

**CURRICULUM VITAE**  
(Jianghong Meng)

**1. Personal Information**

JIANGHONG MENG  
Professor  
Department of Nutrition and Food Science  
0112 Skinner Building  
University of Maryland  
College Park, MD 20742  
Tel: 301 405-1399  
Fax: 301 314-3313

Director  
Joint Institute for Food Safety & Applied Nutrition (JIFSAN) with the US FDA  
University of Maryland  
2134 Patapsco Building  
College Park, MD 20742  
Tel: (301) 405-7976  
Fax: (301) 405-8390

Email: [jmeng@umd.edu](mailto:jmeng@umd.edu)

Academic Background

**Education**

- 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

**Additional Training**

- 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

Employment Background

- 2009-present      Director  
Joint Institute for Food Safety & Applied Nutrition (JIFSAN)  
University of Maryland, College Park, Maryland
- 2007-2009      Interim Director  
Joint Institute for Food Safety & Applied Nutrition (JIFSAN)  
University of Maryland, College Park, Maryland
- 2006-present      Professor  
Department of Nutrition and Food Science  
University of Maryland, College Park, Maryland
- 2001-2006      Associate Professor  
Department of Nutrition and Food Science  
University of Maryland, College Park, Maryland
- 2001- 2004      Director, Graduate Program in Food Science  
Department of Nutrition and Food Science  
University of Maryland, College Park, Maryland
- 1996-2001      Assistant Professor  
Department of Nutrition and Food Science  
University of Maryland, College Park, Maryland
- 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

## 2. Research, Scholarly and Creative Activities

### a. Books (First/last in author list indicates senior author)

#### i. Chapters in books

- 1) 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.
- 2) 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.
- 3) 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. O'Brien, ed.). American Society for Microbiology, Washington, D.C.
- 4) 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., 3<sup>rd</sup> ed). Springer-Verlag, New York, NY.
- 5) 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.
- 6) 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., 2<sup>nd</sup> edition). American Society for Microbiology, Washington, D.C.
- 7) 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.
- 8) Schroeder, C. M. and J. Meng. 2007. *E. coli*. In: *Foodborne Diseases*, (S. Simjee, ed). Humana Press, Totowa, NJ.
- 9) 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., 3<sup>rd</sup> edition). American Society for Microbiology, Washington, D.C.
- 10) 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.

**b. Articles in Referred Journals** (First/last in author list indicates senior author)

i. Research articles

- 11) Genigeorgis, C., J. Meng and D. Baker. 1991. Behavior of nonproteolytic *Clostridium botulinum* type B and E spores in cooked turkey and modeling lag phase and probability of toxigenesis. *J. Food Sci.* 56:373-379.
- 12) Potter, M., J. Meng and P. Kimsy. 1993. An ELISA for detection of botulinal toxin types A, B, and E in inoculated food samples. *J. Food Prot.* 56:856-861.
- 13) Meng, J. and C. Genigeorgis. 1993. Modeling lag phase of nonproteolytic *Clostridium botulinum* toxigenesis in cooked turkey and chicken breasts as affected by temperature, sodium lactate, sodium chloride and spore inoculum. *Int. J. Food Microbiol.* 19:109-122.
- 14) Meng, J. and C. Genigeorgis. 1994. Delaying toxigenesis of *Clostridium botulinum* toxigenesis by sodium lactate in 'sous-vide' products. *Lett. in Appl. Microbiol.* 19:20-23.
- 15) Meng, J., S. Zhao, T. Zhao, and M.P. Doyle. 1995. Molecular characterization of *Escherichia coli* O157:H7 isolates by pulsed field gel electrophoresis and plasmid DNA analysis. *J. Med. Microbiol.* 42:258-263.
- 16) Zhao, S., S.E. Mitchell, J. Meng, M.P. Doyle and S. Kresovich. 1995. Cloning and nucleotide sequence of a gene upstream of the *eaeA* gene of *Escherichia coli* O157:H7. *FEMS Microbiol. Lett.* 133:35-39.
- 17) Zhao, S., J. Meng, M.P. Doyle, R. Meinersman, G. Wang and P. Zhao. 1996. A low molecular weight outer membrane protein of *Escherichia coli* O157:H7 associated with adherence to INT407 cells and chicken ceca. *J. Med. Microbiol.* 45:90-96.
- 18) Meng, J., S. Zhao, and M.P. Doyle, S.E. Mitchell and S. Kresovich. 1996. Polymerase chain reaction for detecting *Escherichia coli* O157:H7. *Int. J. Food Microbiol.* 32:103-14.
- 19) Meng, J., S. Zhao, M.P. Doyle, S.E. Mitchell and S. Kresovich. 1997. A multiplex PCR for detecting Shiga-like toxin producing *Escherichia coli* O157:H7. *Lett. in Appl. Microbiol.* 24:172-76.
- 20) Zhao, P., T. Zhao, M.P. Doyle, J.R. Rubino, and J. Meng. 1998. Development of a model to study microbial cross-contamination in food preparation and evaluation of the efficacy of an antibacterial kitchen disinfectant. *J. Food Prot.* 61:960-963.

