**Christine Lorraine Moe**

**EDUCATION**

University of North Carolina, Chapel Hill, NC, 1989

Doctor of Philosophy, Department of Environmental Sciences and Engineering

Dissertation Title: "An Evaluation of Four Bacterial Indicators of Risk of Diarrheal Disease from Tropical Drinking Waters in the Philippines"

University of North Carolina, Chapel Hill, NC, 1984

Master of Science, Department of Environmental Sciences and Engineering

Thesis Title: "Viral and Bacterial Contamination of Groundwater by On-site Wastewater Treatment Systems in Sandy Coastal Soils"

Swarthmore College, Swarthmore, PA., 1979

Bachelor of Arts in Biology

**PRESENT POSITION**

**Eugene J. Gangarosa Professor of Safe Water and Sanitation** (since 7/07)

**Director, Center for Global Safe Water, Sanitation, and Hygiene at Emory University** (since 7/07)

**Director, Global Health and Development PhD Program, Laney Graduate School** (since 1/21)

Hubert Department of Global Health, Department of Epidemiology, and Gangarosa Department of Environmental Health

Rollins School of Public Health at Emory University

**PREVIOUS POSITIONS**

**Adjunct Professor** (5/08 – 12/12)

Xi’an Jiaotong University College of Medicine

Xi’an, China

**Associate Professor of Infectious Disease Epidemiology** (11/00 – 6/07)

Hubert Department of Global Health, Department of Epidemiology, and Department of Environmental and Occupational Health

Rollins School of Public Health at Emory University

**Environmental Epidemiologist** (IPA 1/07 – 12/08)

Office of Global Health, National Center for Environmental Health

Centers for Disease Control and Prevention, Atlanta, GA

**Environmental Epidemiologist** (IPA 6/98 – 11/06)

Health Studies Branch, National Center for Environmental Health

Centers for Disease Control and Prevention, Atlanta, GA

**Adjunct Associate Professor** (7/01 – 6/06)

Program in Infectious Diseases, Department of Epidemiology,

University of North Carolina at Chapel Hill, Chapel Hill, NC

**Assistant Professor** (1/96 - 10/00)

Program in Infectious Diseases, Department of Epidemiology,

University of North Carolina at Chapel Hill, Chapel Hill, NC

**Adjunct Assistant Professor** (1/91 - 10/00)

Division of Environmental and Occupational Health,

Emory University School of Public Health, Atlanta, GA

**Research Assistant Professor** (2/93 - 12/95)

Program in Infectious Diseases, Department of Epidemiology,

University of North Carolina at Chapel Hill, Chapel Hill, NC

**Postdoctoral Fellow** (6/89 - 1/93)

Viral Gastroenteritis Section, Division of Viral and Rickettsial Diseases,

Centers for Disease Control, Atlanta, GA

**AWARDS AND HONORS**

Woodruff Leadership Academy of Emory University, 2017

Nominated for The University of Oklahoma International Water Prize, 2014

We Are Emory, Community Builders, 2009-2010

**(**[**http://www.weare.emory.edu/commbuild/2009\_10combuilders.html**](http://www.weare.emory.edu/commbuild/2009_10combuilders.html)**)**

Emory Great Scholar, 2009 (http://www.emory.edu/PROVOST/greatscholars\_old/ChristineMoe.htm)

Food Safety Leadership Award in Research Advancement, NSF International, World Food Summit, April 9th, 2008

Infrastructure Award, The Development Marketplace Global Competition 2006, World Bank. For project on “Pro-poor Sanitation Demand Creation in Bolivia”. Chosen as favorite project by World Bank staff from 118 Finalists and >2500 applications worldwide.

Development Marketplace Award 2006 for project on “Pro-poor Sanitation Demand Creation in Bolivia”. One of 30 awards chosen from 118 Finalists and >2500 applications worldwide.

Distinguished Service, USEPA Science Advisory Board’s Drinking Water Committee. From Christine Todd Whitman, USEPA Administrator. September 2002

**PROFESSIONAL MEMBERSHIPS**

* American Society for Microbiology
* American Society for Virology
* International Water Association
* American Society of Tropical Medicine and Hygiene
* International Association of Food Protection
* Sigma Xi
* Delta Omega (The Honorary Public Health Society)

**CONSULTING ASSIGNMENTS**

**Consultant** (2021-2022) The Rockefeller Foundation. Advise on environmental surveillance for infectious diseases.

**Consultant** (2013-2017) TakedaPharmaceuticals International GmbH. Advise on the planning and conduct of epidemiological studies of norovirus infections in special populations

**Consultant** (2011) Eastern Research Group, Inc. External Peer Reviewer of interagency (USEPA and USDA) Draft Microbial Risk Assessment Guideline: Pathogenic Microorganisms with a Focus on Food and Water

**Consultant** (2007 – 2008) The Bill and Melinda Gates Foundation. Advise on sanitation research needs. Wrote report titled: “Sustainable Sanitation for Developing Countries: Current Research, Research Needs and Priorities” (2008)

**Consultant** (2006-2008) PathCon Laboratories. Advise on investigation and control of norovirus outbreaks.

**Consultant** (9/2006)WHO / USEPA/CDC. Develop health outcome monitoring strategies for Hyderabad, India to examine impact of water safety plan.

