichia coli* O157 Strains Isolated from Clinical and Environmental Sources. *Applied and environmental microbiology* 81:569-577.

47. Li G, Wu C, Wang X, Meng J. 2015. Prevalence and characterization of methicillin susceptible *Staphylococcus aureus* ST398 isolates from retail foods. *International journal of food microbiology* 196:94-97.
48. Pan H, Zhang J, Kuang D, Yang X, Ju W, Huang Z, Guo J, Li Y, Zhang P, Shi W, Jin H, Shi X, Xu X, Meng J. 2015. Molecular analysis and antimicrobial susceptibility of enterotoxigenic *Escherichia coli* from diarrheal patients. *Diagnostic microbiology and infectious disease* 81:126-131.
49. Wang Y, Yang B, Wu Y, Zhang Z, Meng X, Xi M, Wang X, Xia X, Shi X, Wang D, Meng J. 2015. Molecular characterization of *Salmonella enterica* serovar Enteritidis on retail raw poultry in six provinces and two National cities in China. *Food microbiology* 46:74-80.
50. Zhang J, Wang F, Jin H, Hu J, Yuan Z, Shi W, Yang X, Meng J, Xu X. 2015. Laboratory monitoring of bacterial gastroenteric pathogens *Salmonella* and *Shigella* in Shanghai, China 2006–2012. *Epidemiology and infection* 143:478-485.
51. Zou L, Meng J, McDermott PF, Wang F, Yang Q, Cao G, Hoffmann M, Zhao S. 2014. Presence of disinfectant resistance genes in *Escherichia coli* isolated from retail meats in the USA. *Journal of Antimicrobial Chemotherapy* 69:2644-2649.
52. Zhang Z, Meng X, Wang Y, Xia X, Wang X, Xi M, Meng J, Shi X, Wang D, Yang B. 2014. Presence of *qnr*, *aac* (6')-Ib, *qep* A, *oqx* AB, and Mutations in Gyrase and Topoisomerase in Nalidixic Acid-Resistant *Salmonella* Isolates Recovered from Retail Chicken Carcasses. *Foodborne pathogens and disease* 11:698-705.
53. Zhang J, Wang F, Jin H, Hu J, Yuan Z, Shi W, Yang X, Meng J, Xu X. 2014. Laboratory monitoring of bacterial gastroenteric pathogens *Salmonella* and *Shigella* in Shanghai, China 2006–2012. *Epidemiology and infection*:1-8.
54. Zhang J, Jin H, Hu J, Yuan Z, Shi W, Yang X, Xu X, Meng J. 2014. Antimicrobial resistance of *Shigella* spp. from humans in Shanghai, China, 2004–2011. *Diagnostic microbiology and infectious disease* 78:282-286.
55. Zhang J, Jin H, Hu J, Yuan Z, Shi W, Ran L, Zhao S, Yang X, Meng J, Xu X. 2014. Serovars and antimicrobial resistance of non-typhoidal *Salmonella* from human patients in Shanghai, China, 2006–2010. *Epidemiology and infection* 142:826-832.
56. Yang B, Zhao H, Cui S, Wang Y, Xia X, Xi M, Wang X, Meng J, Ge W. 2014. Prevalence and characterization of *Salmonella enterica* in dried milk-related infant foods in Shaanxi, China. *Journal of dairy science* 97:6754-6760.
57. Yang B, Wang Q, Cui S, Wang Y, Shi C, Xia X, Xi M, Wang X, Shi X, Wang D. 2014. Characterization of extended-spectrum beta-lactamases-producing *Salmonella* strains isolated from retail foods in Shaanxi and Henan Province, China. *Food Microbiology* 42:14-18.

58. Yang B, Cui Y, Shi C, Wang J, Xia X, Xi M, Wang X, Meng J, Alali WQ, Walls I. 2014. Counts, Serotypes, and Antimicrobial Resistance of *Salmonella* Isolates on Retail Raw Poultry in the People's Republic of China. *Journal of Food Protection*. 77:894-902.
59. Xing X, Li G, Zhang W, Wang X, Xia X, Yang B, Meng J. 2014. Prevalence, Antimicrobial Susceptibility, and Enterotoxin Gene Detection of *Staphylococcus aureus* Isolates in Ready-to-Eat Foods in Shaanxi, People's Republic of China. *Journal of Food Protection*. 77:331-334.
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61. Wang F, Yang Q, Qu Y, Meng J, Ge B. 2014. Evaluation of a Loop-Mediated Isothermal Amplification Suite for the Rapid, Reliable, and Robust Detection of Shiga Toxin-Producing *Escherichia coli* in Produce. *Applied and environmental microbiology* 80:2516-2525.
62. Toro M, Cao G, Ju W, Allard M, Barrangou R, Zhao S, Brown E, Meng J. 2014. Association of Clustered Regularly Interspaced Short Palindromic Repeat (CRISPR) Elements with Specific Serotypes and Virulence Potential of Shiga Toxin-Producing *Escherichia coli*. *Applied and environmental microbiology* 80:1411-1420.
63. Li G, Wu C, Wang X, Meng J. 2014. Prevalence and characterization of methicillin susceptible *Staphylococcus aureus* ST398 isolates from retail foods. *Int J Food Microbiol* 196:94-97.
64. Yi, S., Xie, J., Liu, N., Li, P., Xu, X., Li, H., Sun, J., Wang, J., Liang, B., Yang, C., Wang, X., Hao R, Wang L, Wu Z, Zhang J, Wang Y, Huang L, Sun Y, Klena JD, Meng J, Qiu S, Song H. 2014. Emergence and prevalence of non-H2S-producing *Salmonella enterica* serovar Senftenberg isolates belonging to novel sequence type 1751 in China. *J. Clin. microbiology*, 52:2557-2565.
65. Kuang D, Zhang J, Meng J, Yang X, Jin H, Shi W, Luo K, Tao Y, Pan H, Xu X. 2014. Antimicrobial Susceptibility and Molecular Typing of *Salmonella* Agona Isolated from Humans and Other Sources. *Foodborne pathogens and disease* 11:844-849.
66. Ju W, Rump L, Toro M, Shen J, Cao G, Zhao S, Meng J. 2014. Pathogenicity islands in Shiga toxin-producing *Escherichia coli* O26, O103, and O111 isolates from humans and animals. *Foodborne Pathog Dis* 11:342-345.
67. Hoffmann M, Zhao S, Pettengill J, Luo Y, Monday SR, Abbott J, Ayers SL, Cinar HN, Muruvanda T, Li C, Allard MW, Whichard J, Meng J, Brown EW, McDermott PF. 2014. Comparative genomic analysis and virulence differences in closely related *Salmonella enterica* serotype heidelberg isolates from humans, retail meats, and animals. *Genome Biol Evol* 6:1046-1068.
68. Hoffmann M, Muruvanda T, Pirone C, Korlach J, Timme R, Payne J, Evans P, Meng J, Brown EW, Allard MW. 2014. First Fully Closed Genome Sequence of *Salmonella enterica*

subsp. enterica Serovar Cubana Associated with a Food-Borne Outbreak. *Genome Announc* 2:e01112-01114.

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71. Cao G, Allard M, Strain E, Stones R, Zhao S, Brown E, Meng J. 2014. Genetic diversity of *Salmonella* pathogenicity islands SPI-5 and SPI-6 in *Salmonella* Newport. *Foodborne Pathog Dis* 11:798-807.
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18. Najjar, M.B., J. Meng, A.V. Kulikovskiy, A.D. Davleev, and P.P. Sorokin. 2009. Risk assessment for human health by poultry carcasses cooling in chlorinated water according to materials of foreign researches. *Poultry & Chicken Products (Russia).* 6:60-65.
19. American Academy of Microbiology. 2010. Global Food Safety: Reducing Risk from Farm to Table.
20. NACMCF. 2010. Parameters for Determining Inoculated Pack/Challenge Study Protocols. *J. Food Prot.* 73:140-202.
21. NACMCF. 2010. Response to Questions Posed by the Food Safety and Inspection Service Regarding Determination of the Most Appropriate Technologies for the Food Safety and Inspection Service To Adopt in Performing Routine and Baseline Microbiological Analyses. *J. Food Prot.* 73:1160–1200.

22. NACMCF. 2010. Assessment of Food as a Source of Exposure to *Mycobacterium avium* subspecies *paratuberculosis* (MAP). *J Food Prot.* 73:1357-97.
23. Grant, M., C. Hedberg, R. Johnson, Janet Harris, C.M. Logue, J. Meng, J. Sofos and J. S. Dickson. 2011. The Significance of Non-O157 Shiga Toxin-producing *Escherichia coli* in Food. *Food Prot. Trend.*
24. Meng, J. and P. Young. 2011. Support for food safety capacity building is not philanthropic, it's just common sense. *Food Safety Magazine.* April/May, 2011.
25. Wang F, Yang Q, Kase JA, Meng J, Clotilde LM, Lin A, Ge B. 2013. Current trends in detecting non-O157 Shiga toxin-producing *Escherichia coli* in food. *Foodborne Pathog Dis* 10:665-677.

Other publications

1. Meng, J. 2002. Book review: verocytotoxigenic *E. coli*. *Food Technol.* 56:133.
2. White, D.G., P. McDermott, J. Meng. 2002. Resistant bacteria in retail meats and antimicrobial use in animals. *Letter in N. England J. Med.* 346:778.