- 21) Meng, J., S. Zhao, M.P. Doyle, and S.W. Joseph. 1998. Antibiotic resistance of *Escherichia coli* O157:H7 isolated from cattle and food. *J. Food Prot.* 61:1511-1514.
- 22) Meng, J., S. Zhao, and M.P. Doyle 1998. Virulence genes of Shiga toxin-producing *Escherichia coli* isolated from food, cattle and humans. *Int. J. Food Microbiol.* 45:229-235.
- 23) Senkel, A., R.A. Henderson, B. Jolbitado, and J. Meng. 1999. The use of hazard analysis critical control point and alternative treatments in the production of apple cider. *J. Food Prot.* 62:778-785.
- 24) Zhao, S., S.E. Mitchell, J. Meng, S. Kresovich, M.P. Doyle, R. Dean, and J.W. Weller. 2000. Genomic typing of *Escherichia coli* O157:H7 by semi-automated fluorescent AFLP analysis. *Microbes and Infec.* 2:107-113
- 25) Zhao, S., D. White, B. Ge, S. Ayers, S. Friedman, L. English, D. Wagner, S. Gains, and J. Meng, 2001. Identification and characterization of integron-mediated antibiotic resistance among Shiga toxin-producing *Escherichia coli* isolates. *Appl. Environ. Microbil.* 67:1558-1564.
- 26) White, D.G., S. Zhao, R. Sudler, S. Ayers, S. Friedman, S. McDermott, S. Chen, D. Wagner, and J. Meng. 2001. The isolation of antimicrobial-resistant *Salmonella* from retail ground meat. *N. England J. Med.* 345:1147-1154.
- 27) Cui, S., J. Meng, and A.A. Bhagwat. 2001. Availability of glutamate and arginine during acid-challenge determines cell density-dependent survival phenotype of *Escherichia coli*. *Appl. Environ. Microbil.* 67:4914-4918.
- 28) Zhao, S., D. G. White, P.F. McDermott, S. Friedman, L. English, S. Ayers, J. Meng, J.J. Maurer, R. Holland and R.D. Walker. 2001. Identification and expression of cephamycinase *bla*<sub>CMY</sub> genes in *Escherichia coli* and *Salmonella* isolated from food animals and ground meats. *Antimicrob Agents Chemother.* 45:3647-3650.
- 29) Zhao, C., B. Ge, J.De Villena, R. Sudler, E. Yeh, S. Zhao, D. G. White, D. Wagner, and J. Meng. 2001. Prevalence of *Campylobacter*, *Escherichia coli* and *Salmonella* in retail chicken, turkey, pork, and beef from the Greater Washington DC Area. *Appl. Environ. Microbil.* 67:5431-5436.
- 30) 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. *Appl. Environ. Microbil.* 68:576-581.
- 31) Ge, B., C. Larkin, S. Ahn, M. Jolley, M. Nasir, R. Hall, and J. Meng. 2002. Identification of *Escherichia coli* O157:H7 and other enterohemorrhagic serotypes by strand displacement amplification and fluorescent polarization. *Mol. Cellular Probe.* 16:85-92.

- 32) Ge, B., S Zhao, R. Hall, and J. Meng. 2002. A PCR-ELISA for detecting Shiga toxin-producing *Escherichia coli* in food. *Microbes Infect.* 4:285-290.
- 33) White, D.G., S. Zhao S, P.F. McDermott, S. Ayers, S. Gaines, S. Friedman, D.D. Wagner, J. Meng, D. Needle, M. Davis, C. DebRoy. 2002. Characterization of antimicrobial resistance among *Escherichia coli* O111 isolates of animal and human origin. *Microb. Drug Resist.* 8:139-46.
- 34) Simjee, S., D. G. White, D. D. Wagner, J. Meng, S. Qaiyumi, S. Zhao, and P. F. McDermott. 2002. Identification of vat(E) in *Enterococcus faecalis* Isolates from Retail Poultry and Its Transferability to *Enterococcus faecium*. *Antimicrob Agents Chemother* 46:3823-28.
- 35) Schroeder, C. M. , J. Meng, S. Zhao, C. DebRoy, J. Torcolini, C. Zhao, P. F. McDermott, D.D. Wagner, R. D. Walker, and D. G. White. 2002. Antimicrobial Resistance of *Escherichia coli* O26, O103, O111, O128 and O145 from animals and humans. *Emerging Infect. Dis.* 8:1409-14.
- 36) Ge, B., S. Bodies, R.D. Walker, D.G. White, S. Zhao, P. F. McDermott, and J. Meng. 2002. Comparison of Etest and agar dilution for antimicrobial susceptibility testing of *Campylobacter* isolated from retail meats. *J Antimicrob Chemother.* 50:487-494.
- 37) Simjee S, D.G. White, J Meng, D.D. Wagner, S. Qaiyumi, S. Zhao, J.R. Hayes, and P.F. McDermott. 2002. Prevalence of streptogramin resistance genes among enterococcus isolates recovered from retail meats. *J Antimicrob Chemother.* 50:6,877-882.
- 38) Schroeder, C. M., D. G. White, B. Ge, Y. Zhang, S. Zhao, P. F. McDermott, J. Meng. 2003. Antimicrobial susceptibility of *Echerichia coli* isolated from retail meats. *Intl. J. Food Microbiol.* 85:197-202.
- 39) Ge, B., W. Girard, D. G. White, P. F. McDermott, S. Zhao, R. D. Walker, and J. Meng. 2003. Antimicrobial-resistant *Campylobacter* isolated from retail raw meats. *Appl. Environ. Microbil.* 69:3005-3007.
- 40) Cui, S., C. M. Schroeder, D.Y. Zhang, J. Meng. 2003. Rapid Sample Preparation Method for PCR-based Detection of *Escherichia coli* O157:H7 in Ground Beef. *J. Appl. Microbiol.* 95:129-134.
- 41) Senkel, I.A. Jr., B. Jolbitado, Y. Zhang, D. G.White, S. Ayers, J. Meng. 2003. Isolation and Characterization of *Escherichia coli* Recovered from Apple Cider and the Cider Production Environment. *J. Food Prot.* 66:2237–2244
- 42) Chen, S., S. Zhao, D. G. White, C. M. Schroeder, P. F. McDermott, H. Yang, S. Ayers, J. Meng. 2004. Characterization of Multiple-Antimicrobial-Resistant *Salmonella* serovars Isolated from Retail Meats. *Appl. Environ. Microbil.* 70: 1-7.

