

ILSI North America Technical Committee on Food Microbiology Funded Research: Resulting Publications 1989–2010

Abstracts, Book Chapters, and Journal Articles

- 2007 Brehm-Stecher BF, Johnson EA. Rapid methods for detection of *Listeria*. In: Marth EH, Ryser ET, eds. *Listeria, Listeriosis, and Food Safety*. 3rd ed. Boca Raton, FL: CRC Press, p. 257–282.
- 2007 Gurtler JB, Beuchat LR. Growth of *Enterobacter sakazakii* in reconstituted infant formula as affected by composition and temperature. *J Food Prot.* 70(9):2095–2103.
- 2007 Gurtler JB, Beuchat LR. Survival of *Enterobacter sakazakii* in powdered infant formula as affected by composition, water activity, and temperature. *J Food Prot.* 70(7):1579–1586.
- 2007 Lin LC, Beuchat LR. Survival of *Enterobacter sakazakii* in infant cereal as affected by composition, water activity, and temperature. *Food Microbiol.* 24(7–8):767–777.
- 2007 Lin LC, Beuchat LR. Survival and growth of *Enterobacter sakazakii* in infant cereal as affected by composition, reconstitution liquid, and storage temperature. *J Food Prot.* 70(6):1410–1422.
- 2007 Phongpaichit S, Liamthong S, Mathew AG, Chethanond U. Prevalence of class 1 integrons in commensal *Escherichia coli* from pigs and pig farmers in Thailand. *J Food Prot.* 70(2):292–299.
- 2007 Shi X, Namvara A, Kostrzynska M, Hora R, Warriner K. Persistence and growth of different *Salmonella* serovars on pre- and postharvest tomatoes. *J Food Prot.* 70(12):2725–2731.
- 2006 Atwill ER, Tate KW, das Gracas Cabral Pereira M, Bartolome J, Nader G. Efficacy of natural grassland buffers for removal of *Cryptosporidium parvum* in rangeland runoff. *J Food Prot.* 69(1):177–184.
- 2006 Cannon JL, Papafragkou E, Park GW, Osborne J, Jaykus LA, Vinje J. Surrogates for the study of norovirus stability and inactivation in the environment: a comparison of murine norovirus and feline calicivirus. *J Food Prot.* 69(11):2761–2765.
- 2006 Chen Y, Ross WH, Gray MJ, Wiedmann M, Whiting RC, Scott VN. Attributing risk to *Listeria monocytogenes* subgroups: dose response in relation to genetic lineages. *J Food Prot.* 69(2):335–344.
- 2006 Fugett E, Fortes E, Nnoka C, Weidmann M. International Life Sciences Institute North America *Listeria monocytogenes* Strain Collection: development of standard *Listeria monocytogenes* strain sets for research and validation studies. *J Food Prot.* 69(12):2929–2938.
- 2006 Steel AK, Hewitt J, Kelliher F, Greening GE. Survival and persistence of enteric viruses on salad greens over time [poster presentation]. 12th Australian Food Microbiology Conference/2nd International Conference on Microbial Risk Assessment: Foodborne Hazards, Sydney, Australia, February 20–23, 2006.
- 2006 Takeuchi K, Myrtle N, Lambert S, Coleman M, Doyle MP, Smith MA. Comparison of *Listeria monocytogenes* virulence in a mouse model. *J Food Prot.* 69(4):842–846.
- 2006 Tate KW, Atwill ER, Bartolome JW, Nader G. Significant *Escherichia coli* attenuation by vegetative buffers on annual grasslands. *J Environ Qual.* 35(3):795–805.
- 2005 Barak JD, Sananikone K, Delwiche MJ. Comparison of primers for the detection of pathogenic *Escherichia coli* using real-time PCR. *Lett Appl Microbiol.* 41(2):112–118.

