PEER-REVIEWED PUBLICATIONS


OTHER SCIENTIFIC WRITING

*Solicited Articles, Chapters, Reviews, and Testimony*

Margaret E. (Peg) Coleman

- 2019. Expert testimony for court case challenging Irish regulatory process regarding microbial risk assessment for cheese produced from raw milk
- 2018. Expert testimony for court case challenging Canadian prohibition of access to raw milk
- 2016. Expert testimony for petition to FDA regarding butter produced from raw milk
- 2015. Expert testimony in response to FDA notice requesting scientific data and information regarding cheese produced from raw milk
- 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
Margaret E. (Peg) Coleman

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

**Notable Reports**

Margaret E. (Peg) Coleman

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

- 2019. 16th International Milk Genomics Conference, Copenhagen, Denmark, contributed to poster Producing Hygienic Raw Milk: Standards, Testing, and Farmer Education
- 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
- 1996. U.S./Japan Conference on Cholera and Diarrheal Diseases, Nagasaki, Japan. Invited
lecture on microbial risk assessment

National/Regional/Client Meetings

- 2019 SRA, Arlington, VA, presentation on Evidence and Analysis Debunk Speculations about Raw Milk Risks
- 2018. SRA, New Orleans, LA, organizer/presenter for round table panel symposium on: Communicating Evidence for Benefits and Risks of Raw Milks
- 2017. SRA webinar series on Advancing the Science: Microbiota Informing Next Generation (NextGen) Benefit and Risk Assessment, lecture with introduction by SRA Past-President Warner North on: Preparing to Deliberate Evidence on Benefits and Risks Posed by the Microbiota of Milks
- 2015. SRA, Arlington, VA, organized and co-chaired round table panel symposium on: 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. 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


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. 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 We’re 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


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
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- 2004. Chemical, Biological, and Radiological Technology Alliance (CBRTA) meeting, Plantation, FL, presentation on: Development of a Decision Support System for Bioremediation
- 2004. EPA Microbial Risk Assessment Workshop, Cincinnati, OH, on: Mechanistic View of Bodies of Evidence: What can be Learned from Non-Linearity 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
- 1999. SRA, Atlanta, GA, presentation on: 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
- 1999. International Association of Milk, Food and Environmental Sanitarians (IAMFES), Dearborn, Michigan, invited lecture on: Dose-Response Assessment for *E. coli* O157:H7
- 1998. SRA, Phoenix, AZ, presentations on: 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. presentations on: 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, presentation on: Topics in Microbial Risk Assessment
Other Presentations and Lectures

- 2018/2019. SUNY College of Environmental Science and Forestry lecture, Microbiome and Immunology: Interactions for Risk Assessors from 21st Century Science
- 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. Johns Hopkins School of Public Health lecture, Microbial Dose-Response Assessment
- 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. USDA public meeting on premature browning of hamburger, Washington, DC, Visual Cues and Risk
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- 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. ORACBBA 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

**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
- 2011. FDA workshop, Washington, DC, invited expert for Dose-Response Assessment for *Listeria monocytogenes*
- 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