- 43) Foley, S.L., S. Simjee, J. Meng, D.G. White, P.F. McDermott, and S. Zhao. 2004. Evaluation of molecular typing methods for *Escherichia coli* O157:H7 isolates from cattle, food, and humans. *J. Food Prot.* 67:651-657.
- 44) Yang, H., S. Chen, D.G. White, S. Zhao, R. Walker, P. McDermott and J. Meng. 2004. Characterization of Multiple-Antimicrobial-Resistant *Escherichia coli* Isolated from Chicken and Swine in China. *J. Clin. Microbil.* 42:3483-3489.
- 45) Liming, SH, Y. Zhang, J. Meng, and AA, Bhagwat 2004. Detection of *Listeria monocytogenes* in fresh produce using molecular beacon – real-time PCR technology. *J. Food Sci.* 69:240-245.
- 46) Chen, S., S. Zhao, D. G. White, P. F. McDermott, S. Ayers, J. Meng. 2005. A DNA Microarray for Identification of Virulence and Antimicrobial Resistance Genes in *Salmonella* serovars and *Escherichia coli* Mol. Cellular Probe. 19:195-201.
- 47) Zhao, S, J.J. Maurer, S. Hubert, J.F. De Villena, P.F. McDermott, J. Meng, S. Ayers, L. English, D.G. White. 2005. Fluoroquinolone resistance of *Escherichia coli* from diseased chicken in North Georgia. *Vet. Microbiol.* 107:215-224.
- 48) Cui, S., B. Ge, J. Zheng, J. Meng. 2005. Prevalence and characterization of *Campylobacter* spp and *Salmonella* serovars in retail organic chickens of Maryland. *Appl. Environ. Microbil.* 71: 4108-4111.
- 49) Ge, B., P. McDermott, D.G. White, and J. Meng. 2005. The role of efflux pumps and gyrase A gene mutation on fluoroquinolone resistance in *Campylobacter jejuni/coli*. *Antimicrob Agents Chemother.* 49:3347-3354.
- 50) Singh, R., C. M. Schroeder, J. Meng, D. G. White, H. Yang, P.F. McDermott, D. Wagner, S. Simjee, C. DebRoy, R.D.Walker, and S. Zhao. 2005. Detection and characterization of antimicrobial resistance and class I integron in Shiga toxin-producing *Escherichia coli* recovered from humans and food animals. *J Antimicrob Chemother.* 56:216-219.
- 51) Li, F., C. Zhao, W. Zhang, S. Cui, J. Meng, J. Wu, D. Y. Zhang. 2005. Use of ramification amplification assay for detection of *Escherichia coli* O157:H7 and other *E. coli* Shiga toxin-producing strains. *J. Clin. Microbil.* 43:6086-6090.
- 52) McDermott, P. F., S. M. Bodeis-Jones, T. R. Fritsche, R. N. Jones, R. D. Walker, and The *Campylobacter* Susceptibility Testing Group. 2005. Broth microdilution susceptibility testing of *Campylobacter jejuni* and the determination of quality control ranges for fourteen antimicrobial agents. *J. Clin. Microbiol.* 43:6136-6138.
- 53) Ge, B., W. Girard, S. Zhao, J. Meng. 2006. Genotyping of *Campylobacter* spp. From retail meats using ribotyping and pulsed-field gel electrophoresis. *J. Appl. Microbiol.* 100:167-174.