- 2005 Brehm-Stecher BF, Hyldig-Nielsen JJ, Johnson EA. Design and evaluation of 16S rRNA-targeted peptide nucleic acid probes for whole cell detection of the genus *Listeria*. *Appl Environ Microbiol*. 71(9):5451–5457.
- 2005 Johnson EA, Larson AE. Lysozyme. In: Davidson PM, Sofos JN, Branen AL, eds. *Antimicrobials in Foods*. 3rd ed. Boca Raton, FL: CRC Press. pp. 361–387.
- 2005 Schlech WF 3rd, Schlech WF 4th, Haldane H, Mailman TL, Warhuus M, Crouse N, Haldane DJ. Does sporadic *Listeria* gastroenteritis exist? A 2-year population-based survey in Nova Scotia, Canada. *Clin Infect Dis*. 41(6):778–784.
- 2005 Walls I, Buchanan RL. Use of food safety objectives as a tool for reducing foodborne listeriosis. *Food Control*. 16(9):795–799.
- 2004** Borucki MK, Kim SH, Call DR, Smole SC, Pagotto F. Selective discrimination of *Listeria monocytogenes* epidemic strains by a mixed-genome DNA microarray compared to discrimination by pulsed-field gel electrophoresis, ribotyping, and multilocus sequence typing. *J Clin Microbiol*. 42(11):5270–5276.
- 2004 Brehm-Stecher BF, Johnson EA. Rapid nucleic acid-based detection and enumeration of *Listeria* spp. by flow cytometry [extended abstract]. *Food Prot Trends*. 24(10):761–763.
- 2004 Csordas AT, Barak JD, Delwiche MJ. Comparison of primers for the detection of *Salmonella enterica* serovars using real-time PCR. *Lett Appl Microbiol*. 39(2):187–193.
- 2004 Evans MR, Swaminathan B, Graves LM, Altermann E, Klaenhammer TR, Fink RC, Kernodle S, Kathariou S. Genetic markers unique to *Listeria monocytogenes* serotype 4b differentiate epidemic clone II (hot dog outbreak strains) from other lineages. *Appl Environ Microbiol*. 70(4):2383–2390.
- 2004 Evans MR, Swaminathan B, Graves LM, Bowen S, Kathariou S. Identification of potentially unique genetic markers and virulence attributes of epidemic-associated strains of *Listeria monocytogenes* [extended abstract]. *Food Prot Trends*. 24(10):758–759.
- 2004 Gray MJ, Zadoks RN, Fortes ED, Dogan B, Cai S, Chen Y, Scott VN, Gombas DE, Boor KJ, Weidmann M. *Listeria monocytogenes* isolates from foods and humans form distinct but overlapping populations. *Appl Environ Microbiol*. 70(10):5833–5841.
- 2004 Pagotto F, Corneau N, McIlwham S, Smole S, Leopold P, Farber JM. Comparative analyses of *Listeria monocytogenes* using multi-locus sequence typing (MLST) of housekeeping and virulence genes, variable number of tandem repeats (VNTR), and MALDI-ToF mass spectroscopy [abstract]. XV International Symposium on Problems of Listeriosis, Uppsala, Sweden, September 12–15, 2004.
- 2004 Pagotto FJ, Corneau N, Smole SC, Farber JM. Use of sequence typing for characterization of virulence factors and for the development of a novel molecular typing scheme for *Listeria monocytogenes* [extended abstract]. *Food Prot Trends*. 24(10):755–757.
- 2004 Wiedmann M, Roma M, Windham, K, Gray M, Fortes E. Molecular and phenotypic characterization of *Listeria monocytogenes* isolates from humans and foods to define human pathogenic strains. *Food Prot Trends* [extended abstract]. 24(10):759–761.
- 2003** Mathew AG, Arnett DB, Cullen P, Ebner PD. Characterization of resistance patterns and detection of apramycin resistance genes in *Escherichia coli* isolated from swine exposed to various environmental conditions. *Int J Food Microbiol*. 89(1):11–20.
- 2003 Pagotto F, Corneau N, Smole S, Farber JM. Use of sequence typing for characterization of virulence factors and for the development of a novel molecular typing scheme for *Listeria monocytogenes* [abstract]. 90th International Association for Food Protection Annual Meeting, New Orleans, LA, August 10–13, 2003.

