PEER-REVIEWED PUBLICATIONS


OTHER MANUSCRIPTS

Solicited Articles, Chapters, Reports and Reviews

2012. Peer review/beta testing for FDA CFSAN iRISK tool

2012. Peer review of FDA CFSAN report on draft qualitative risk assessment: risk of activity/food combinations for activities (outside the farm definition) conducted in a facility co-located on a farm

2012. Peer review of USDA FSIS risk assessment for guiding public health-based poultry slaughter inspection

2012. Peer review of EPA National Homeland Security Research Center (NHSRC) draft inhalation exposure assessment following an adults re-entry into a building after the dissemination of Bacillus atrophaeus spores and after the application of three decontamination technologies (BOTE Project)

2012. Contributor to TERA review for Environmental Science and Research, New Zealand on in-depth analysis of five prioritized topics regarding future-focused (predictive) risk assessment approaches linking human health to environmental and geospatial factors
2011. Peer review of EPA NHSRC draft exposure assessment plan for adults re-entry into a building after the dissemination of *Bacillus atrophaeus* spores and after the application of three decontamination technologies (BOTE Project)


2010. Peer review of EPA database, support for environmental rapid risk assessment (SERRA)

2010. Prepared review of National Academies Committee report on evaluation of the health and safety risks of the new USAMRIID high containment facilities


2009. Served on Amber Spy Glass red team for table-top exercise sponsored by an intelligence community sponsor, Boston, MA


2008 - 2009. Served on National Academies committee on technical input on any additional studies to assess risk associated with operation of the National Emerging Infectious Diseases Laboratory, Boston University


2007. Served on National Academies Committee drafting report on technical input on the NIHs draft supplementary risk assessments and site suitability analyses for the National Emerging Infectious Diseases Laboratory, Boston University

2007. Served on program committee as reviewer for the 1st international conference on risk analysis and crisis response, September, 2007, Shanghai, China


2005. Prepared review as thesis examiner for MS candidate at University of Tasmania, *Listeria monocytogenes* and Australian smallgoods: detection and control

2005. Prepared review of National Academies Committee report on reopening public facilities after a biological attack


Margaret E. (Peg) Coleman


- 2000. Coleman, M.E. Top ten traits of good risk assessment, ORACBA Newsletter

**Notable Reports**

- 2012. Modeling rabbit responses to single and multiple aerosol exposures of *Bacillus anthracis* spores. Report prepared for US EPA/NHSRC
Margaret E. (Peg) Coleman

- 1995. Coleman, M.E. Modeling microbial competition in the gastrointestinal tract. Thesis submitted to University of Georgia, College of Veterinary Medicine as partial fulfillment of the requirements of a MS degree in medical microbiology

PRESENTATIONS

International Meetings
- 2003. 4th International Predictive Modeling Conference, Quimper, France, Accounting for inherent variability of growth in microbial risk assessment
- 2002. First International Conference on Microbial Risk Assessment, College Park, Maryland, Intricacies of growth of *Salmonella Enteritidis* in shell eggs

National/Regional/Client Meetings
- 2015. SRA, Arlington, VA, organized and co-chaired round table panel symposium on the influence of the microbiota on microbial dose-response relationships
- 2015. WAPF Wise Traditions, Anaheim, CA, invited lecture on risk beyond numbers of foodborne illnesses: understanding data, gaps, and assumptions
- 2014. Society for Risk Analysis (SRA), Denver, CO, presentation on exploring disagreements regarding health risks of raw and pasteurized human & bovine milk
- 2014. U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID), Frederick, MD, workshop facilitator for determining biological military exposure guidelines for tularemia
- 2013. SRA, Baltimore, MD, presentation on modeling rabbit responses to acute and multiple aerosol exposures of *Bacillus anthracis* spores
- 2012. USAMRIID, Frederick, MD, workshop facilitator for data qualification for tularemia
- 2012. SRA, Syracuse, NY, facilitator of SRAonCampus event on risk analysis and fracking
- 2011. SRA, Charleston, SC, organizer and convener of symposium on dose response for biothreats and workshop on advancing mechanisms of mucosal interactions to inform
microbial dose-response assessment