Invited Talks

1. Meng, J. 1994. *Escherichia coli* O157:H7 and its significance in food. Guizhou University, Guiyang, China.
2. Meng, J. 1994. Emerging foodborne pathogens in food animals. Guizhou Veterinary Research Institute, Guiyang, China.
3. Meng, J. 1996. Competitive exclusion as a method to prevent colonization of *Escherichia coli* O157:H7 in cattle. Annual Meeting Society Industrial Microbiology, Research Triangle, NC.
4. Meng, J. 1997. Emerging microbial foodborne pathogens. National Nutrition Center, USDA Beltsville Agricultural Research Center. Beltsville, MD.
5. Meng, J. 1998. Strand displacement amplification (SDA) for detecting Shiga toxin-producing *Escherichia coli*. Food Safety Diagnostics Congress: Novel Techniques. St. Louis, MO.
6. Meng, J. 1998. *Escherichia coli* O157:H7: an agent that has changed food safety system. Food Forum, National Academy of Science, Washington, DC.

7. Meng, J. 1998. Emerging and evolving microbial foodborne pathogens. Beckton and Dickinson, Inc., Sparks, MD
8. Meng, J. 1998. A hard food safety lesson from *Escherichia coli* O157:H7 infection. American Society for Microbiology DC Branch Meeting, Washington, DC
9. Meng, J. 1999. Food safety standards in the United States. Anhui Agricultural University, China.
10. Meng, J. 1999. Food safety and emerging foodborne pathogens. Hefei University of Science and Technology, Anhui, China.
11. Meng, J. 1999. Food safety of fresh produce. Jiangxi Academy of Forestry, Nanchong, China.
12. Meng, J. 1999. HACCP in meat processing plant. Jiangxi Academy of Agricultural Sciences, Nanchong, China.
13. Meng, J. 1999. Antibiotic resistance gene transfer in foodborne bacteria. Yunan University of Science and Technology, Kuming, China.
14. Meng, J. 1999. Detection, subtyping and antibiotic resistance of foodborne enteric pathogens. Iowa State University, Ames, IA.
15. Meng, J. 1999. Rapid methods for detecting enterohemorrhagic *Escherichia coli*. JFSAN Executive Committee Meeting, University of Maryland, College Park, MD
16. Meng, J. 1999. Detection of *E. coli* O157:H7 and other enterohemorrhagic *E. coli* in food. JIFSAN Advisory Council Meeting, University of Maryland, College Park, MD
17. Meng, J. 1999. *Escherichia coli* O157:H7 and Food Safety. The Atlantic Food Development and Processing Conference. Baltimore, MD.
18. Meng, J. 2000. Enterohemorrhagic *E. coli* as significant foodborne pathogens. Maryland Department of Health and Mental Hygiene, Baltimore, MD.
19. Meng, J. 2000. Foodborne diseases: microbial aspects. Cooperate Extension Educators Conference: Current Food Safety Issues. University of Maryland, College Park, MD.
20. Meng, J. 2000. Isolation and characterization of *Campylobacter*, *E. coli* and *Salmonella* from retail meats. Center for Veterinary Medicine, Food & Drug Administration, Laurel, MD.
21. Meng, J. 2001. Foodborne illness and emerging foodborne pathogens in the United States. College of Veterinary Medicine, China Agricultural University, Beijing, China.

22. Meng, J. 2001. Antimicrobial resistance of foodborne pathogens. Institute for Veterinary Drug Inspection and Control, China Ministry of Agriculture, Beijing, China
23. Meng, J. 2001. Bacterial pathogens important to food safety. College of Life Science and Biotechnology, Guizhou University, Guiyang, China.
24. Meng, J. 2001. Characterization of antimicrobial resistance among *Salmonella* isolated from retail meats. National Antimicrobial Resistance Monitoring System Conference, Rockville, MD.
25. Meng, J. 2001. Antimicrobial resistance of Shiga toxin-producing *Escherichia coli*. Annual Meeting of American Society of Microbiology, Orlando, FL.
26. Meng, J. 2001. Prevalence of *Campylobacter*, *Escherichia coli* and *Salmonella* in retail chicken, turkey, pork, and beef from the Greater Washington DC Area. Eastern Food Science Conference XII "The Healthy Foods Challenge", Hunt Valley, MD.
27. Meng, J. 2002. Pathogens in food and foodborne illness. Food Safety and Public Health: Issues for the 21st Century. Central Atlantic States Association of Food and Drug Officials, and Metropolitan Washington Public Health Association. College Park, MD.
28. Meng, J. 2002. Antimicrobial resistance among Shiga toxin-producing *Escherichia coli*. Annual Meeting of JIFSAN Advisory Committee. College Park, MD.
29. Meng, J. 2002. Antimicrobial resistance among Shiga toxin-producing *Escherichia coli*. FDA/CFSAN. College Park, MD.
30. Meng, J. 2002. Microbial safety of retail meat products. National Association of Public Health Laboratories Meeting. Laurel, MD.
31. Meng, J. 2002. Erythromycin and ciprofloxacin resistance in *Campylobacter* isolated from retail meats. JIFSAN Advisory Council Meeting, College Park, MD.
32. Meng, J. 2002. Rapid detection of foodborne pathogens. The University of Maryland BioScience Day, College Park, MD.
33. Meng, J. 2003. Emerging antimicrobial resistance in foodborne pathogens. Keynote lecture, 5th International Symposium on the Epidemiology and control of Foodborne Pathogens in Pork, Crete, Greece.
34. Meng, J. 2003. Molecular mechanisms of erythromycin and ciprofloxacin resistance in *Campylobacter*. JIFSAN Advisory Council Meeting, College Park, MD.
35. Meng, J. 2003. Molecular mechanisms of fluoroquinolone resistance in *Salmonella* and *Campylobacter jejuni/coli*, Aristotle University, Thessaloniki, Greece.

36. Meng, J. 2004. Role of efflux pumps and gyrase mutations on erythromycin and ciprofloxacin resistance in *Campylobacter*. The 5th World Congress Foodborne Infections & Intoxications, Berlin, Germany.
37. Meng, J. 2004. Antimicrobial resistance of foodborne pathogens. Sichuan Agricultural University, Sichuan, China.
38. Meng, J. 2004. Application of advanced technologies to food safety. International Commission on Microbiological Specifications for Foods (ICMS) International Food Safety Conference. Beijing, China.
39. Meng, J. 2004. Current issues in food safety: hot topics and concerns. Workshop on Food Microbiology Specifications, International Life Science Institute (ILSI) – China Focal Point in China, Beijing, China.
40. Meng, J. 2004. Molecular mechanisms of antimicrobial resistance and resistance gene transfer. China Agricultural University, Beijing, China.
41. Meng, J. 2004. Antimicrobial-resistant bacteria in food of animal origin. Veterinary Public Health Section, Food & Environmental Hygiene Department, Hong Kong.
42. Meng, J. 2004. Role of efflux pumps and gyrase mutations on antimicrobial resistance in *Campylobacter*. JIFSAN Annual Research Conference, College Park, MD.
43. Meng, J. 2004. Antimicrobial susceptibility of *Campylobacter* spp. and *Salmonella* serovars isolated from retail organic chickens. The 44th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC.
44. Meng, J. 2005. Fluoroquinolone resistance in *Campylobacter jejuni/coli*: efflux pumps and gyrase A gene mutation. JIFSAN Advisory Council Meeting, College Park, MD.
45. Meng, J. 2005. Antimicrobial resistance of foodborne pathogens: mechanisms and resistance transfer. Department of Population Health and Reproduction, University of California, Davis, CA.
46. Meng, J. 2005. Diarrheagenic *Escherichia coli* and *E. coli* O157:H7. Veterinary Research Center, University of California, Davis, CA
47. Meng, J. 2005. Advanced technologies in food safety: current usage and future applications. Northwest A & F University, Yanglin, China.
48. Meng, J. 2006. Detection of microorganisms in food. “Food safety: Basic Science and Practice in Food Processing” Workshop, Northwest A & F University, Yanglin, China.

49. Meng, J. 2006. Isothermal DNA amplification and biosensor technology of detecting *E. coli* O157:H7 in food. Food Safety & Food Defense Conference, Mid-Atlantic Section of AOAC International, College Park, MD.
50. Meng, J. 2007. Genomic Mutations: Shiga Toxin Variants in *E. coli* and Multidrug Resistance in *Salmonella*. Rutgers University, New Brunswick, NY
51. Meng, J. 2007. Mechanisms of antimicrobial resistance development and transfer. Northwest A & F University, Yanglin, China.
52. Meng, J. 2007. Need for international food safety training. China International Food Safety and Quality Conference, Beijing, China.
53. Meng, J. 2008. Challenges in detection of microorganisms in food. “Food safety, Quality and Control” Symposium, Northwest A & F University, Yanglin, China.
54. Meng, J. 2008. Advanced technologies for pathogen and toxin detection in foods. China International Food Safety and Quality Conference, Beijing, China.
55. Meng, J. 2008. Advanced technologies for detecting foodborne pathogens: current application and limitations. ALA LabAutomation 2008, Palm Spring, CA.
56. Meng, J. 2009. Microbial Safety Interventions in Food Production. Conference on Food Safety and Public Health Frontier: Minimizing Antibiotic Resistance Transmission through the Food Chain. Arlington, VA.
57. Meng, J. 2009. Foodborne pathogens and outbreaks: in introduction. Workshop: Produce Food Safety in Schools, Greenbelt, MD.
58. Meng, J. 2009. Challenges and opportunities of microbial food safety in a changing world. Shanghai Veterinary Research Institute, Shanghai, China.
59. Meng, J. 2009. Antimicrobial resistance, food and health. Online Distance Lecture for Maryland Cooperative Extension. College Park, MD.
60. Meng, J. 2009. Food safety risk analysis at JIFSAN. APEC Workshop “Examination of Hot Issues in Food Safety Risk Analysis”, Singapore.
61. Meng, J. 2009. New technologies in detection, identification and subtyping of microbial pathogens. Food Safety and Public Policy International Conference, Shanghai, China.
62. Meng, J. 2010. Microbial food safety in a changing world, Northwest A & F University, Yanglin, China.
63. Meng, J. 2010. Lesson learned from *Salmonella* Typhimurium outbreak associated with peanut butter. Northwest A & F University, Yanglin, China.