- 2003 Smith, MA, Takeuchi K, Brackett RE, McClure HM, Raybourne RB, Williams KM, Babu US, Ware GO, Broderson JR, Doyle MP. Nonhuman primate model for *Listeria monocytogenes*-induced stillbirths. *Infect Immun.* 71(3):1574–1579.
- 2003 Takeuchi K, Smith MA, Doyle MP. Pathogenicity of food and clinical *Listeria monocytogenes* isolates in a mouse bioassay. *J Food Prot.* 66(12):2362–2366.
- 2003 Weidmann M. ADSA Foundation Scholar Award—An integrated science-based approach to dairy food safety: *Listeria monocytogenes* as a model food system. *J Dairy Sci.* 86(6):1865–1875.
- 2002** Atwill ER, Hou L, Karle BM, Harter T, Tate KW, Dahlgren RA. Transport of *Cryptosporidium parvum* oocysts through vegetated buffer strips and estimated filtration efficiency. *Appl Environ Microbiol.* 68(11):5517–5527.
- 2002 Ebner PD, Arnett DB, Cullen P, Liu J, Mathew AG. Molecular characteristics of apramycin-resistant *E. coli* isolated from stressed pigs. In: Annual Report. Knoxville, TN: Department of Animal Science, the University of Tennessee.
- 2002 Jiang X, Morgan J, Doyle MP. Fate of *Escherichia coli* O157:H7 in manure-amended soil. *Appl Environ Microbiol.* 68(5):2605–2609.
- 2002 Kathariou S. *Listeria monocytogenes* virulence and pathogenicity, a food safety perspective. *J Food Prot.* 65(11):1811–1829.
- 2002 Pagotto F, Farber JM. Use of sequence typing for characterization of virulence factors and for the development of a novel molecular typing scheme for *Listeria monocytogenes* [abstract]. Federal Food Safety and Nutrition Research Meeting, Guelph, Ontario, September 15–17, 2002.
- 2002 Pagotto FJ, Smole S, Farber JM. Use of sequence typing for characterization of virulence factors and for the development of a novel molecular typing scheme for *Listeria monocytogenes* [abstract]. *Listeria Research Update*, 89th Annual International Association for Food Protection Meeting, San Diego, California, June 28–July 4, 2002.
- 2002 Poppe C, Martin L, Prescott J, McEwen S, Muckle A, Alves D, Ziebell K, Allen K. The effect of administration and withdrawal of antimicrobials on the transfer, retention and loss of resistance genes by *Salmonella typhimurium*, *E. coli* and *Enterococcus* spp. [poster A-108]. American Society of Microbiology Annual Meeting, Salt Lake City, UT, May 19–23, 2002.
- 2002 Smole SC, Pagotto F, Farber JM. *Listeria monocytogenes*: Development and application of MLST [abstract]. International Workshop on Multi-locus Sequence Typing (MLST), Wellcome Trust, Hinxton Hall Conference Centre, Hinxton, Cambridge, UK, December 1–3, 2002.
- 2002 Smole SC, Pagotto F, Lute S, Farber J. Development of a multilocus sequence typing (MLST) scheme for *Listeria monocytogenes* [abstract 116]. International Conference on Emerging Infectious Diseases, Atlanta, GA, March 24–27, 2002, p. 107.
- 2002 Weidmann M. Molecular subtyping methods for *Listeria monocytogenes*. *J AOAC Int.* 85(2):524–531.
- 2002 Weidmann M. Subtyping of bacterial foodborne pathogens. *Nutr Rev.* 60(7 pt 1):201–208.
- 2001** Arnett D, Mathew AG. Apramycin resistance of *E. coli* isolated from cold-stressed swine [abstract]. *J Anim Sci.* 79(suppl 1).
- 2001 Cullen P, Mathew AG, Clift R, Chattin SE. Effects of management and environmental conditions on antibiotic resistance in bacteria associated with swine [abstract]. The 101st Meeting of the American Society of Microbiology, Orlando, FL, May 20–24, 2001.