- 54) Zheng, J., J. Meng, S. Zhao, R. Singh, W. Song. 2006. Adherence and invasion of *Campylobacter jejuni/coli* isolated from retail meat products to human intestinal epithelial cells. *J. Food Prot.* 69:768-774.
- 55) Cui, S., J. Zheng, and J. Meng. 2006. An Improved Method for Rapid Isolation of *Salmonella* from Chicken Carcasses. *Journal of Food Safety.* 26:49-61.
- 56) Shen, Y., Y. Liu, Y. Zhang, J. Cripe, W. Conway, J. Meng, G. Hall, and A.A. Bhagwat. 2006. Isolation and characterization of *Listeria monocytogenes* isolates from ready-to-eat foods in Florida. *Appl. Environ. Microbil.* 72: 5073-5076
- 57) Simjee, S., Y. Zhang, P. F. McDermott, S. M. Donabedian, M.J. Zervos, and J. Meng. 2006. Heterogeneity of vat(E) carrying plasmids in *Enterococcus faecium* recovered from human and animal sources. *Intl. J. of Antimicrob. Agents.* 28:200-205.
- 58) Zhang, Y., E. Yeh, Y. Shen, G. Hall, J. Cripe, A. Bhagwat, J. Meng. 2007. Characterization of *Listeria monocytogenes* isolated from retail food. *Intl. J. Food Microbiol.* 113:47-53.
- 59) Chen, S., S. Cui, P. F. McDermott, S. Zhao, D. G. White, I. Paulsen, and J. Meng. 2007. Contribution of target gene mutations and efflux to decreased susceptibility in *Salmonella* Typhimurium to fluoroquinolones and other antimicrobials. *Antimicrob. Agents Chemother.* 51:535-542.
- 60) Luther, M., Parry, J., Moore, J. Meng, J., Zhang, Y., Cheng, Z., Yu, L. 2007. Inhibitory Effect of Chardonnay Grape and Black Raspberry Seed Flour Extract on Lipid Peroxidation in Fish Oil, and Their Radical Scavenging and Antimicrobial Properties. *Food Chemistry.* 104:1065-1073.
- 61) Huang, Z., D. Chen, K. Zhang, B. Yu, and J. Meng. 2007. Regulation of myostatin signaling by c-Jun N-terminal kinase in C2C12 cells. *Cellular Signaling.* 19:2286-95.
- 62) Zheng, J., C.E. Keys, S. Zhao, J. Meng, and E. W. Brown. 2007. Enhanced subtyping scheme for *Salmonella* Enteritidis. *Emerging Infect. Dis.* 13:1932-1935.
- 63) Ge, B., P. Jiang, F. Han, N. Saleh, N. Dhiman, D. P. Fedorko, N. A. Nelson, and J. Meng. 2007. Identification and antimicrobial susceptibility of lactic acid bacteria from retail fermented foods. *J. Food Prot.* 70:2606-2612.
- 64) Huang, Z., K. Zhang, J. Meng, D. Chen. 2008. Effect of siRNA targeted against MKK4 on myostatin-induced downregulation of differentiation marker gene expression. *Mol Cell Biochem.* 310:241-4.
- 65) Zheng, J., J. Meng, S. Zhao, R. Singh, and W. Song. 2008. *Campylobacter*-induced polarized secretion of IL-8 in human intestinal epithelial cells requires *Campylobacter*-secreted CDT and TLR-induced activation of NF- $\kappa$ B. *Infect. Immun.* 76:4498-4508.

- 66) Zheng, J., S. Cui, L. Teel, S. Zhao, R. Singh, A. O'Brien and J. Meng. 2008. Identification and characterization of Shiga toxin 2 variants in *Escherichia coli* isolated from animals, food and humans. *Appl. Environ. Microbiol.* 74: 5645–5652.
- 67) Xi, M., J. Zheng, S. Zhao, E. W. Brown, and J. Meng. 2008. An enhanced discriminatory PFGE scheme for subtyping *Salmonella* serotypes Heidelberg, Kentucky, SaintPaul, and Hadar. *J. Food Prot.* 71:2067:2072.
- 68) Bhagwat1, A.A., W. Jun, L. Liu, P. Kannan, B. D. Tall, M.H. Kothary, K.C. Gross, S. Angle, J. Meng, and A. Smith. 2009. Osmoregulated periplasmic glucans of *Salmonella enterica* serovar Typhimurium are required for optimal virulence in mice. *Microbiology.* 155: 229-237.
- 69) Zheng, J., S. Cui, J. Meng. 2009. Effect of transcriptional activators RamA and SoxS on expression of multidrug efflux pumps AcrAB and AcrF in fluoroquinolone-resistant *Salmonella* Typhimurium. *J Antimicrob Chemother.* 63: 95-102
- 70) Xia, X., S. Zhao, A. Smith, J. McEvoy, J. Meng, and A.A. Bhagwat. 2009. Characterization of *Salmonella* isolates from retail foods based on serotyping, PFGE, antibiotic resistance, inducible acid-tolerance, biofilm formation and Caco-2 cell infectivity. *Intl. J. Food Microbiol.* 129: 93-98
- 71) Yang, B., J. Zheng, E. Brown, S. Zhao, and J. Meng. 2009. Characterization of antimicrobial resistance associated integrons and mismatch-repair mutation in *Salmonella* serovars. *Intl J. Antimicrob. Agents*, 33:120 - 124
- 72) Han, F., S. Pu, F. Wang, J. Meng, and B. Ge. 2009. Fitness Cost of Macrolide Resistance in *Campylobacter jejuni*. *Intl. J. Antimicrobial Agents.* 34:462-466.
- 73) Liu, L., S. Tan, W. Jun, A. Smith, J. Meng, and A. A. Bhagwat. 2009. Osmoregulated periplasmic glucans are needed for competitive growth and biofilm formation by *Salmonella enterica* serovar Typhimurium in leafy-green vegetable wash waters and colonization in mice. *FEMS Microbiol Lett* 292:13-20.
- 74) Xia, X, J. Meng, P.F. McDermott, S. Ayers, K. Blickenstaff, T. Tran, J. Abbott, J. Zheng, and S. Zhao. 2010. Presence and Characterization of Shiga Toxin-Producing *Escherichia coli* and Other Potentially Diarrheagenic *Escherichia coli* in Retail Meats. *Appl. Environ. Microbiol.* 76: 1709–1717.
- 75) Liu, L., M. Dharne., P. Kannan, A. Smith, J. Meng, M. Fan, T. L. Boren, R. T. Ranallo5, and A. A. Bhagwat. 2010. Osmoregulated periplasmic glucans synthesis gene family of *Shigella flexneri*. *Arch. Microbiol.* 192:167-74.