64. Meng, J. 2010. Point mutations in Shiga toxin variants and multidrug resistance in *Salmonella*. Shanghai Jiao Tong University, Shanghai, China.
65. Meng, J. 2010. University Centers of Excellence: leveraging research, education and outreach opportunities. Korean Society of Food Hygiene and Safety, Seoul, South Korea.
66. Meng, J. 2010. Antimicrobial resistance: fundamentals and recent developments. Antimicrobial Resistance Distinguished Seminar Series, FDA Center for Veterinary Medicine. Rockville, MD.
67. Meng, J. 2011. Partnership: key for success in food safety education and training. The Sixth International Forum on Food Safety, Shanghai, China.
68. Meng, J. 2011. Genomics technology and its potential in application to food safety. Yangling International Agri-Science Forum, Yangling, Shaanxi, China.
69. Meng, J. 2012. Challenges and opportunities in microbiological food safety research. International Food Safety Conference, Kuala Lumpur, Malaysia.
70. Meng, J. 2012. *Escherichia coli* O104:H4 outbreak and lessons learned. International Food Safety Conference, Kuala Lumpur, Malaysia.
71. Meng, J. 2012. Foodborne illness surveillance systems. International Symposium on Food Safety Risk Assessment, Beijing, China.
72. Meng, J. 2012. Partnership: key for success in food safety capacity building. International Symposium on Food Safety Risk Assessment, Beijing, China.
73. Meng, J. 2013. A Case Study of Microbial Risk Assessment: *Listeria monocytogenes* in Deli Meats. Food Safety Workshop, Qingdao, China.
74. Meng, J. 2013. Integration of Microbial Genomics to Food Safety Research and Laboratory Surveillance. China Center for Disease Control and Prevention, Beijing, China.
75. Meng, J. 2014. Risk Profile of Emerging Pathogenic Non-O157 Shiga Toxin-Producing *E. coli*. International Symposium on Food Safety Emergency Response, Kunming, China, Oct. 13, 2014
76. Meng, J. 2014. Overview of the United States Food Safety System. The Fourth U.S.-China Health Summit: Innovative Healthcare in the Era of Non-communicable Diseases and Aging Society. Nanjing, P.R. China, October 17-18, 2014.
77. Meng, J. 2015. Traceability - Advanced Technologies for Tracking and Tracing of Foodborne Pathogens. International Symposium on Food Safety Traceability System, Zhuhai, China, Oct. 31, 2015.

78. Meng, J. 2016. Whole Genome Sequencing for Food Safety Surveillance and Research. China National Center for Food Safety Risk Assessment, Beijing, China.
79. Buchanan, B, and J. Meng. 2016. End-product Microbial Testing Versus Process Control in Food Safety Risk Management. China Food and Drug Administration, Beijing, China.
80. Meng, J. 2016. Using Risk Assessment in Reaching Risk Management Decisions. Food Safety Summit, Kunming, China.
81. Meng, J. 2016. Cattle as Major Source of Shiga toxin-producing *E. coli*. International Conference on Global Food Safety and Antimicrobial Resistance. Shenzhen, China.
82. Meng, J. 2017. Food Safety Application of Whole Genome Sequencing. Northwest A&F University, Yanglin, China.
83. Meng, J. 2017. Cattle as Major Source of Human Enterohemorrhagic *E. coli*. Research Seminar at Department of Veterinary Medicine, University of Maryland.
84. Meng, J. 2017. Partnership for Research, Education and Outreach in Food Safety & Applied Nutrition. Hong Kong Polytechnic University.
85. Meng, J. 2017. International Food Safety Capacity Building JIFSANs Experience. International Conference on Food Science and Bioprocess Technology. Dubai, UAE.
86. Meng, J. 2018. Multidrug-resistant *Salmonella*: a Threat to Food Safety and Public Health. The 25th International Pig Veterinary Society Congress, Chongqing, China
87. Meng, J. 2018. Next-Generation Sequencing Technologies and their Applications in Food Safety. Annual Meeting of American Veterinary Medical Association. Denver, CO.
88. Meng, J. 2018. Traceability - Advanced Technologies for Tracking and Tracing of Foodborne Pathogens. Livestock Research Institute, Council of Agriculture, Tainan, Taiwan.
89. Meng, J. 2018. Whole Genome Sequencing Technologies and Food Safety. National Ilan University, Ilan, Taiwan.
90. Meng, J. 2018. GenomeTrakr: Food Safety Application of WGS. Food Safety Symposium of China Center for Food Safety Risk Assessment, Hangzhou, China.
91. Meng, J. 2019. Antimicrobial Resistance Surveillance and Research in the Genomics Era. The 6th International Symposium on Dairy Cow Nutrition and Milk Quality. Beijing, China.

1. Meng, J. and C. Genigeorgis. 1992. Modeling lag phase of *Clostridium botulinum* toxigenesis in cooked turkey meat: effects of temperature, sodium lactate, sodium chloride and spore inoculum. Int. Workshop on Appl. of Pred. Microbiol. & Computer Tech. to Food Industry. Soc. Industrial Microbiol. Tampa, Florida.
2. Meng, J. and C. Genigeorgis. 1993. Probability of nonproteolytic *Clostridium botulinum* spore outgrowth after heat shock in BHI broth with sodium lactate or sodium nitrite, abstr. 665. Abstr. Annu. Meet. IFT, Chicago, IL.
3. Meng, J. and C. Genigeorgis. 1993. Inhibitory effects of sodium lactate on *Clostridium botulinum* toxigenesis in 'sous-vide' products, abstr. 150. Abstr. Annu. Meet. IAMFES, Atlanta, GA.
4. Meng, J., T. Zhao and M.P. Doyle. 1994. Genomic DNA fingerprinting of *Escherichia coli* O157:H7 Isolates by pulsed-field gel electrophoresis, abstr. P-79. Abstr. 94th Annu. Meet. Am. Soc. Microbiol., Las Vegas, NV.
5. Meng, J. and C. Genigeorgis. 1994. Probability of proteolytic *Clostridium botulinum* spore outgrowth after heat shock in BHI broth with sodium lactate or sodium nitrite, abstr. 59C-17. Abstr. Annu. Meet. IFT, Atlanta, GA.
6. Zhao, T., M.P. Doyle, S. Zhao and J. Meng. 1994. The detection and control of *Escherichia coli* O157:H7 in foods, p.263-281. In: *Proceedings of the 3rd International Conference on Food Safety*, (A. Amgar, ed.). Laval, France.
7. Meng, J., S. Zhao and M.P. Doyle. 1995. Polymerase Chain Reaction for Detecting *Escherichia coli* O157:H7, abstr. P-68, p394, Abstr. 95th Annu. Meet. Am. Soc. Microbiol., Washington, D.C.
8. Zhao, S., J. Meng and M.P. Doyle. 1995. A unique outer membrane protein associated with colonization of *Escherichia coli* O157:H7 on human intestinal epithelial cells, abstr. B-9, p167. Abstr. 95th Annu. Meet. Am. Soc. Microbiol., Washington, D.C.
9. Meng, J., and M.P. Doyle. 1996. Genetic similarity of *Escherichia coli* O157:H7 strains isolated from food, cattle and human patients. Abstr. 96th Annu. Meet. Am. Soc. Microbiol., New Orleans, LA.
10. Meng, J., S. Zhao, and M.P. Doyle. 1996. A multiplex PCR for detecting verotoxin-producing *Escherichia coli* O157:H7, Abstr. Annu. Meet. IAMFES, Seattle, WA.
11. Zhao, S., S.E. Mitchell, J. Meng, M.P. Doyle and S. Kresovich. 1996. Cloning, sequencing and expression of a gene upstream of *eaeA* gene of *Escherichia coli* O157:H7. Abstr. 96th Annu. Meet. Am. Soc. Microbiol., New Orleans, LA.

12. Meng, J., T. Zhao and M.P. Doyle. 1996. Competitive exclusion as a method to prevent colonization of *Escherichia coli* O157:H7 in cattle. Abstr. Annu. Meet. Soc. Indus. Microbiol. Research Triangle, NC.
13. Zhao, S., S.E. Mitchell, J. Meng, S. Kresovich, MP Doyle, R Dean, and JW Weller. 1997. Genomic typing of *Escherichia coli* O157:H7 by semi-automated fluorescent AFLP analysis. International Conference on Verotoxin-producing *Escherichia coli*. Baltimore, MD.
14. Meng, J., R.H. Hall. 1998. Application of diagnostic molecular microbiology to detection of enterohemorrhagic *Escherichia coli*. Abstr. 3rd Asian Conference on Food Safety & Nutrition, Beijing, China.
15. Meng, J., S. Zhao, M.P. Doyle. 1998. Antibiotic resistance of *Escherichia coli* O157:H7 isolated from cattle and food. Abstr. Annu. Meet. IAMFES, Nashville, TN.
16. Meng, J., S. Zhao, M.P. Doyle 1998. Virulence genes of Shiga toxin-producing *Escherichia coli* isolated from food, cattle and humans. Abstr. 98th Annu. Meet. Am. Soc. Microbiol., Atlanta, GA.
17. Ingram, D.T., M.A. Kantor, J. Meng. 1998. Survival and growth of *Escherichia coli* O157 during sprouting of inoculated alfalfa seeds. Abstr. Annu. Meet. IAMFES, Nashville, TN.
18. Sudler, R.L. Jr., J. Meng, D.T. Ingram, and L. Liu. 1999. Antibiotic resistance of Gram-negative enteric pathogens isolated from retail meats. Abstr. Annu. Meet. IAMFES, Dearborn, MI.
19. Ge, B., J. Meng, and S. Zhao. 1999. A PCR-ELISA for detecting Shiga toxin-producing *Escherichia coli* in food. Abstr. Annu. Meet. IAMFES, Dearborn, MI.
20. Ingram, D, S. Joseph, S. Zhao and J. Meng. 1999. Evaluation of a dipstick-style ELISA for the detection of *E. coli* O157 in ground beef. Abstr. 99th Annu. Meet. Am. Soc. Microbiol., Chicago, IL.
21. White, D.G., S. Zhao, S. Ayers, S. Gaines, S. Friedman, D. Wagner, C. Debroy, D. Needle, M. Davis and J. Meng. 2000. Characterization of Antimicrobial Resistance among Shiga-Toxin Producing *Escherichia coli* O111 Isolates. Abstr. 100th Annu. Meet. Am. Soc. Microbiol., Los Angeles, CA.
22. Zhao, S., D. White, S. Ayers, S. Friedman, B. Ge, J. Meng, L. English, D. Wagner and S. Gains. 2000. Antibiotic resistance integrons in Shiga toxin-producing *E. coli*. FDA Science Forum, Washington, DC.
23. Sudler, R., D.G. White, S. Ayers, S. Zhao, S. Friedman, D. Wagner, and J. Meng. 2000. Antimicrobial Resistance of *Salmonella* and *Escherichia coli* Isolated from Retail Meat Products. Abstr. 100th Annu. Meet. Am. Soc. Microbiol., Los Angeles, CA.