- 2000** Cullen P, Clift R, Mathew AG. Effects of environment and husbandry conditions on antibiotic resistance patterns of bacteria from swine [proceedings]. International Conference on Tropical Agriculture Technology for Better Health and Environment, Nakhon Pathom, Thailand, November 29–December 2, 2000.
- 2000 Haas CN. Epidemiology, microbiology and risk assessment of waterborne pathogens including *Cryptosporidium*. *J Food Prot.* 63(6):827–831.
- 2000 Haas CN, Thayyar-Madabusi A, Rose JB, Gerba CP. Development of a dose-response relationship for *Escherichia coli* O157:H7. *Int J Food Microbiol.* 56(2–3):153–159.
- 1999** Haas CN, Thayyar-Madabusi A, Rose JB, Gerba CP. Development and validation of dose-response relationships for *Listeria monocytogenes*. *Quant Microbiol.* 1(1):89–102.
- 1999 Harmon BG, Brown CA, Tkalcic S, Mueller POE, Parks A, Jain AV, Zhao T, Doyle MP. Fecal shedding and rumen growth of *Escherichia coli* O157:H7 in fasted calves. *J Food Prot.* 62(6):574–579.
- 1999 Tarr PI, Tran TN, Wilson RA. *Escherichia coli* O157:H7 in retail ground beef in Seattle: Results of a one-year prospective study. *J Food Prot.* 62(2):133–139.
- 1998** Brown CA, Harmon BG, Tkalcic S, Doyle MP, Zhao T. Effect of diet and rumen microenvironment on the proliferation and fecal shedding of *E. coli* O157:H7 in calves [abstract]. International Association of Milk, Food and Environmental Sanitarians Annual Meeting, Nashville, TN, August 16–19, 1998, p. 17.
- 1998 Cassin MH, Lammerding AM, Todd ECD, Ross W, McColl RS. Quantitative risk assessment for *Escherichia coli* O157:H7 in ground beef hamburgers. *Int J Food Microbiol.* 41(1):21–44.
- 1998 Cassin MH, Paoli GM, Lammerding AM. Simulation modeling for microbial risk assessment. *J Food Prot.* 61(11):1560–1566.
- 1998 Slutsker L, Ries AA, Maloney K, Wells JG, Greene KD, Griffin PM, *Escherichia coli* O157:H7 Study Group. A nationwide case-control study of *Escherichia coli* O157:H7 infection in the United States. *J Infect Dis.* 177(4):962–966.
- 1998 Tkalcic S, Harmon BG, Brown CA, Jan A, Mueller E, Parks A, Jacobsen KL, Zhao T, Doyle MP. Effect of diet of rumen proliferation and fecal shedding of *Escherichia coli* O157:H7 in calves [abstract P-3.4]. International Conference on Emerging Infectious Diseases, Atlanta, GA, March 8–11, 1998, p. 82.
- 1997** Besser TE, Hancock DD, Pritchett LC, McRae EM, Rice DH, Tarr PI. Duration of detection of fecal excretion of *Escherichia coli* O157:H7 in cattle. *J Infect Dis.* 175(3):726–729.
- 1997 Hancock DD, Besser TE, Rice DH, Herriott DE, Tarr PI. A longitudinal study of *Escherichia coli* O157:H7 in fourteen cattle herds. *Epidemiol Infect.* 118(2):193–195.
- 1997 Slutsker L, Ries AA, Greene KD, Wells JG, Hutwagner L, Griffin PM, for the *Escherichia coli* O157:H7 Study Group. *Escherichia coli* O157:H7 diarrhea in the United States: clinical and epidemiologic features. *Ann Intern Med.* 126(7):505–513.
- 1997 Tkalcic S, Harmon BG, Brown CA, Mueller E, Parks A, Zhao T, Doyle MP. Effects of rumen microenvironment on the growth and fecal shedding of *E. coli* O157:H7 in calves [abstract V154/11]. VTEC 1997 Third International Symposium and Workshop on Shiga Toxin (Verocytotoxin)-producing *Escherichia coli* Infections, Baltimore, MD, June 22–26, 1997, p. 36.
- 1996** Bille J, Rocourt J. WHO International Multicenter *Listeria monocytogenes* Subtyping Study—rationale and set-up of the study. *Int J Food Microbiol.* 32(3):251–262.
- 1996 Brosch R, Brett M, Catimel B, Luchansky JB, Ojeniyi B, Rocourt J. Genomic fingerprinting of 80 strains from the WHO multicenter international typing study of *Listeria monocytogenes* via pulsed-field gel electrophoresis (PFGE). *Int J Food Microbiol.* 32(3):343–355.