- 2010. SRA, Salt Lake City, UT, invited presentation in symposium series on engineered nanomaterials (ENMs) in foods entitled Problem formulation for microbes and ENMs in gastrointestinal ecosystems

- 2010. Support and evaluation of table-top exercises for DHS FEMA Anthrax Response Exercise Series

- 2009. SRA, Baltimore, MD, organizer and convener of symposium series on Advancing mechanistic knowledge on microbial risk in respiratory and gastrointestinal systems

- 2009. EPA/CDC workshop on state-of-the-science for dose-response relationships in microbial risk assessment, Atlanta, GA, presentation on accounting for uncertainty and variability with mechanistic knowledge in dose-response assessment

- 2008. Society for Toxicology, Baltimore, MD, presentation on PBBK/BD model of Francisella tularensis in rhesus monkeys

- 2008. SRA, Boston, Massachusetts, presentation on modeling inhaled microbes in primates to inform discussions on acceptable risk

- 2008. American Society for Microbiology (ASM), Boston, MA, presentation on Integration of Benchmark Dose and Physiologically-Based BioKinetic (PBBK) modeling to derive Human Hazard Predictors for biothreat agents


- 2007. SRA, San Antonio, Texas, presentation on Health Hazard Predictor (HHP) approach for microbial risk assessment

- 2007. ASM, Toronto, Canada, presentation on decision support tool for risk characterization of biothreat agents

- 2007. Toxicology and Risk Assessment Conference, West Chester, Ohio, presentation on Microbial Risk Assessment Center of Excellence (M-RACE) at SRC

- 2006. SRA, Baltimore, MD, presentation on sensitivity analysis for anthrax dispersion models

- 2006. Upstate NY SRA, Albany, NY, presentation on thresholds: why were not dead yet

- 2006. American Society for Microbiology, Orlando, FL, presentation on mechanistic modeling for cryptosporidiosis

- 2006. ASM Biodefense Meeting, Washington DC, presentation on innate resistance and risk of Bacillus anthracis septicemia

- 2005. SRA, Orlando, FL, presentation on Dose-Response approaches for host-pathogen interactions
Margaret E. (Peg) Coleman

- 2005. Conference on Chemical Biological Research, Timonium, MD, invited presentation on alarming sensors: exposure ≠ adverse effects
- 2005. Society of Toxicology, New Orleans, LA, poster presentation on development of a microbial risk assessment methods compendium and assessment of secondary data utility
- 2004. SRA, Palm Springs, CA, presentations on: next generation of PBPK models: physiology of inhalation exposures for anthrax spores; and teaching microbial risk assessment
- 2004. Chemical, Biological, and Radiological Technology Alliance (CBRTA) meeting, Plantation, FL, presentation on Development of a decision support system for bioterror agents
- 2004. EPA Microbial Risk Assessment Workshop, Cincinnati, OH, mechanistic view of bodies of evidence: what can be learned from non-linearities and inconsistencies?
- 2004. 2004 Syracuse Symposium, Syracuse, NY, poster presentation on development of a Microbial Risk Assessment Center of Excellence (M-RACE) at SRC
- 2004. Risk Assessment Consortium public meeting on data utility, College Park, MD, presentation on data utility: improvements by targeting study design and sampling plans
- 2003. SRA, Baltimore, MD, presentation on *Campylobacter* risk profile
- 2003. Toxicology and Risk Assessment Conference, Fairborne, OH, invited presentation on strain variability in microbial risk assessment
- 2002. SRA, New Orleans, LA, intricacies of modeling growth of *Salmonella* Enteritidis in shell eggs; dose-response demo: depicting uncertainty
- 2001. SRA, Seattle, WA, extrapolating predictive microbiology growth models to risk assessment for *E. coli* O157:H7
- 2001. Invited Presentation at ASM, Orlando, FL, does epidemiology inform risk assessment?
- 2000. SRA, Arlington, VA, mechanistic modeling for salmonellosis; invited paper on fostering advances in microbial dose-response modeling; *Campylobacter, Salmonella, Listeria*, and the spoilage flora: who wins the battle?; alternative approaches for surrogate dose-response models for *Escherichia coli* O157:H7
- 1999. SRA, Atlanta, GA, Surrogate dose-response assessment for *E. coli* O157:H7
- 1999. American Public Health Association, Chicago, IL, invited papers on lead in baby food and risk communication informed by risk assessment for *E. coli* O157:H7
- 1998. SRA, Phoenix, AZ, applications of stochastic process to microbial risk assessment, human salmonellosis model informed by animal data, and public health segment for farm-to-table risk assessment of *E. coli* O157:H7 in ground beef
- 1997. SRA, Washington, DC. data-based dose-response modeling for *Salmonella* and transforming nitrite regulation in bacon into a HACCP system
- 1997. IAMFES, Orlando, FL. Invited lectures on risk assessment/risk management: clarifying
the relationships; topics in dose-response modeling; and estimating distributions of numbers of organisms in food products