- 76) Yang, B., D. Qu, X. Zhang, J. Shen, S. Cui, Y. Shi, M. Xi, M. Sheng, S. Zhi and J. Meng. 2010. Prevalence and Characterization of *Salmonella* Serovars in Retail Meats of Marketplace in Shaanxi, China. *Intl. J. Food Microbiol.* 141:63–72.
- 77) Lubran, M.B., R. Pouillot, S. Bohm, E.M. Calvey, J. Meng, and S. Dennis. 2010. Observational Study of Food Safety Practices in Retail Deli Departments. *J Food Prot* 73:1849-1857.
- 78) Zheng, J., C. Keys, S. Zhao, R. Ahmed, J. Meng, and E. W. Brown. 2011. Simultaneous Analysis of Multiple Enzymes Sharply Increases the Accuracy of PFGE in Assigning Genetic Relationships among Homogeneous *Salmonella* Strains. *J. Clin. Microbiol.* 49:85-94.
- 79) Xia, X., J. Meng, S. Zhao, S. Bodeis-Jones, S. A. Gaines, S. L. Ayers, Patrick F. McDermott. 2011. Identification and Antimicrobial Resistance of Extraintestinal Pathogenic *Escherichia coli* from Retail Meats. *J Food Prot.* (accepted)
- 80) Wang, X., S. Zhao, H. Hobblo, T. Tran, K. Blickenstaff, and J. Meng. 2011. Antimicrobial resistance and molecular subtyping of *Campylobacter jejuni* and *Campylobacter coli* isolated from retail meats. *J Food Prot.* (accepted)
- 81) Yang, B., M. Xi, S. Cui, X. Zhang, J. Shen, M. Sheng, and D. Qu, and J. Meng. 2011. Mutations in Gyrase and Topoisomerase Genes Associated with Fluoroquinolone Resistance in *Salmonella* serovars from Retail Meats. *Food Res Intl.* (accepted)
- 82) Xia, X., P. F. McDermott, S. Zhao and J. Meng. 2011. *Escherichia coli* from retail meats carry genes associate with uropathogenic *E. coli*, but are weakly invasive in human bladder cell culture. *J. Appl. Microbiology* (accepted)

ii. Invited reviews

- 83) Zhao, S., J. Meng, T. Zhao, and M.P. Doyle. 1995. Use of vaccine and biological control techniques to control pathogens in animals used for food. *J. Food Safety.* 15:193-199.
- 84) Meng, J., M.P. Doyle, S. Zhao, and T. Zhao. 1994. The detection and control of *Escherichia coli* O157:H7 in foods. *Trends Food Sci. Technol.* 5:179-185.
- 85) Meng, J., M.P. Doyle. 1997. Emerging issues of microbiological food safety, 255-275. In: *Annual Review of Nutrition*, (D. McCormick, ed.), Annual Reviews Inc., Palo Alto, CA
- 86) Meng, J., M.P. Doyle. 1998. Emerging and evolving microbial foodborne pathogens. *Bull. Inst. Pasteur (Currently Microbes and Infect).* 96:151-163.
- 87) Meng, J., and M.P. Doyle. 2002. Microbiological food safety. *Microbes and Infect.* 4:395-397.

- 88) Schroeder, C.M, D. G. White and J. Meng. 2004. The significance of antimicrobial-resistant *Escherichia coli* in retail foods. *Food Microbiol.* 21:249-255.
- 89) Meng, J. 2008. Microbial pathogen detections in Food. *BIOforum Europe.* 12:36-37.
- 90) Ge, B. and J. Meng. 2009. Advanced technologies for pathogen and toxin detection in foods: current applications and future directions. *J Association Laboratory Automation,* 14:235-241.
- 91) 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.
- 92) NACMCF. 2006. Requisite scientific parameters for establishing the equivalence of alternative methods of pasteurization. *J Food Prot.* 69:1190-1206.
- 93) NACMCF. 2007. Analytical utility of *Campylobacter* methodologies. *J. Food Prot,* 70: 241–250.
- 94) NACMCF. 2007. Response to the questions posed by the food safety and inspection service regarding consumer guidelines for the safe cooking of poultry products. *J. Food Prot,* 70:251–260.
- 95) NACMCF. 2008. Response to the Questions Posed by the Food and Drug Administration and the National Marine Fisheries Service Regarding Determination of Cooking Parameters for Safe Seafood for Consumers. *J. Food Prot,* 71:1287–1308.
- 96) NACMCF. 2010. Parameters for Determining Inoculated Pack/Challenge Study Protocols. *J. Food Prot.* 73:140-202.
- 97) 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.
- 98) NACMCF. 2010. Assessment of Food as a Source of Exposure to *Mycobacterium avium* subspecies *paratuberculosis* (MAP). *J Food Prot.* 73:1357-97.
- 99) 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.*