- 1996 Bunduki MMC, Zavizion BA, Politis I, Donnelly CW. Virulence of culture filtrate from heat-injured and repaired *Listeria* strains: assay on bovine mammary epithelial (MAC-T) cells. *J Food Prot.* 59(9):932–937.
- 1996 Caugant DA, Ashton FE, Bibb WF, Boerlin P, Donachie W, Low C, Gilmour A, Harvey J, Norrung B. Multilocus enzyme electrophoresis for characterization of *Listeria monocytogenes* isolates: results of an international comparative study. *Int J Food Microbiol.* 32(3):301–311.
- 1996 Drebot M, Neal S, Schlech W, Rozee K. Differentiation of *Listeria* isolates by PCR amplicon profiling and sequence analysis of 16S-23S rRNA internal transcribed spacer loci. *J Appl Microbiol.* 80(2):174–178.
- 1996 Gerner-Smidt P, Boerlin P, Ischer F, Schmidt J. High-frequency endonuclease (REA) typing: results from the WHO collaborative study group on subtyping of *Listeria monocytogenes*. *Int J Food Microbiol.* 32(3):313–324.
- 1996 Laberge I, Griffiths MW, Griffiths MW. Prevalence, detection and control of *Cryptosporidium parvum* in food. *Int J Food Microbiol.* 32(1–2):1–26.
- 1996 Laberge I, Ibrahim A, Barta J, Griffiths MW. Detection of *Cryptosporidium parvum* in raw milk by PCR and oligonucleotide probe hybridization. *Appl Environ Microbiol.* 62(9):3259–3264.
- 1996 McLauchlin J, Audurier A, Frommelt A, Gerner-Smidt P, Jacquet CH, Loessner MJ, van der Mee-Marquet N, Rocourt J, Shah S, Wilhelms D. WHO study on subtyping *Listeria monocytogenes*: results of phage-typing. *Int J Food Microbiol.* 32(3):289–299.
- 1996 Schlech WF. Pathogenesis and immunology of *Listeria monocytogenes*. *Pathol Biol (Paris).* 44(9):775–782.
- 1996 Schonberg A, Bannerman E, Courtieu AL, Kiss R, McLauchlin J, Shah S, Wilhelms D. Serotyping of 80 strains from the WHO multicentre international typing study of *Listeria monocytogenes*. *Int J Food Microbiol.* 32(3):279–287.
- 1996 Swaminathan B, Hunter SB, Desmarchelier PM, Gerner-Smidt P, Graves LM, Harlander S, Hubner R, Jacquet C, Pedersen B, Reineccius K, Ridley A, Saunders NA, Webster JA. WHO-sponsored international collaborative study to evaluate methods for subtyping *Listeria monocytogenes*: restriction fragment length polymorphism (RFLP) analysis using ribotyping and southern hybridization with two probes derived from *L. monocytogenes* chromosome. *Int J Food Microbiol.* 32(3):263–278.
- 1996 Wernars K, Boerlin P, Audrier A, Russell EG, Curtis GDW, Herman L, van der Mee-Marquet N. The WHO multicenter study on *Listeria monocytogenes* subtyping: random amplification of polymorphic DNA (RAPD). *Int J Food Microbiol.* 32(3):325–341.
- 1995** Beuchat LR, Doyle MP. Survival and growth of *Listeria monocytogenes* in foods treated or supplemented with carrot juice. *Food Microbiol.* 12(11):73–80.
- 1995 Brosch R, Proctor ME, Mellen JW, Garrett LA, Kaspar CW, Luchansky JB. Use of pulsed-field gel electrophoresis to detect an outbreak of human listeriosis associated with recalled chocolate milk [abstract 1103]. Seventh European Congress of Clinical Microbiology and Infectious Diseases, Vienna, Austria, 1995, p. 214.
- 1995 Kim KY, Frank JF. Effect of nutrients on biofilm formation by *Listeria monocytogenes* on stainless steel. *J Food Prot.* 58(1):24–28.
- 1995 Luchansky JB. The use of genomic fingerprinting for molecular subtyping of foodborne pathogens [abstract 60–2]. Institute of Food Technologists Annual Meeting, Anaheim, CA, June 3–7, 1995, p. 174.