24. Ge, B., C. Larkin, S. Ahn, M. Jolley, M. Nasir, R. Hall, and J. Meng. 2000. Identification of *Escherichia coli* O157:H7 and other enterohemorrhagic serotypes by EHEC-hlyA targeting, strand displacement amplification and fluorescent polarization readout. Abstr. 100th Annu. Meet. Am. Soc. Microbiol., Los Angeles, CA.
25. Ahn, S., B. Ge, S. Ratnayake, C. Larkin, M. Jolley, M. Nasir, J. Meng, and R. Hall. 2000. Specific Detection of Enterohemorrhagic *E. coli* with PCR Amplification of an EHEC-hlyA Sequence. Abstr. 100th Annu. Meet. Am. Soc. Microbiol., Los Angeles, CA.
26. Zhao, C., Ge, B., De Villena, J., Sudler, R., Yeh, E., and J. Meng. 2000. Presence of *Campylobacter*, *Escherichia coli* and *Salmonella* in Retail Meats. Annu. Meet. Intl. Asso. Food Prot., Atlanta, GA.
27. Zhao, S., D. White, S. Ayers, S. Friedman, B. Ge, J. Meng, L. English, D. Wagner, and S. Gaines. 2000. Characterization of Antibiotic Resistance in Shiga Toxin-Producing *Escherichia coli*. Annu. Meet. IAFP, Atlanta, GA.
28. Simjee S., D.G. White, P.F. McDermott, D.D. Wagner, J. Hayes, and J. Meng. 2000. Prevalence of Streptogramin resistance genes among *Enterococcus faecium* isolates recovered from Retail Meats in the greater Washington DC Area. Abstr. 1st Intl Sym. Resistant Gram-Positive Infections. San Antonio, TX.
29. Ge, B., S. Zhao, S. A. Gaines, S. Friedman, and J. Meng. 2001. Genomic DNA Fingerprinting of *Campylobacter* Isolated from Retail Poultry Meats by Ribotyping and Pulsed-Field Gel Electrophoresis. 101st Annu. Meet. Am. Soc. Microbiol., Orlando, FL.
30. Yang, H., S. Chen, D.G. White, S. Zhao, F. De Villena, and J. Meng. 2001. Multiple Antimicrobial Resistance in Porcine *Escherichia coli* Isolated in China. 101st Annu. Meet. Am. Soc. Microbiol., Orlando, FL.
31. Zhao, S., D.G. White, R.D. Walker, P.F. McDermott, S. Friedman, L. English, S. Ayers, J. Meng, J. Maurer, and R. Holland. 2001. Identification and expression of the cephamycinase bla-cmy gene of *Escherichia coli* and *Salmonella* isolated from animals and food. 101st Annu. Meet. Am. Soc. Microbiol., Orlando, FL.
32. Simjee, S, D.G. White, P.F. McDermott, D.D. Wagner, J. Hayes, and J. Meng. 2001. Prevalence of streptogramin resistance genes among *Enterococcus faecium* isolates recovered from retail meats in the Greater Washington DC area. 101st Annu. Meet. Am. Soc. Microbiol., Orlando, FL.
33. Wagner, D.D., J.R. Hayes, J. Meng. 2001. Antibiotic resistance profiles of *Enterococcus* spp. Isolated from retail meat. 101st Annu. Meet. Am. Soc. Microbiol., Orlando, FL.
34. Ge, B., S. Bodeis, R. D. Walker, D. G. White, S. Zhao, P. F. McDermott, and J. Meng. 2001. Comparison of Etest and Agar Dilution Methods for Antibiotic Susceptibility

- Testing of *Campylobacter* Isolated from Retail Meats. Annual Meeting of National Antimicrobial Resistance Monitoring Program, Rockville, MD.
35. Ge, B., D. G. White, S. Zhao, P. F. McDermott, R. D. Walker, and J. Meng. 2001. Antimicrobial-resistant *Campylobacter* isolated from retail raw meats in greater Washington area. The 11th Intl. Workshop on *Campylobacter*, *Helicobacter* and related organisms. Freiburg, Germany.
 36. Chen, S., S. Zhao, G. White, P.F. McDermott, and J. Meng. 2002. Characterization of antimicrobial resistant *Salmonella*. 2002. 102nd Annu. Meet. Am. Soc. Microbiol., Salt Lake City, UT.
 37. Cui, S. and J. Meng. Food sample preparation for molecular detection of *E. coli* O157:H7. 2002. Annu. Meet. Intl. Asso. Food Prot., San Diego, CA
 38. Ge, B., D. G. White, S. Zhao, P. F. McDermott, R. D. Walker, and J. Meng. 2002. Antimicrobial-resistant *Campylobacter* isolated from retail raw meats. 102nd Annu. Meet. Am. Soc. Microbiol., Salt Lake City, UT.
 39. De Villena, J., J. Meng, D.G. White. 2002. Fluoroquinolone resistance of avian *E. coli*. Annu. Meet. Intl. Asso. Food Prot., San Diego, CA
 40. Schroeder, M. C., D. G. White, B. Ge, Y. Zhang, P. F. McDermott, S. Ayers, S. Zhao, and J. Meng. 2002. Isolation of Antimicrobial-resistant *Escherichia coli* from Retail Meats Purchased in Greater Washington, DC, USA. Conference on Antimicrobial Resistance. Bethesda, MD.
 41. Zhao, S. Ge, B., D. G. White, P. F. McDermott, R. D. Walker, and J. Meng. 2002. Characterization of Antimicrobial resistance of *Campylobacter* isolated from retail raw meats. Western Poultry Disease Conference, Mexico.
 42. Schroeder, C.M., C. Zhao, C. DebRoy, J. Torcolini, S. Zhao, D.G. White, D.D. Wagner, R.D. Walker, and J. Meng. 2002. Antimicrobial resistance among *Escherichia coli* O157 isolated from humans, cattle, swine, and food. 102nd Annu. Meet. Am. Soc. Microbiol., Salt Lake City, UT.
 43. Simjee S, White DG, Carter PJ, Zervos MJ, Donabedian SM, Qaiyumi S, Zhao S, Wagner DD, Meng J and McDermott PF. 2002. Prevalence of enterococcal virulence genes in streptogramin-resistant *E. faecium* isolated from retail poultry and humans and *gelE* expression in a streptogramin resistant *E. faecium* isolate. 42nd Interscience Conference on Antimicrobial Agents and Chemotherapy, San Deigo.
 44. Schroeder, C. M., J. Meng, D. G. White, R. D. Walker, R. Singh, P. F. McDermott, D. D. Wagner, C. DebRoy, and S. Zhao. 2003. Characterization of Antimicrobial Resistance Integrons Among Shiga Toxin-Producing *Escherichia coil*. The 5th International

Symposium on “Shiga Toxin (Verocytotoxin)-Producing *Escherichia coli* Infections. Scotland, UK.

45. Foley, S. L., S. Simjee, J. Meng, D. G. White, P. F. McDermott, S. Friedman, S. Qaiyumi, and S. Zhao. 2003. Evaluation of Molecular Typing Methods for *Escherichia coli* O157:H7 isolated from cattle, food, and human. 7th PulseNet Annual Update Meeting, April 29-May 2, 2003, San Antonio, Texas.
46. Meng, J. 2003. Emerging antimicrobial resistance in foodborne pathogens. Keynote lecture, 5th International Symposium on the Epidemiology and control of Foodborne Pathogens in Pork, Greece.
47. Simjee S, Y. Zhang Y, P.F. McDermott, S.M. Donabedian, M.J. Zervos and J. Meng. 2003. Heterogeneity of *vatE* carrying plasmids in *E. faecium* recovered from human and animal sources. 43rd Interscience Conference on Antimicrobial Agents and Chemotherapy, Chicago.
48. Zheng, J., W. Song, S. Zhao, R. Singh, J. Meng. 2004. Adherence and Invasion to Human Intestinal Epithelial T84 Cells by *Campylobacter jejuni/coli* Isolated from Retail Meats. Annu. Meet. Am. Soc. Microbiol., New Orleans, LA.
49. Yeh, E., J. Meng. 2004. Isolation of *Listeria monocytogenes* from retail organic chickens. Annu. Meet. Am. Soc. Microbiol., New Orleans, LA.
50. Cui, S., P. McDermott, J. Meng. 2004. Prevalence and Characterization of *Salmonella* Serovars from Retail Organic Chicken. Annu. Meet. Am. Soc. Microbiol., New Orleans, LA.
51. Zhang, Y., A. Bhagwat, and J. Meng. 2004. *Listeria monocytogenes* from Retail Organic and Conventional Fresh Produce. Annu. Meet. Am. Soc. Microbiol., New Orleans, LA.
52. Chen, S., S. Zhao, P. McDermott, D. G. White, S. Cui, and J. Meng. 2004. The roles of target mutation and efflux in fluoroquinolone resistant *Salmonella*. Annu. Meet. Am. Soc. Microbiol., New Orleans, LA.
53. Meng, J., B. Ge, P. McDermott, D. White, and S. Zhao. 2004. The Role of Efflux Pumps in Antimicrobial Resistance in *Campylobacter jejuni/coli*. The 5th World Congress Foodborne Infections & Intoxications, Berlin, Germany.
54. Ge, B., J. Zheng, and J. Meng. 2004. Antimicrobial susceptibility of *Campylobacter* spp. and *Salmonella* serovars isolated from retail organic chickens. The 44th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC.
55. Ge, B., P. McDermott, D. White, and J. Meng. 2004. The Role of Efflux Pumps and Target Gene Alteration in Antimicrobial Resistance of *Campylobacter jejuni/coli*. The 44th Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC.