**c. Other research articles**

- 100) Yang, B., M. Sheng, M. Xi, and J. Meng. 2008. Identification and antimicrobial susceptibility of foodborne *Salmonella*. *Acta Microbiologica Sinica*. 48:1006-1012.
- 101) Yang, B., M. Sheng, M. Xi, J. Shen and J. Meng. 2008. Progress on studies of mechanisms of antibiotic resistance of *Salmonella*. *Microbiology*. 35:1479-1484..
- 102) Shen, J., B. Yang, S. Zhi, S. Cui, M. Xi, P. Yang, and J. Meng. 2008. Detection and analysis of antibiotic resistance of *Salmonella* from retail food in Shaanxi Province. *Chin J. Prev Med*. 42:758-761.
- 103) Yang, B., D. Qu, J. Shen, M. Xi, S. Zhi, S. Cui, B. Ji, and J. Meng. 2010. Antimicrobial susceptibility of *Salmonella* serovars from retail food in Shaanxi Province. *Acta Microbiologica Sinica*. 50:788-796.
- 104) Yang, Y., S. Cui, M. Xi, P. Yang, and J. Meng. 2010. Antimicrobial susceptibility of *Salmonella* serovars and *Staphylococcus aureus* isolated from salad. *Chin J. Prev Med*. 44:757-759.
- 105) Xu, Y., B. Yang, B. Chai, J. Zhang, Y. Li, and J. Meng. 2010. Extraction of polysaccharides from *Laminaria Japonica* by ultrasonic-associated enzyme method and its antimicrobial activity. *Transactions of CSAE*. 26:256-362.
- 106) Yang, B., X. Zhang, D. Qu, M. Xi, S. Cui, J. Shen, B. Zhao, B. Ji, and J. Meng. 2010. Serotypic and genotypic characterization of *Salmonella* servers from retail meat in Shaanxi Province (2007-2008). *Acta Microbiologica Sinica*. 50:654-660-796.
- 107) He, X., S. Yu, W. Chen, C. Shi, J. Meng, and X. Shi. 2010. Detection of *Vibrio parahaemolyticus* by PCR with internal amplification control. *Acta Microbiologica Sinica*. 50:387-394.

**d. Monographs, reports, and extension publications**

- 108) Zhao, T., M.P. Doyle, S. Zhao and J. Meng. 1994. The detection and control of *Escherichia coli* O157:H7 in foods. In: *Proceedings of the 3rd International Conference on Food Safety*, (A. Amgar, ed.) Laval, France. p.263-281.
- 109) Meng, J. 1998. Postharvest storage and processing of agricultural products. *Recommendations on Development of Agricultural Science in China*. (in Chinese)
- 110) Mask, P.L., J. Meng, R.J. Miller, W. Tai, C. Wang, L. Wen, D. Zhang, Y. Zhou. 1999. Sustainable agricultural production and soil/water conservation in the Panxi region of Sichuan Province. A report on how the government might increase agricultural production, introduce new crops and conserve soil and water.
- 111) Meng, J. 2002. Book review: verotcytotoxigenic *E. coli*. *Food Technol*. 56:133.

- 112) 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.
- 113) Meng, J. 2003. Emerging Antimicrobial resistance in foodborne pathogens. In: Proceedings of 5<sup>th</sup> International Symposium on the Epidemiology and Control of Foodborne Pathogens in Pork. Crete, Greece. P27-33.
- 114) IFT Expert Report. 2006. Antimicrobial resistance: implications for the food system. Institute of Food Technologists, Chicago, IL.
- 115) Grant, M., C. Hedberg, R. Johnson, C.M. Logue, J. Meng, J. Sofos and J.S. Dickson. 2008. The Significance of Non-O157 Shiga Toxin-Producing *Escherichia coli* in Food. White Paper of International Association of Food Protection.
- 116) National Academies/National Research Council Report. 2009. Review of the Food Safety and Inspection Service (FSIS) Risk-Based Approach to Public Health Attribution. (<http://foodrisk.org/downloads/NationalResearchCouncil-FSIS-Risk-Based-Approach.pdf>)
- 117) Najjar, M. and J. Meng. 2009. Risk Assessment of Disinfection Byproducts in Poultry Chilled in Chlorinated Water. Report to the USA Poultry & Egg Export Council.
- 118) American Academy of Microbiology. 2010. Global Food Safety: Reducing Risk from Farm to Table.
- 119) Meng, J. and P. Young. 2011. Support for food safety capacity building is not philanthropic, it's just common sense. Food Safety Magazine.