- 1995 Luchansky JB. Use of PFGE for the molecular typing of foodborne pathogens [abstract 28]. International Association of Milk, Food and Environmental Sanitarians Annual Meeting, Pittsburgh, PA, July 30–August 2, 1995, p. 38.
- 1995 Proctor ME, Brosch R, Mellen JW, Garrett LA, Kaspar CW, Luchansky JB. Use of pulsed-field gel electrophoresis to link sporadic cases of invasive listeriosis with recalled chocolate milk. *Appl Environ Microbiol.* 61(8):3177–3179.
- 1994** Bell BP, Goldoft M, Griffin PM, Davis MA, Gordon DC, Tarr PI, Bartleson CA, Lewis JH, Barrett TJ, Wells JG, Baron R, Kobayashi J. A multistate outbreak of *Escherichia coli* O157:H7-associated bloody diarrhea and hemolytic uremic syndrome from hamburgers. The Washington experience. *JAMA.* 272(17):1349–1353.
- 1994 Beuchat LR, Brackett RE, Doyle MP. Lethality of carrot juice to *Listeria monocytogenes* as affected by pH, sodium chloride and temperature. *J Food Prot.* 57(6):470–474.
- 1994 Brosch R, Chen J, Luchansky JB. Pulsed-field fingerprinting of listeriae: identification of genomic divisions for *Listeria monocytogenes* and their correlation with serovar. *Appl Environ Microbiol.* 60(7):2584–2592.
- 1994 Brosch R, Chen J, Luchansky JB. Molecular characterization of *Listeria monocytogenes* using contour clamped homogeneous electric fields (CHEF) electrophoresis and *L. monocytogenes*-specific DNA probes [abstract P47]. American Society for Microbiology General Meeting, Las Vegas, NV, May 23–27, 1994, p. 377.
- 1994 Brosch R, Luchansky JB. Use of CHEF electrophoresis for genomic fingerprinting and predicting the serovar of *Listeria monocytogenes* isolates from the WHO Multicenter Typing Study [abstract B5–1/89]. International Union of Microbiological Societies Congresses, Prague, Czech Republic, July 2–3, 1994, p. 31.
- 1994 Hancock DD, Besser TE, Kinsel ML, Tarr PI, Rice, DH, Paros MG. The prevalence of *Escherichia coli* O157:H7 in dairy and beef cattle in Washington State. *Epidemiol Infect.* 113(2):199–207.
- 1994 Jeong DK, Frank JF. Growth of *Listeria monocytogenes* at 10°C in biofilms with microorganisms isolated from meat and dairy processing environments. *J Food Prot.* 57(7):576–586.
- 1994 Jeong DK, Frank JF. Growth of *Listeria monocytogenes* at 21°C in biofilms with microorganisms isolated from meat and dairy processing environments. *Lebensmittel-Wissenschaft Technologie.* 27(5):415–424.
- 1994 Kihm DJ, Leyer GJ, An GH, Johnson EA. Sensitization of heat-treated *Listeria monocytogenes* to added lysozyme in milk. *Appl Environ Microbiol.* 60(10):3854–3861.
- 1994 Kim KY, Frank JF. Effect of growth nutrients on attachment of *Listeria monocytogenes* to stainless steel. *J Food Prot.* 57(8):720–724.
- 1994 Schlech WF 3rd, Luo Q, Faulkner G, Galsworthy S. Interaction of *Listeria* species with human cell monolayers. *Clin Invest Med.* 17(1):9–17.
- 1993** Brosch R, Luchansky JB. Advanced genotypic typing of *Listeria monocytogenes* using clamped homogeneous electric fields (CHEF) electrophoresis [abstract 146]. International Association of Milk, Food and Environmental Sanitarians Annual Meeting, Atlanta, GA, August 1–4, 1993, p. 53.
- 1993 Chen J, Brosch R, Luchansky JB. Isolation and characterization of *Listeria monocytogenes*-specific nucleotide sequences. *Appl Environ Microbiol.* 59(12):4367–4370.
- 1993 Chen J, Luchansky JB. Sequestering DNA sequences unique to *Listeria monocytogenes* [abstract P79]. American Society for Microbiology Annual Meeting, Atlanta, GA, 1993, p. 345.