- 1996. SRA, New Orleans, LA, topics in microbial risk assessment

Other Presentations and Lectures

- 2009. Interagency Risk Assessment Consortium conference, Baltimore, MD, invited presentation on mechanisms from mice to men
- 2009. American Association for Advancement of Science, Washington, DC, invited presentation on risk assessment for biothreats
- 2009. Wheler Conference at Cazenovia College, Cazenovia, NY, presentation on disaster preparedness for biothreat attacks
- 2008. SUNY Environmental Science and Forestry guest lecture, hazard characterization for microbial risk assessment
- 2008. SUNY Environmental Science and Forestry guest lecture, food safety risk assessment
- 2007. Syracuse University Sonia Kovalevsky Festival lecture, perspective on microbial risks
- 2000. Risk Assessment Consortium, technical session chair and panel moderator predicting human dose-response relationships from multiple biological models: issues with *Cryptosporidium parvum*
- 2000. USDA Graduate School lecture, top ten traits of good risk assessment
- 2000. Illinois Council on Food and Agricultural Research, critique of strategic research initiatives for food safety
- 1998. Food Safety Inspection Service public meeting on risk assessment for *E. coli* O157:H7 in Beef, Public Health Segment for risk assessment of *E. coli* O157:H7 in ground beef
- 1998. Food Safety Initiative Technical Workshop, Riverdale, MD, relating numbers of foodborne pathogens to human illness, limitations of current dose-response models: information needs for risk assessors
- 1998. USDA public meeting on premature browning of hamburger, Washington, DC, visual cues and risk
Margaret E. (Peg) Coleman

- 1997. USDA public meeting on Premature Browning of Hamburger, Washington, DC, microbial risk assessment in the Food Safety and Inspection Service
- 1997. Field Epidemiology Officers Training, Atlanta, GA. outbreak of E. coli O157:H7 in Japan; and microbial risk assessment: how epidemiology fits in
- 1997. ORACBA Risk Analysis course, Washington, DC, risk assessment in FSIS
- 1997. USDA Food Safety Research Workshop, Washington, DC, fault tree analysis: development and documentation of E. coli O157:H7 ground beef model
- 1995. Eastern Food Science Conference, Princeton, NJ, risk assessment and food safety
- 1995. Thesis Defense Seminar, University of Georgia, Dept. Medical Microbiology, Athens, GA, modeling microbial competition in the gastrointestinal tract
- 1993. USDA/APHIS lecture, Fort Collins, CO, modeling strategies and tools

Workshops

- 2011. SRA, Charleston, SC, organizer of workshop and symposium on mechanistic knowledge of respiratory and gastrointestinal systems informing microbial dose-response assessment for inhaled and ingested pathogens
- 2011. EPA workshop, Cincinnati, OH, invited expert for review and design of low-dose B. anthracis inhalation exposures
- 2010. CDC/EPA workshop, Atlanta, GA, invited expert for microbial dose response assessment workshop
- 2002. SRA, New Orleans, LA, organizer of workshop on mechanistic dose-response modeling for microbial risk assessment
- 2001. SRA, Seattle, WA, organizer of workshop on decision support tools for microbial risk assessment
- 1998. SRA, Phoenix, AZ, organizer of workshop on microbial risk assessment data and methodology
- 1996-2000. US Delegation for Codex Alimentarius Commission Committee on Food Hygiene, invited expert in workshops advising on microbial risk assessment and key contributor to expedited development of principles and guidelines for microbiological risk assessment