**d. Talks, Abstracts, and Other Professional Papers Presented**

i. Invited lectures

**Regional:**

- 1) Meng, J. 1997. Emerging microbial foodborne pathogens. National Nutrition Center, USDA Beltsville Agricultural Research Center. Beltsville, MD.
- 2) Meng, J. 1998. Emerging and evolving microbial foodborne pathogens. Beckton and Dickinson, Inc., Sparks, MD
- 3) Meng, J. 1998. A hard food safety lesson from *Escherichia coli* O157:H7 infection. American Society for Microbiology DC Branch Meeting, Washington, DC

- 4) Meng, J. 1999. Rapid methods for detecting enterohemorrhagic *Escherichia coli*. JFSAN Executive Committee Meeting, University of Maryland, College Park, MD
- 5) 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
- 6) Meng, J. 1999. *Escherichia coli* O157:H7 and Food Safety. The Atlantic Food Development and Processing Conference. Baltimore, MD.
- 7) Meng, J. 2000. Enterohemorrhagic *E. coli* as significant foodborne pathogens. Maryland Department of Health and Mental Hygiene, Baltimore, MD.
- 8) Meng, J. 2000. Foodborne diseases: microbial aspects. Cooperate Extension Educators Conference: Current Food Safety Issues. University of Maryland, College Park, MD.
- 9) Meng, J. 2000. Isolation and characterization of *Campylobacter*, *E. coli* and *Salmonella* from retail meats. Center for Veterinary Medicine, Food & Drug Administration, Laurel, MD.
- 10) 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.
- 11) Meng, J. 2002. Pathogens in food and foodborne illness. Food Safety and Public Health: Issues for the 21<sup>st</sup> Century. Central Atlantic States Association of Food and Drug Officials, and Metropolitan Washington Public Health Association. College Park, MD.
- 12) Meng, J. 2002. Antimicrobial resistance among Shiga toxin-producing *Escherichia coli*. Annual Meeting of JIFSAN Advisory Committee. College Park, MD.
- 13) Meng, J. 2002. Antimicrobial resistance among Shiga toxin-producing *Escherichia coli*. FDA/CFSAN. College Park, MD.
- 14) Meng, J. 2002. Microbial safety of retail meat products. National Association of Public Health Laboratories Meeting. Laurel, MD.
- 15) Meng, J. 2002. Erythromycin and ciprofloxacin resistance in *Campylobacter* isolated from retail meats. JIFSAN Advisory Council Meeting, College Park, MD.
- 16) Meng, J. 2002. Rapid detection of foodborne pathogens. The University of Maryland BioScience Day, College Park, MD.
- 17) Meng, J. 2003. Molecular mechanisms of erythromycin and ciprofloxacin resistance in *Campylobacter*. JIFSAN Advisory Council Meeting, College Park, MD.

- 18) Meng, J. 2004. Role of efflux pumps and gyrase mutations on antimicrobial resistance in *Campylobacter*. JIFSAN Annual Research Conference, College Park, MD.
- 19) Meng, J. 2005. Fluoroquinolone resistance in *Campylobacter jejuni/coli*: efflux pumps and gyrase A gene mutation. JIFSAN Advisory Council Meeting, College Park, MD.
- 20) 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.
- 21) Meng, J. 2009. Antimicrobial resistance, food and health. Online Distance Lecture for Maryland Cooperative Extension. College Park, MD.

**National:**

- 22) 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.
- 23) Meng, J. 1998. Strand displacement amplification (SDA) for detecting Shiga toxin-producing *Escherichia coli*. Food Safety Diagnostics Congress: Novel Techniques. St. Louis, MO.
- 24) Meng, J. 1998. *Escherichia coli* O157:H7: an agent that has changed food safety system. Food Forum, National Academy of Science, Washington, DC.
- 25) Meng, J. 1999. Detection, subtyping and antibiotic resistance of foodborne enteric pathogens. Iowa State University, Ames, IA.
- 26) Meng, J. 2001. Characterization of antimicrobial resistance among *Salmonella* isolated from retail meats. National Antimicrobial Resistance Monitoring System Conference, Rockville, MD.
- 27) Meng, J. 2001. Antimicrobial resistance of Shiga toxin-producing *Escherichia coli*. Annual Meeting of American Society of Microbiology, Orlando, FL.
- 28) Meng, J. 2004. Antimicrobial susceptibility of *Campylobacter* spp. and *Salmonella* serovars isolated from retail organic chickens. The 44<sup>th</sup> Interscience Conference on Antimicrobial Agents and Chemotherapy, Washington, DC.
- 29) Meng, J. 2005. Antimicrobial resistance of foodborne pathogens: mechanisms and resistance transfer. Department of Population Health and Reproduction, University of California, Davis, CA.