- 1993 He W, Luchansky JB. Construction of a Plasmid (pLUCH88) with SmaI and NotI Sites within transposon Tn917, and use of this vector to derive a physical map of *Listeria monocytogenes* Scott A [abstract P78]. American Society for Microbiology Annual Meeting, Atlanta, GA, 1993, p. 345.
- 1993 Paros M, Tarr PI, Kim H, Besser TE, Hancock DD. A comparison of human and bovine *Escherichia coli* O157:H7 isolates by toxin genotype, plasmid profile, and bacteriophage lambda-restriction fragment length polymorphism profile. *J Infect Dis.* 168(5):1300–1303.
- 1993 Ren TJ, Frank JF. Susceptibility of starved planktonic and biofilm *Listeria monocytogenes* quaternary ammonium sanitizer as determined by direct viable and agar plate counts. *J Food Prot.* 56(7):573–576.
- 1993 Schlech WF 3rd. An animal model of foodborne *Listeria monocytogenes* virulence: effect of alterations in local and systemic immunity on invasive infection. *Clin Invest Med.* 16(3):219–225.
- 1993 Schlech WF 3rd, Chase DP, Badley A. A model of foodborne *Listeria monocytogenes* infection in the Sprague-Dawley rat using gastric inoculation: development and effect of gastric acidity on infective dose. *Int J Food Microbiol.* 18(1):15–24.
- 1993 Wang L, Yang B, Parkin KL, Johnson EA. Inhibition of *Listeria monocytogenes* by monoacylglycerols synthesized from coconut oil and milkfat by lipase-catalyzed glycerolysis. *J Ag Food Chem.* 41(6):1000–1005.
- 1992** Lammerding AM, Glass KA, Gendson-Fitzpatrick A, Doyle MP. Determination of virulence of different strains of *Listeria monocytogenes* and *Listeria innocua* by oral inoculation of pregnant mice. *Appl Environ Microbiol.* 58(12):3991–4000.
- 1992 Okwumabua O, Swaminathan B, Edmonds P, Wenger J, Hogan J, Alden M. Evaluation of a chemiluminescent DNA probe assay for the rapid confirmation of *Listeria monocytogenes*. *Res Microbiol.* 143(2):183–189.
- 1991** Beuchat LR, Brackett RE. Behavior of *Listeria monocytogenes* inoculated into raw tomatoes and processed tomato products. *Appl Environ Microbiol.* 57(5):1367–1371.
- 1991 Gavalchin J, Tortorello ML, Malek R, Landers M, Batt CA. Isolation of monoclonal antibodies that react preferentially with *Listeria monocytogenes*. *Food Microbiol.* 8(4):325–330.
- 1991 Kathariou S, Pine L. The type strain(s) of *Listeria monocytogenes*: a source of continuing difficulties. *Int J Syst Bacteriol.* 41(2):328–330.
- 1991 Kim C, Swaminathan B, Cassaday PK, Mayer LW, Holloway BP. Rapid confirmation of *Listeria monocytogenes* isolated from foods by a colony blot assay using digoxigenin-labeled synthetic oligonucleotide probe. *Appl Environ Microbiol.* 57(6):1609–1614.
- 1991 Kim CM, Graves LM, Swaminathan B, Mayer LW, Weaver RE. Evaluation of hybridization characteristics of a cloned pRF106 probe for *Listeria monocytogenes* detection and development of a nonisotopic colony hybridization assay. *Appl Environ Microbiol.* 57(1):289–294.
- 1991 Pine L, Kathariou S, Quinn F, George V, Wenger JD, Weaver RE. Cytopathogenic effects in enterocytelike Caco-2 cells differentiate virulent from avirulent *Listeria* strains. *J Clin Microbiol.* 29(5):990–996.
- 1991 Premaratne, RJ, Lin WJ, Johnson EA. Development of an improved chemically defined minimal medium for *Listeria monocytogenes*. *Appl Environ Microbiol.* 57(10):3046–3048.
- 1991 Schlech WF 3rd. Listeriosis: epidemiology, virulence and the significance of contaminated foodstuffs. *J Hosp Infect.* 19(4):211–224.

- 1990 Bessesen MT, Luo QA, Rotbart HA, Blaser MJ, Ellison RT 3rd. Detection of *Listeria monocytogenes* by using the polymerase chain reaction. *Appl Environ Microbiol.* 56(9):2930–2932.
- 1990 Beuchat L, Berrang M, Brackett R. Presence and public health implications of *Listeria monocytogenes* on vegetables. In: Miller AJ, Smith JL, Somkuti GA, eds. *Foodborne Listeriosis*. Fairfax, VA: Society for Industrial Microbiology. pp. 175–181.
- 1990 Beuchat LR, Brackett RE. Inhibitory effects of raw carrots on *Listeria monocytogenes*. *Appl Environ Microbiol.* 56(6):1734–1742.
- 1990 Beuchat LR, Brackett RE. Survival and growth of *Listeria monocytogenes* on lettuce as influenced by shredding, chlorine treatment, modified atmosphere packaging and temperature. *J Food Sci.* 55(3):755–758, 870.
- 1990 Beuchat L, Brackett R. Inhibitory effects of carrots on *Listeria monocytogenes* [abstract]. Institute of Food Technologists Annual Meeting, Anaheim, CA, June 16–20, 1990.
- 1990 Gutekunst KA, Pine L, Kathariou S, Pohl J, Holloway B, Carlone GM. Genetic characterization and the potential role in virulence of a 60-kilodalton extracellular protein of *Listeria monocytogenes* [abstract B-171]. American Society for Microbiology Annual Meeting, Anaheim, CA, May 13–17, 1990, p. 55.
- 1990 Kathariou S, Pine L, George V, Carlone GM, Holloway BP. Nonhemolytic *Listeria monocytogenes* mutants that are also noninvasive for mammalian cells in culture: evidence for coordinate regulation of virulence. *Infect Immun.* 58(12):3988–3995.
- 1990 Kathariou S, Pine L, Quinn F, Birkness K, George V. Cell culture model system for the differentiation of virulent from avirulent strains of *Listeria monocytogenes* [abstract B-166]. American Society for Microbiology Annual Meeting, Anaheim, CA, May 13–17, 1990, p. 54.
- 1990 Lammerding AM, Glass KA, Gendron-Fitzpatrick A, Doyle MP. Virulence of *Listeria monocytogenes* in a pregnant animal model [abstract]. *J Food Prot.* 53(10):902.
- 1990 Slifkin M, Doyle R. Lectins and their application to clinical microbiology. *Clin Microbiol Rev.* 3(3):197–218.
- 1989 Bessesen M, Ellison R 3rd, Luo Q, Rotbart H, Blaser M. Detection of *Listeria monocytogenes* by DNA amplification [abstract]. American Society for Microbiology Annual Meeting, New Orleans, LA, May 14–18, 1989.
- 1989 Beuchat L, Brackett R. Growth of *Listeria monocytogenes* on lettuce as influenced by chlorine treatment, modified atmosphere, temperature and shredding [abstract]. American Society for Microbiology Annual Meeting, New Orleans, LA, May 14–18, 1989.
- 1989 Lammerding AM, Doyle MP. Evaluation of enrichment procedures for recovering *Listeria monocytogenes* from dairy products. *Int J Food Microbiol.* 9(3):249–268.