56. Zhang, Y. E. Yeh, and A. Baghwat. 2005. Characterization of *Listeria monocytogenes* Isolated from Deli Meats and Retail Chickens. Annu. Meet. Intl. Asso. Food Prot., Baltimore, MD.
57. Cui, S. S. Zhao, R. Singh and J. Meng. 2005. Identification of Shiga toxin 2d variants in *Escherichia coli* isolated from animals, food and humans. Annu. Meet. Intl. Asso. Food Prot., Baltimore, MD.
58. Williams, K., and J. Meng. 2005. RT-PCR for the detecting Norovirus. Annu. Meet. Intl. Asso. Food Prot., Baltimore, MD
59. Jeong, D., S. Cui, and J. Meng. 2005. The role of efflux pumps and outer membrane protein in the susceptibility of *Escherichia coli* and *Salmonella* Typhimurium to biocides. Annu. Meet. Intl. Asso. Food Prot., Baltimore, MD.
60. Zheng, J., J. Meng, and W. Song. 2005. *Campylobacter* induces a polarized secretion of IL-8 human intestinal epithelial cells. Microbial Pathogenesis and Host Response. Cold Spring Harbor Laboratory, New York.
61. Zheng, J., J. Meng, and W. Song. 2006. IL-8 secretion of human intestinal epithelial cells induced by *Campylobacter jejuni/coli*. ASM Annual Meeting, Orlando, FL.
62. Zheng, J., J. Meng, and W. Song. 2007. *Campylobacter*-induced polarized secretion of IL-8 in human intestinal epithelial cells requires *Campylobacter*-secreted CDT and TLR-induced activation of NF- κ B. Intl Asso. Food Prot., Orlando, FL.
63. Keys, C.E., J. Zheng, S. Zhao, J. Meng, and E. W. Brown. 2007. An enhanced discriminatory scheme for subtyping *Salmonella* Enteritidis with macro-restriction of DNA and pulsed-field gel electrophoresis. ASM Annual Meeting, Toronto, Canada.
64. Lamm, K.A., A. Rameshan, J. Meng, E. W. Brown. 2008. Distribution and Evolution of the Palatinose (pal) Operon in *Enterobacter sakazakii*. ASM Annual Meeting, Boston, MA.
65. Zheng, J., C. E. Keys, A. Ramaseshan, S. Zhao, J. Meng, E. W. Brown. 2008. Simultaneous Analysis of Multiple Enzymes Sharply Increases the Accuracy of PFGE in Assigning Genetic Relationships among Homogeneous *Salmonella* Strains. ASM Annual Meeting, Boston, MA.
66. Zheng, J., F. Tian, S. Cui, J. Song, E. W. Brown and J. Meng. 2008. Global Regulation of Gene Expression in *Salmonella* Typhimurium by Constitutive Expression of RamA. ASM Annual Meeting, Boston, MA.
67. Liu, L., P. Kannan, J. Meng, A. A. Bhagwat. 2008. Osmoregulated Periplasmic Glucans (OPGs) of *Salmonella* enterica serovar Typhimurium are needed for optimal growth under nutrient limiting- hypoosmotic conditions. ASM Annual Meeting, Boston, MA.

68. Xia, X. , A. Smith, S. Zhao J. McEvoy, J. Meng, A. A. Bhagwat. 2008. Characterization of *Salmonella* isolates from retail foods for biofilm formation, inducible acid-tolerance and Caco-2 cell infectivity. ASM Annual Meeting, Boston, MA.
69. Xia, X., J. Meng, P. McDermott, and S. Zhao. 2009. Prevalence and Characterization of Shiga Toxin-Producing *Escherichia coli* in Retail Meats. ASM Annual Meeting, Philadelphia, PA
70. Xia, X., J. Meng, S. Zhao, and P. McDermott. 2009. Occurrence and Antimicrobial Resistance of Extraintestinal Pathogenic *Escherichia coli* in Retail Meats. ASM Annual Meeting, Philadelphia, PA
71. McDermott, P., A. Kelman, S. Ayers, Y. Li, A. Glenn, and J. Meng. 2009. Antimicrobial resistant *Staphylococcus aureus* in ground meat products of the Washington DC area. ASM-ESCMID Conference on Methicillin-resistant Staphylococci in Animals. September 22 - 25, 2009, London, UK.
72. Lubran, M., R. Pouillot, E. Calvey, J. Meng and S. Dennis. 2009. *Observational Study of Food Handling Practices in Retail Deli Departments*. Annual Meeting of Society for Risk Analysis, Baltimore, MD.
73. Yan, X, Y. Peng, J. Meng, J. Rusante, P. Fratamico, L. Huang and V. Juneja. 2009. Microbial profiling, neural network and semantic web: an integrated information system for human pathogen risk management, prevention and surveillance in food safety. The 6th International Conference on Predictive Modeling in Foods. Washington, DC.
74. Ju, W., M.A. Toro, Y. Li and J. Meng. 2010. Prevalence of Shiga Toxin-Producing *Escherichia coli* and *Salmonella Serovars* in Retail Ground Meats. Annual Meeting of Institute of Food Technologists, Chicago, IL.
75. Li, Y., and J. Meng. 2010. Presence and antimicrobial resistance of *Staphylococcus* in retail ground meats. Annual Meeting of Institute of Food Technologists, Chicago, IL.
76. Xia, X, J. Meng, S. Zhao, P. McDermott. 2010. Characterization of Uropathogenic *Escherichia coli* strains Isolated from Retail Meats. Annual Meeting of Institute of Food Technologists, Chicago, IL.
77. Toro, M., X. Yan, D.S. Needleman, P. Fratamico and Meng. 2010. Improved Efficiency in Amplification of *Escherichia coli* O-Antigen Gene Clusters Using Genome-wide Sequence Comparison. ASM Annual Meeting, San Diego, CA.
78. Cao, G., S. Zhao, E. Brown, M. Allard, and J. Meng. 2011. Phylogenetic and Comparative Analysis of *Salmonella* Newport from Different Sources by Whole Genome Sequencing, ASM Annual Meeting, New Orleans, LA.

79. Alali, W., B. Yang, J. Meng, P. Donado, I. Walls, D. L. Wong, and M.P. Doyle. 2011. Prevalence of *Salmonella* on raw poultry in emerging market countries. Annual Meeting of International Association for Food Protection, Milwaukee, WI.
80. Rump, L.V., J. Meng, E. A. Strain, G. Cao, M.W. Allard, and N. Gonzalez-Escalona. 2012. Complete DNA sequence analysis of enterohemorrhagic *Escherichia coli* plasmid pO157_2 in β -glucuronidase-positive *E. coli* O157:H7 reveals a novel evolutionary path. ASM Annual Meeting, San Francisco, CA.
81. Wang, F., Q. Yang, J. Meng, and B. Ge. 2012 A Loop-Mediated Isothermal Amplification Detection System for Major Shiga Toxin-Producing *Escherichia coli* Serogroups in Produce. Annual Meeting of International Association for Food Protection, Providence, RI.
82. Cao, G., E. Strain, C. Wang, S. Zhao, E. Brown, M. Allard, and J. Meng. 2012. Comparative Genomics for *Salmonella* Pathogenicity Islands (SPI-5 and SPI-6) of *S. Newport* Using Whole Genome Sequencing. Annual Meeting of International Association for Food Protection, Providence, RI.
83. Rump, L.V., S. Bodies-Jones, J. Abbott, S. Zhao, J. Kase, S. Lorenz, M. Fischer, E. Brown, and J. Meng. 2012. Molecular Characterization and Virulence Determination of *Escherichia coli* O104 Isolates from Different Sources in the United States. Annual Meeting of International Association for Food Protection, Providence, RI.
84. Shen, J., W. Ju, S. Zhao, E. W. Brown, and J. Meng. 2012. Genotypic and cytotoxicity analysis of non-O157 Shiga toxin-producing *Escherichia coli* isolates from humans, animals and food. Annual Meeting of International Association for Food Protection, Providence, RI.
85. Ju, W., S. Shen, M. Toro, S. Zhao and J. Meng. 2012. Distribution of pathogenicity islands in Shiga toxin-producing *Escherichia coli*. Annual Meeting of International Association for Food Protection, Providence, RI.
86. Toro, M., S. Ayers, W. Ju, Y. Li, S. Zhao, and J. Meng. 2012. Prevalence and Characterization of *Salmonella* Serovars in Retail Ground Pork and Beef. Annual Meeting of International Association for Food Protection, Providence, RI.
87. Rump, L.V. N. Gonzalez-Escalona, W. Ju, G. Cao and J. Meng. 2013. Virulence plasmid distribution and their potential role in pathogenesis in non-O157 Shiga toxin-producing *Escherichia coli* (STEC). ASM Annual Meeting, Denver, CO.
88. Cao, G., J. Zhang, X. Xu, H. Jin, X. Yang, H. Pan, S. Zhao, M. Allard, E. Brown and J. Meng. 2013. Phylogenetic Analysis and Comparative Genomics of *Salmonella* Newport Isolated from Diverse Sources and Locations. ASM Annual Meeting, Denver, CO.