- 30) Meng, J. 2005. Diarrheagenic *Escherichia coli* and *E. coli* O157:H7. Veterinary Research Center, University of California, Davis, CA
- 31) Meng, J. 2007. Genomic Mutations: Shiga Toxin Variants in *E. coli* and Multidrug Resistance in *Salmonella*. Rutgers University, New Brunswick, NY.
- 32) Meng, J. 2008. Advanced technologies for detecting foodborne pathogens: current application and limitations. ALA LabAutomation 2008, Palm Spring, CA.
- 33) 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.
- 34) Meng, J. 2009. Foodborne pathogens and outbreaks: in introduction. Workshop: Produce Food Safety in Schools, Greenbelt, MD.

**International:**

- 35) Meng, J. 1994. *Escherichia coli* O157:H7 and its significance in food. Guizhou University, Guiyang, China.
- 36) Meng, J. 1994. Emerging foodborne pathogens in food animals. Guizhou Veterinary Research Institute, Guiyang, China.
- 37) Meng, J. 1999. Food safety standards in the United States. Anhui Agricultural University, China.
- 38) Meng, J. 1999. Food safety and emerging foodborne pathogens. Hefei University of Science and Technology, Anhui, China.
- 39) Meng, J. 1999. Food safety of fresh produce. Jiangxi Academy of Forestry, Nanchong, China.
- 40) Meng, J. 1999. HACCP in meat processing plant. Jiangxi Academy of Agricultural Sciences, Nanchong, China.
- 41) Meng, J. 1999. Antibiotic resistance gene transfer in foodborne bacteria. Yunan University of Science and Technology, Kuming, China.
- 42) Meng, J. 2001. Foodborne illness and emerging foodborne pathogens in the United States. College of Veterinary Medicine, China Agricultural University, Beijing, China.
- 43) Meng, J. 2001. Antimicrobial resistance of foodborne pathogens. Institute for Veterinary Drug Inspection and Contro, China Ministry of Agriculture, Beijing, China

- 44) Meng, J. 2001. Bacterial pathogens important to food safety. College of Life Science and Biotechnology, Guizhou University, Guiyang, China.
- 45) Meng, J. 2003. Emerging antimicrobial resistance in foodborne pathogens. Keynote lecture, 5<sup>th</sup> International Symposium on the Epidemiology and control of Foodborne Pathogens in Pork, Crete, Greece.
- 46) Meng, J. 2003. Molecular mechanisms of fluoroquinolone resistance in *Salmonella* and *Campylobacter jejuni/coli*, Aristotle University, Thessaloniki, Greece.
- 47) Meng, J. 2004. Role of efflux pumps and gyrase mutations on erythromycin and ciprofloxacin resistance in *Campylobacter*. The 5<sup>th</sup> World Congress Foodborne Infections & Intoxications, Berlin, Germany.
- 48) Meng, J. 2004. Antimicrobial resistance of foodborne pathogens. Sichuan Agricultural University, Sichuan, China.
- 49) Meng, J. 2004. Application of advanced technologies to food safety. International Commission on Microbiological Specifications for Foods (ICMS) International Food Safety Conference. Beijing, China.
- 50) 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.
- 51) Meng, J. 2004. Molecular mechanisms of antimicrobial resistance and resistance gene transfer. China Agricultural University, Beijing, China.
- 52) Meng, J. 2004. Antimicrobial-resistant bacteria in food of animal origin. Veterinary Public Health Section, Food & Environmental Hygiene Department, Hong Kong.
- 53) Meng, J. 2005. Advanced technologies in food safety: current usage and future applications. Northwest A & F University, Yanglin, China.
- 54) Meng, J. 2006. Detection of microorganisms in food. “Food safety: Basic Science and Practice in Food Processing” Workshop, Northwest A & F University, Yanglin, China.
- 55) Meng, J. 2007. Mechanisms of antimicrobial resistance development and transfer. Northwest A & F University, Yanglin, China.
- 56) Meng, J. 2007. Need for international food safety training. China International Food Safety and Quality Conference, Beijing, China.
- 57) Meng, J. 2008. Challenges in detection of microorganisms in food. “Food safety, Quality and Control” Symposium, Northwest A & F University, Yanglin, China.

- 58) Meng, J. 2008. Advanced technologies for pathogen and toxin detection in foods. China International Food Safety and Quality Conference, Beijing, China.
- 59) Meng, J. 2009. Food safety risk analysis at JIFSAN. APEC Workshop “Examination of Hot Issues in Food Safety Risk Analysis”, Singapore.
- 60) Meng, J. 2009. Challenges and opportunities of microbial food safety in a changing world. Shanghai Veterinary Research Institute, Shanghai, China.
- 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.

ii. Contributed talk, Abstracts, etc.

- 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 retain 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 11<sup>th</sup> 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. 42<sup>nd</sup> 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 5<sup>th</sup> International Symposium on “Shiga Toxin (Verocytotoxin)-Producing *Escherichia coil* 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. 7<sup>th</sup> PulseNet Annual Update Meeting, April 29-May 2, 2003, San Antonio, Texas.
- 46) Meng, J. 2003. Emerging antimicrobial resistance in foodborne pathogens. Keynote lecture, 5<sup>th</sup> 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. 43<sup>rd</sup> 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 5<sup>th</sup> 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 44<sup>th</sup> 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 44<sup>th</sup> 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-kB. 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. 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.