Proceedings

- 2004 Proceedings of the 2002 IAFP Symposium Series on Food Microbiology [abstracts and extended abstracts]. *Food Prot Trends.* 24(10):746–768.
- 2003 Proceedings of the 2001 Workshop on Biological and Chemical Agents of Terrorism in Food [presentation reports]. Available through ILSI, Washington, DC.
- 2002 Proceedings of the 2001 IAFP Symposium Series on Food Microbiology [abstracts and extended abstracts]. Available through ILSI, Washington, DC.

2002 Proceedings of the 2000 IAFP Symposium Series on Food Microbiology [abstracts and extended abstracts]. Available through ILSI, Washington, DC.

2000 Proceedings of the 1999 IAMFES Symposium Series on Food Microbiology [abstracts and extended abstracts]. Available through ILSI, Washington, DC. *Note: In 2000, the International Association of Milk, Food, and Environmental Sanitarians, IAMFES, changed its name to the International Association for Food Protection, IAFP.*

1999 Proceedings of the 1998 IAMFES Symposium Series on Trends and Perspectives in Microbial Food Safety [abstracts and extended abstracts]. Available through ILSI, Washington, DC.

1998 Proceedings of the 1997 IAMFES Symposium Series on Science-based Approaches for Protecting Our Global Food Supply. *J Food Prot.* 61(11):1531–1582.

1997 Proceedings of the March 1997 Conference on Emerging Foodborne Pathogens: Implications and Control. *Emerg Infect Dis.* 3(4):413–584.

1997 Proceedings of the 1996 IAMFES Symposium and General Session Program on Microbial Risks and Challenges to Food Safety Around the World. *J Food Prot.* 60(11):1394–1471.

1996 Proceedings of the 1995 IAMFES Symposium Series on Issues and Answers in Food Microbiology and Safety: Today, Tomorrow and Beyond. *J Food Prot.* 59(10):1091–1137.

1995 Proceedings of the 1994 IAMFES Symposium Series on Trends in Food Microbiology. *J Food Prot.* 58(1):1–88.

1994 Papers from the 1993 IAMFES Symposium on Foodborne Microbial Pathogens; published serially in the February through August 1994 issues of *Dairy, Food and Environmental Sanitation*.

Other Publications

Note: The following publications are related to ILSI-Funded research but did not directly result from the Food Microbiology Committee's research support program.

2009 Ye J, Kostrzynska M, Dunfield K, Warriner K. Evaluation of a biocontrol preparation consisting of *Enterobacter asburiae* JX1 and a lytic bacteriophage cocktail to suppress the growth of *Salmonella javiana* associated with tomatoes. *J Food Prot.* 72(11):2284–2292.

2005 Fugett E, Neill M, Knightengale K, Wiedmann M, Nnoka C. IAFP Workshop Summaries - Epidemiology and foodborne illness: how disease is detected and how investigations proceed. *Food Prot Trends.* 25(11):854–855.

2005 ILSI Research Foundation; Risk Science Institute, Expert Panel on *Listeria monocytogenes* in Food. Achieving continuous improvement in reductions in foodborne listeriosis – a risk-based approach. *J Food Prot.* 68(9):1932–1994.

1998 Harmon BG, Brown CA, Zhao T, Tkalcic S, Mueller E, Parkes A, Jacobsen K, Doyle MP. Fecal shedding and rumen proliferation of *Escherichia coli* O157:H7 in calves: an experimental model. International Workshop on Farm Animals as a Reservoir for *Escherichia coli* O157:H7. Rowett Research Institute, Aberdeen, Scotland, April 6–7, 1998.

Updated August 2010