89. Zhang, J., H. Jin, J. Hu, Z. Yuan, W. Shi, L. Ran, S. Zhao, X. Yang, and J. Meng and X. Xu. 2013. Serovars and antimicrobial resistance of nontyphoidal *Salmonella* from human patients in Shanghai, China, 2006 – 2010. ASM Annual Meeting, Denver, CO.
90. Toro, M., R. Timme, W. Ju, G. Cao, M. Allard and J. Meng. 2013. Shiga Toxin-producing *Escherichia coli* H Antigen Clustering Evidenced by CRISPR (Clustered Regularly Interspaced Short Palindromic Repeats) Array. Annual Meeting of International Association for Food Protection, Charlotte, NC.
91. Ju, W., S. Shen, L. Rump, M. Toro, S. Zhao and J. Meng. 2013. Pathogenicity Islands in Shiga Toxin-producing *Escherichia coli* O26, O103 and O111 Isolates from Humans and Animals. Annual Meeting of International Association for Food Protection, Charlotte, NC.
92. Wang, F., Q. Yang, K. Jones, J. Meng, and B. Ge. 2013. Evaluation of a Suite of Loop-mediated Isothermal Amplification Assays for Rapid, Reliable, and Robust Detection of Shiga toxin-producing *Escherichia coli* in Produce. Annual Meeting of International Association for Food Protection, Charlotte, NC.
93. Yang, Q., F. Wang, K. Jones, J. Meng, W. Prinyawiwatul, and B. Ge. 2013. Evaluation of Loop-mediated Isothermal Amplification Assays for Rapid, Reliable, and Robust Detection of *Salmonella* in Produce. Annual Meeting of International Association for Food Protection, Charlotte, NC.
94. Zhou, L., S. Zhao, P. McDermott, F. Wang, Q. Yang, G. Cao and J. Meng. 2013. Presence of disinfectant-resistance Genes in *Escherichia coli* Isolates from NARMS Retail Meat. Annual Meeting of International Association for Food Protection, Charlotte, NC.
95. Hoffmann, M., S. Zhao, J. Pettengill, Y. Luo, T. Muruvanda, J. Abbott, S. Ayers, J. Folster, M. Allard, J. Meng, E. Brown, and P. McDermott. 2013. Differentiation of Closely Related *Salmonella enteric* Serotype Heidelberg Isolates by Comparative Genomic Analysis. Annual Meeting of International Association for Food Protection, Charlotte, NC.
96. Liu, Y., Fratamico, P.M., Debroy, C., Yan, X., Needleman, D.S., Li, R.W., Wang, W., Losada, L., Brinkac, L., Rodune, D., Toro, M., Meng, J. 2014. DNA sequence and analysis of the O-antigen gene clusters of *Escherichia coli* serogroups O62, O68, O131, O140, O142, and O163 and serogroup-specific PCR assays. The Association of Biomolecular Resource Facilities Conference. 2014.
97. Cao, G., M. Allard, M. Hoffmann, S. Monday, T. Muruvanda, Y. Luo, J. Payne, K. Meng, S. Zhao, E. Brown, J. Meng. Genomic Analysis of Multidrug-resistant *Salmonella* Newport. 54th Interscience Conference on Antimicrobial Agents and Chemotherapy. Washington, DC, 2014.
98. Toro, M. G. Cao, S. Ayers, R. Timme, M. Allard, J. Meng. Diversity of the CRISPR-cas system in *Salmonella* Bareilly. International Association for Food Protection Annual meeting. Indianapolis, IN, 2014.

99. Zhang, J., F. Wang, H. Jin, J. Hu, Z. Yuan³ X. Yang, X. Xu, J. Meng. 2014. Laboratory Monitoring of Bacterial Gastroenteric Pathogens *Salmonella* and *Shigella* in Shanghai, China 2006–2012. General Meeting of American Society for Microbiology, Boston, MA.
100. Hoffman, M., Y. Luo, S. Monday, T. Muruvanda, D. Janies, I. Senturk, U. Catalyurek, W. Wolfgang, R. Myers, P. Evans, J. Meng, M. Allard, and E. Brown. 2015. Whole Genome Sequencing Provides Rapid Traceback of Clinical to Food Sources during a Foodborne Outbreak of Salmonellosis. International Association for Food Protection Annual meeting, Portland, OR.
101. Yan, Q., M. Hoffmann, M. Allard, E. W. Brown, and J. Meng. 2016. Heat Resistance of *Salmonella* Tennessee When Heat Treated in Liquid Medium. International Association for Food Protection Annual meeting, St. Louis, MO.
102. Yan, Q., C. Bienvenu, D. Macarisin, E. W. Brown, Y. Chen, and J. Meng. 2016. Comparative Analysis of *Listeria monocytogenes* Strains from Outbreak along with those from Cantaloupe and its Production Environment. International Association for Food Protection Annual meeting, St. Louis, MO.
103. Worley, J., X. Yang, G. Cao, J. Chase, K. Flores, S. Tang, M. Allard, E. Brown, R. Atwill, and J. Meng. 2016. Monophyletic *E. coli* O157:H7 population spikes in cow herds observed in California's Central Valley. International Association for Food Protection Annual meeting, St. Louis, MO.
104. Yang, X., J. Worley, G. Cao, S. Tang and J. Meng. 2016. Whole Genome Sequence Analysis of *E. coli* O157:H7 from Cattle and Food. International Association for Food Protection Annual meeting, St. Louis, MO.
105. Lance, N., Yang, X., J. Worley, P. Shridhar, X. Shi, J. Meng, and T.G. Nagaraja. 2016. Whole Genome Sequence Based Identification and Comparative Analysis of Major and Putative Virulence Genes of *E. coli* O103. International Association for Food Protection Annual meeting, St. Louis, MO.
106. Gonzalez-Escalona, N, M. Toro, L. Rump, G. Cao, T.G. Nagaraja, and J. Meng. 2016. Virulence Profiles and Clonal Relationships of *E. coli* O26:H11. International Association for Food Protection Annual meeting, St. Louis, MO.
107. Worley, J, M. W. Allard , J. Meng , E. W. Brown , R. E. Timme. 2017. Two new clades and several novel genetic distribution patterns of plasmids, viruses, and virulence genes within *Salmonella enterica* subsp. *enterica* revealed by mass whole genome sequencing. The 2nd ASM Conference on Rapid Applied Microbial Next-Generation Sequencing and Bioinformatics Pipelines. Washington, DC.
108. Kuang, D, J. Worley , X. Gao, X. Yang, J. Zhang, X. Xu, X. Shi, J. Meng. 2017. Genomic characterization of several important serotypes of *Salmonella* from diverse sources in

China. The 2nd ASM Conference on Rapid Applied Microbial Next-Generation Sequencing and Bioinformatics Pipelines. Washington, DC.

109. Yang, X., X. Gao, J. Meng. 2017. Whole genome shotgun sequencing revealed highly polymorphic genes in *Escherichia coli* O157:H7 collected from cattle fecal samples. The 2nd ASM Conference on Rapid Applied Microbial Next-Generation Sequencing and Bioinformatics Pipelines. Washington, DC.
110. Gao, X, X. Yang, M. Allard, E. Brown. 2018. Whole genome shotgun sequencing analysis of *Salmonella enteritidis* clinical isolates from China. Lake Arrowhead Conference on Microbial Genomics. Lake Arrowhead, CA.

Sponsored Research

Grants

1997-1999	Survival and virulence of enterohemorrhagic <i>E. coli</i> (EHEC) as affected by pH and water activity, and detection of EHEC	USDA-NRI	\$87,000
1997-1999	Characterization of <i>Escherichia coli</i> O157:H7 Strains Isolated from Food, Cattle, and Human Patients	MAES	\$50,000
1999	Characterization of Antibiotic Resistance Genes in Foodborne Bacterial Pathogens	UM-GRB	\$9,750
1999-2000	Antibiotic Resistance of Shiga Toxin-Producing <i>Escherichia coli</i> and <i>Salmonella</i> Isolated from Retail Meats	MAES	\$20,000
2000-2002	Graduate Assistantship on Antibiotic Resistance Research	FDA-CVM	\$66,000
2000-2002	Antibiotic Resistant <i>Campylobacter</i> Isolated from Retail Meats	MAES	\$40,000
2000-2003	Antibiotic Resistance Integrons in Shiga toxin-producing <i>E. coli</i> and <i>Campylobacter</i>	JIFSAN	\$177,600
2000-2003	Characterization of multiple antibiotic resistance among enterhemorrhagic <i>E. coli</i>	USDA-NRI	\$250,000
2002-2004	A novel technology for detecting <i>E. coli</i> O157:H7 in food**	USDA-NRI	\$250,000

2002-2005	Antimicrobial resistance of <i>Campylobacter</i> spp. From retail chicken	USDA-SCRIP	\$45,000
2003-2005	Graduate Assistantship on Antibiotic Resistance Research	FDA-CVM	\$66,000
2003-2006	Molecular Mechanisms of of Fluoroquinolone and Erythromycin Resistance in <i>Campylobacter jejuni/coli</i>	JIFSAN	\$133,650
2004-2005	Development of Assay and Sample Collection Process for Rapid Detection of <i>E. coli</i> O157:H7 in Food Products	Maryland Industry Partnership	\$76,998
2004-2007	Rapid Assay for Detecting Human Enteric Viruses and Viral Survival Dynamics on Fresh Fruits and Vegetables	JIFSAN	\$222,750
2005-2006	DNA Microarray Analysis of Multidrug Resistant <i>Salmonella</i>	MAES	\$20,000
2005-2006	Identification of Monoclonal Antibodies for Detection of <i>Salmonella</i> and <i>Listeria</i> <i>monocytogenes</i> in Food	Maryland Industry Partnership	\$77,000
2006-2007	Mutator in antimicrobial resistance	MAES	\$20,000
2006	DNA microarray and microbial pathogenesis research enhancement	UM	\$360,000
2007-2008	Cooperative Agreement to Support JIFSAN	FDA	\$2,000,000
2008-2009	Cooperative Agreement to Support JIFSAN	FDA	\$1,389,140
2009-2010	Cooperative Agreement to Support JIFSAN	FDA	\$1,896,200
2009-2010	Web Based Training Module for Drug Use in Aquaculture	FDA	\$350,000
2009-2012	An Online Integrated Food Safety Risk Analysis Resource to Facilitate National and International Information Exchange**	USDA/CSREES	\$599,924
2010-2011	Cooperative Agreement to Support JIFSAN	FDA	\$1,265,506

2010-2011	Efficacy test for bioremediation products on FOG	MIPS	\$89,894
2010-2016	International Food Safety Training Laboratory	Waters Corporation	\$2,214,000
2011-2012	Cooperative Agreement to Support JIFSAN	FDA	\$1,900,000
2012-2013	Toward a rapid and reliable pathogen detection system in produce	Center for Produce Safety, UCD	\$152,595
2012-2015	Leafy Greens and Tomatoes Safety Metrics	USDA/NIFA	\$329,049
2012-2013	Cooperative Agreement to Support JIFSAN	FDA	\$2,106,000
2013-2014	Cooperative Agreement to Support JIFSAN	FDA	\$2,122,530
2014-2015	Cooperative Agreement to Support JIFSAN	FDA	\$2,378,140
2015-2016	Cooperative Agreement to Support JIFSAN	FDA	\$1,793,870
2016-2017	Cooperative Agreement to Support JIFSAN	FDA	\$1,923,000
2017-2018	Cooperative Agreement to Support JIFSAN	FDA	\$2,388,646
2018-2019	Cooperative Agreement to Support JIFSAN	FDA	\$3,183,661
2019-2020	Cooperative Agreement to Support JIFSAN	FDA	\$3,588,673

** Co-PI

Contracts

2007	WTO/SPS Leadership Development Program	US Meat Export Federation	\$160,678
2007	Food Safety Training	USDA/FAS	\$244,765
2007	Tools for Prioritizing Food Safety Concerns Workshop	Food Products Association Research Foundation	\$50,000
2008	Afghanistan Food Safety Program	Chemonics	\$79,389
2009-2010	APEC National Trends and Regional Approaches to Export Certification Workshop	USDA/FAS	\$119,810

2008	Tools for Prioritizing Food Safety Concerns Workshop	Grocery Manufacturer's Association Foundation	\$35,000
Gifts			
1997	Typing of Shiga toxin-producing <i>E. coli</i>	KPL, Inc.	\$800
1998	Control of <i>E. coli</i> O157:H7 in food	Vector Marketing	\$1,400
1998	Detection of Shiga toxin-producing <i>E. coli</i>	Beckton & Dickson, Inc	\$2,000
1998-1999	Molecular methods for detecting foodborne pathogens	Diachemix, Inc	\$47,000
1999-2004	Molecular Methods for Detecting Shiga Toxin-Producing <i>Escherichia coli</i> in Food	Odwala Funds	\$65,250
2000	Food safety research	Biospherics	\$1,000
2001	Antibiotic-resistant <i>Salmonella</i>	MicroBioTest, Inc	\$1,000
2005	<i>Campylobacter</i> Susceptibility Testing Quality Control Study	JMI Labs	\$2,000
2012-2013	Food safety and shelf life studies	Ingredion Corporation	\$55,000

Teaching, Mentoring and Advising.

Courses Taught

NFSC 112 Food: Science and Technology (3 credits): team taught with four other instructors. Spring 1997, 1998, 1999, 2003, 2004, 2005, 2006

NSFC689 Food Science Colloquium (1 credit): graduate course. Spring 2000, 2001, 2002, 2003, 2004, 2005

NFSC430 Food Microbiology (3 credits): junior course in food science program. Spring 2005, 2006.

NFSC434 Food Microbiology Laboratory (3 credits): junior course in food science. Spring 2000, 2002, 2003, 2004, 2005, 2006

NFSC631 Advanced Food Microbiology (3 credits): graduate course for food science. Spring 1999, 2001, 2003, 2004, 2006, 2013, 2015, 2017

Curriculum Development

NFSC 112 Food: Science and Technology: working with four colleagues, I extensively updated this course. I was m responsible for five lectures on food safety and biotechnology.

NFSC430 Food Microbiology: I developed the course syllabus and the lectures to include topics related to the major microorganisms implemented in foodborne diseases and food spoilage, and the use of microbes for food production. The course emphasizes the “how” and “why” and “what can we do about it?” questions regarding the activities of microbes in food.

NFSC434 Food Microbiology Laboratory: I developed the course syllabus and the laboratory manual for the upper level food science course.

NFSC631 Advanced Food Microbiology: I developed the course syllabus and the lectures of this graduate course. It focuses on studying microorganisms and their pathogenesis, and the development of methods for detecting foodborne pathogens. The primary emphasis of this course is to review recent developments in food safety microbiology.

Advising:

Undergraduate

1999 Susie Ahn (Microbiology)
Chris Larkin (Microbiology)
Emily Yeh (Food Science)

2000 Wico Nekma (Food Science)
Kwasi Safo-Mensa (Biochemistry)
Jennifer Leon (Horticulture)

2001 Eme-Obong Ekpo (Biosceince)
Brittney Allen (Bioscience)

2003 Howard Majolagbe (Biosceince)
Robert Hug, Jr. (Biosceince)

2007-2009 Alina Kelman (Gemstone)
Yee-Ann Soong (Gemstone)
Billy Richbourg (Gemstone)
Twain Brown (Gemstone)

Ed Kestler (Gemstone)
Kourtney Johnson (Gemstone)
Nicole Dupuy (Gemstone)
Daniel Shafer (Gemstone)

2015-2018 Maria

Master's Principal Research Advisor

		<i>Current Position</i>
1997-2000	Robert Sudler	Department of Health, District of Columbia
1999-2001	Juan De Villena	Purdue Farms, Delaware
1999-2001	Cuiwei Zhao	USDA, National Nutrition Center, Beltsville, MD
2000-2002	Webb Girard	PSI Holdings, Inc., Kent, WA
2002-2004	Emily Yeh	Federal Bureau of Investigation, Washington DC
2003-2005	Karen Williams	FDA/CVM/Division of Animal & Food Microbiology
2004-2006	Nivedita Dhiman	
2006-2008	Kate Lamm	
2007-2008	Ana Armijos	
2008-2010	Yi Li	
2013-2015	Shuai Tang	
2015 - 2017	Xun Yang	
2015 - 2017	Colette Le Bienvenu	
2018-	Xinyang Huang	

Doctoral Principal Research Advisor

		<i>Current Position</i>
1997-2002	Beilei Ge	Microbiologist, the US Food & Drug Administration
1998-2009	David Ingram	Microbiologist, the US Food & Drug Administration
2000-2004	Sheng Chen	Professor, Hong Kong Polytech University

2000-2004	Shenghui Cui	Microbiologist, Food & Drug Administration, China
2001-2006	Yifan Zhang	Associate Professor, Wayne State University
2002-2006	Jie Zheng	Microbiologist, the US Food & Drug Administration
2006-2010	Xiaodong Xia	Professor, Northwest A & F University, China
2007-2016	Brenda Kroft	
2008-2014	Magaly Tora	Assistant Professor, University of Chile, Chile
2008-2013	Wengtin Ju	Scientist, Silliker, China
2009-2014	Guojie Cao	Microbiologist, the US Food & Drug Administration
2017-	Tim Muruvanda	Microbiologist, the US Food & Drug Administration
2018-	Melanie Butler	The US Food & Drug Administration
2018-	Hee Jin Kwon	
2019-	Xinyang Huang	
2019-	Christina Ferreira	Microbiologist, the US Food & Drug Administration

Post-doctoral

1999-2000	Hua Wang, Professor, Ohio State University	
2001-2002	Carl Schreoder, Microbiologist, USDA, Food Safety & Inspection Service	
2002-2004	Beilei Ge, Microbiologist, the US Food & Drug Administration	
2004-2005	Shenghui Cui, Associate Professor, Food & Drug Administration, Beijing, China	
2006-2008	Jie Zheng, Microbiologist, the US Food & Drug Administration	
2009-2010	Mohamed Najjar, Senior Scientist, PepsiCo	
2011-2014	Lydia Rump, Lidl, Arlington, VA	
2012-2015	Fei Wang,	
2013-2015	Maria Hoffman, Microbiologist, the US Food & Drug Administration	

2014-2015 Guojie Cao, Microbiologist, the US Food & Drug Administration

2015-2017 Jay Worley

2015-2016 Qiongqiong Yan

2017-2018 Xin Gao

2019- Zhao Chen

Visiting scientists:

2000 Hala A. Hussien, PhD, Associate Professor, National Center for Radiation and Technology, Egypt

2000 Eric Wong Gonzalez, MS, University of Costa Rica, San Jose, Costa Rica

2000 Ping Jiang, DVM, Professor, Department of Food Science & Technology, Guizhou University, Guiyang, China

2000-2001 Hanchun Yang, DVM, PhD, Professor & Chair, Department of Veterinary Preventive Medicine, China Agricultural University, Beijing, China

2003 Eleni Iossifidou, DVM, PhD, Assistant Professor, Department of Food Hygiene and Technology, Aristotle University, Thessaloniki, Greece

2004-2005 Dong Kwan Jeong, PhD, Associate Professor, Department of Food & Nutrition, Kosin University, Busan, South Korea

2006-2007 Baowei Yang, Northwest A & F University, Yanglin, Shaanxi, China

2006-2007 Meili Xi, Northwest A & F University, Yanglin, Shaanxi, China

2007 Xiuli Zhang, Helan CDC, Zhenzhou, China

2008 Xin Wang, Northwest A & F University, Yanglin, Shaanxi, China

2010 Mingtao Fan, Northwest A & F University, Yanglin, Shaanxi, China

2010-2012 Jinglin Shen, Shanghai Food Safety Inspection, China

2011-2012 Yu Hu, Shanghai Jiao Tong University, Shanghai, China

2012-2013 Likou Zhou, Sichuan Agricultural University, Chengdu, China

2012-2013 Guangwei Zhang, Henan Center for Disease Control, China
2013 Jianmin Zhao, South China Agricultural University, China
2013-2014 Baotao Liu, Qintao Agricultural University, China
2015-2017 Dai Kuang, Shanghai Jiao Tong University, China

Junior Faculty Mentorship

Wen-Hsing Chen

Rohan Tikekar

Editorial Boards

Journal of Food Protection, 1/1/1998 - 12/31/2000; 1/1/2013-2016
Applied and Environmental Microbiology, 1/1/2004-12/31/2009
Food Microbiology, 1/1/2013 to 1/1/2017

Reviewing Activities for Journals and Presses

Antimicrobial Agents & Chemotherapy

Applied and Environmental Microbiology

Journal of Antimicrobial Chemotherapy

Journal of Applied Microbiology

Journal of Food Science

Journal of Food Safety

Journal of Food Protection

Journal of Clinical Microbiology

Molecular and Cellular Probes

FEMS Microbiology Letters

Journal of Medical Microbiology

Poultry Science

Reviewing Activities for Agencies and Foundations

- 1996 USDA Small Business Innovation Research, 1 proposal
- 1999 USDA-NRI Ensuring Food Safety, 3 proposals
USDA-Scientific Cooperation and Research Program, Leader Panelist, 15 proposals
United Kingdom Welcome Truist-Joint Infrastructure Funds, 1 proposal
- 2000 USDA-NRI Ensuring Food Safety, 2 proposals
FDA/Center for Veterinary Medicine-Cooperative Agreements, 3 proposals
FDA International Antibiotic Resistance Research, 1 proposal
- 2001 USDA-NRI Ensuring Food Safety, 2 proposals
Peer review panelist, USDA/ARS/Office of Scientific Quality Review
- 2002 Peer review panelist, FDA Counter-bioterrorism research grants
USDA-NRI Ensuring Food Safety, 2 proposals
- 2003 USDA-NRI Ensuring Food Safety, 2 proposals
USDA Small Business Innovation Research, 1 proposal
- 2004 USDA-NRI Ensuring Food Safety, 2 proposals
- 2005 Austrian Genome Research Program, Austria, 1 proposal
- 2006 Medical Research Council, United Kingdom, 1 proposal
- 2008 USDA Small Business Innovation Research, 1 proposal
- 2010 Panelist, National Review Panel on Nanotechnology for Food Safety, USDA AFRI program
- 2014 German Research Foundation, 1 proposal
- 2016 Panelist, USDA ARS National Program: Antibiotic Resistance in Poultry

Committees, Professional & Campus Service
Campus Service – Department

1997-2009 Undergraduate Adviser for Food Science Major

1998-2000 Scholarship Committee

1999-2000 Social Committee

1999 Search Committee for Food Sensory Evaluation Position

2000 Chair, Scholarship Committee

2000 Search Committee for Food Safety/ Processing Position

2001-2004 Director, Graduate Program in Food Science

2001 TA Assignment Committee

2001-2002 Chair, Search Committee for Food Chemistry Position

2001-present Department Promotion & Tenure Committee

2001 Chair, Department P/T Committee for Dr. Berna Magnuson

2001 Two-year review committee for Dr. Monica Giusti

2002 Chair, two-year review committee for Dr. Berna Magnuson

2003-2006 Merit-pay Committee

2003 Department P/T Committee for Dr. Martin Lo

2003-present Food Science Undergraduate Curriculum Committee

2004 Chair, four-year review committee for Dr. Berna Magnuson

2004-2005 Food Science Undergraduate Program Review Committee

2004 Faculty Advisory Committee

2004-2007 TA Assignment Committee

2006 Department Steer Committee

2008 Department Plan Committee

Chair, Department APT Committee for Robert Buchanan

NFSC APT Committee

2009 NFSC APT Committee

2009-2011 Faculty Advisory Committee

2010-present Graduate Admission Committee

2010 Search Committee for Clinical Nutrition faculty position

2011 Chair, 4 Year Review Committee for Dr. Wen Hsing Cheng

2012 Chair, APT Committee

2013-2016 Merit Pay Committee

2013 Chair, APT Committee

2014 APT Committee

2015 Chair, APT Committee

2016 APT Committee

2018 Chair, APT Committee

Campus Service – College

1999 JIFSAN Strategic Planning Task Groups

2000 Five-year review committee for Associate Dean of Research

2000-2003 Dean's Advisory Committee

2001 College Food Science Program Task Force Group

2003-2004 College Promotion & Tenure Committee

2006 Member of Promotion & Tenure Committee for three faculty members at Department of Veterinary Medicine

2006-2008 Member of the College Administrative Council

2006-2009 Member of the College Faculty Advisory Committee

- 2008-2009 AGNR APT Committee
- 2009-2011 Search Committee for Produce Safety faculty position
- 2009-2010 AGNR APT Committee
- 2012 APT Committee for Department of Veterinary Medicine
- 2013 Co-organizer, AGNR Annual Convocation

Campus Service – University

- 2000-2001 College Park Senator
- 2000-2001 Advising Students of Antibiotic Resistance Research Group of Gemstone Program
- 2004-present Research Interest Showcase for College Park Scholar Students
- 2006-2008 College Park Senator
- 2010-2011 Inauguration Committee for President Wallace Loh
- 2014-2016 Campus APT Committee

External Service and Consulting

- 2001 National Program 108 Food Safety Program/USDA Scientific Quality Review
- 2004-06 National Advisory Committee on Microbiological Criteria for Foods (NACMCF) of USDA, Department of Health and Human Services, Department of Defense, and the Department of Commerce
- 2004-05 Institute for Food Technologists (IFT) Expert Panel on Public Health Impact of Agricultural Uses of Antibiotics - Implications for the Food Industry
- 2005 National Program 108 Food Safety Postharvest – Molecular Biology and Methodology Panel/USDA Scientific Quality Review
- 2006-08 National Advisory Committee on Microbiological Criteria for Foods (NACMCF) of USDA, Department of Health and Human Services, Department of Defense, and the Department of Commerce

- 2008 National Research Council (NRC) Committee of the National Academies for Review of the Food Safety and Inspection Service (FSIS) on Risk-Based Approach to Public Health Attribution,
- 2008-10 National Research Council (NRC) Standing Committee of the National Academies on Use of Public Health Data in FSIS Food Safety Programs
- 2010-15 Microbiology Expert Committee, United States Pharmacopeia
- 2013- Steering Committee, Food Safety Preventive Controls Alliance
- 2016 Invited Expert, Association of Public and Land-granted Universities (APLU) Commission - The Challenge of Change: Engaging Public Universities to Feed the World
- 2019 Member, Evaluation Panel for Research Leader of the Food Quality Laboratory at the Beltsville Agricultural Research Center, USDA/ARS

International Activities

- 1999 College International Program: participated in survey activities and developed recommendations for sustainable agriculture in Sichuan Province, China
- 1999 Distinguished scientist invited by the State Council of China to give seminars and workshops in three provinces (Anhui, Jiangxi, and Yunan), and to attend the ceremony of the 50th Anniversary of the Foundation of the Peoples' Republic.
- 2000 College International Program: host a visiting scientist to develop a research program on Safety of Fresh Produce in Costa Rica
- 2001 Research collaboration on antimicrobial resistance of bacterial pathogens with China Agricultural University, Beijing, and Guizhou University, Guiyang
- 2001 Visited Pasteur Institute in Paris, France and invited to organize a mini-forum on food safety for the Institute's publication, "Microbes and Infection."
- 2002 Research collaborations with China Centers for Disease Control & Prevention, a project on antimicrobial resistance of *Campylobacter* has been funded by USDA
- 2003 Established research collaborations with Agriculture Victoria, Melbourne, Australia. On Rapid Assay for Detecting Human Enteric Viruses and Viral Survival Dynamics on Fresh Fruits and Vegetables

- 2003 Keynote Speaker on Antimicrobial Resistance at the 5th International Symposium on the Epidemiology and Control of Foodborne Pathogens in Pork. Crete, Greece.
- 2004 Gave invited lectures and interacted with faculty and students at Medical School in Crete, and Department of Food Hygiene and Technology, Aristotle University, Thessaloniki, Greece
- 2004 Attended International Commission on Microbiological Specifications for Foods (ICMS) activities and delivered an invited lecture at ICMS International Food Safety Conference, Beijing, China
- 2005 Hosted Dr. Robert Premier from Agriculture Victoria, Australia, Co-PI of the JIFSAN funded project, and provided him with techniques developed in our lab for their testing for safety of fresh fruits and vegetables in Australia.
- 2006 Established collaborations with Northwest A & F University in China.
- 2009-2012 Member of Steering Group, Partnership Training Institute Network (PTIN), Asia Pacific Economic Corporation (APEC)
- 2012-2016 Chair, International Expert Advisory Committee, China National Center for Food Safety Risk Assessment
- 2018-2023 Chair, International Expert Advisory Committee, China National Center for Food Safety Risk Assessment