**Instructor** (6/2003), WHO Public Health Initiatives- Waterborne Disease Surveillance Training Course. Sponsored by WHO European Centre for Environment and Health and WHO Collaborating Centre for Health Promoting Water Management and Risk Communication, Institute for Hygiene and Public Health, University of Bonn, Bonn, Germany.

**Blue Ribbon Panelist** (4/01) on potable water reuse issues for Montgomery Watson and Gwinnett County, GA

**Consultant** (10/00 to 1/02) on potable water reuse issues for CH2M Hill, Atlanta, GA

**Consultant** (11/98 - 12/99, 10/01- 3/02) on public health risks associated with land treatment of wastewater and water reuse

Georgia Department of Law, Atlanta, GA

**Consultant** (12/95 - 9/96) on contaminated water supplies along US-Mexico border

U.S. Dept. of Justice, Environmental Enforcement Section, Washington, DC

**Consultant** (6/93 - 7/93) on detection of Norwalk virus in clinical specimens

Dept. of Medical Virology, University of Pretoria, Pretoria, South Africa

**Consultant** (5/91 - 6/91) on detection of Astrovirus in clinical specimens

International Centre for Diarrhoeal Disease Research, Bangladesh, Dhaka, Bangladesh

**Consultant** (4/91) on recreational water quality and public health risks

United Nations Environment Programme, Caribbean Environment Programme,

Kingston, Jamaica

**OTHER ACTIVITIES**

Swarthmore College Alumni Council (1995-1998), Honors Examiner (2000)

Joint Task Group, Standard Methods for the Examination of Water and Wastewater (1989-2001)

Committee on the “Evaluation of Augmenting Potable Water Supplies with Reclaimed Water”, Water Science and Technology Board, National Research Council (1996-1998)

Committee to Review the New York City Watershed Management Strategy, Water Science and Technology Board, National Research Council (1997-2000)

Workshop Organizer,“Workshop on Microbial Risk Assessment for the New York City Watershed”. Sponsored by NRC Committee to Evaluate the Viability of Augmenting Potable Water Supplies with Reclaimed Water, Atlanta, GA (1998)

Water and Sanitation Advisory Committee, Thrasher Research Fund (1998-1999)

USEPA Science Advisory Board, Drinking Water Committee (1997-2002)

American Water Works Association Research Foundation, Research Advisory Council (1999-2004)

Member, Water Science and Technology Board, National Research Council (2001-2006)

Invited Participant, American Academy of Microbiology Colloquium Participant, “Resolving the Global Burden of Gastrointestinal Illness: A Call to Action” Galway, Ireland (2002)

Institute of Medicine Workshop Moderator, “From Source Water to Drinking Water: On-going and Emerging Challenges for Public Health” (2003)

Workshop Organizer, “Potable Water Reuse and Health Workshop” Sponsored by Health Studies Branch, National Center for Environmental Health, CDC, Atlanta (2003)

United States General Accounting Office Expert Panel on Drinking Water. Report to the Committee on Environment and Public Works, U.S. Senate (2003)

Joint Medical Technology Workshop Panel on Diarrhea and Other Bacterial Diseases to assess research and development in the Military Infectious Diseases Research Program of the Army and Navy (2003)

Center for Global Safe Water, Sanitation and Hygiene at Emory University(2003 - Present), Co- director (2004-2005)

Independent Advisory Panel, City of San Diego Water Reuse Study (2004-2006)

Health and Scientific Advisory Board, Institute for Public Health and Water Research (2004-2010)

External Examiner, University of Pretoria, South Africa (2005)

Committee to review “Public Water Supply Distribution Systems: Assessing and Reducing Risks” Water Science and Technology Board, National Research Council (2005-2006)

Invited Participant, Indo-US Collaboration on Environmental and Occupational Health, Goa, India (2005)

Invited Participant, Indo-US Joint Partnership on Water, Sanitation and Health, Kolkata, India (2006)

External Examiner, Doctoral Dissertation Defense, Swedish University of Agricultural Sciences, Uppsala, Sweden (2006)

Invited Participant, USEPA Candidate Contaminant List (CCL) for Drinking Water Microbial Expert

American Society for Microbiology Environmental Committee (2006 – present)

Invited Participant, American Academy of Microbiology Colloquium “Clean Water: What is acceptable microbial risk?” Tucson, AZ (2006)

WHO Working Group on Safe Drinking Water for Vulnerable Sub-populations (2006)

International Food Policy Research Institute and CGIAR, Science Council Experts Roundtable Meeting on Food Safety, Washington, DC (2007)

Invited Participant, American Water Works Association Workshop “Developing an Estimate of Waterborne Disease – A Path Forward” (2007)

External Examiner, Doctoral Dissertation, University of Pretoria, South Africa (2007)

External Examiner, Doctoral Dissertation Defense, Faculty of Health Sciences, University of Copenhagen, Copenhagen, Denmark (2008)

Invited Participant, Expert Workshop on *Wastewater Irrigation and Health: Assessing and Mitigating Risks in Low-income Countries,* Organized by the International Water Management Institute, Accra, Ghana (2008)

Invited Participant, World Bank WSP workshop on “Alternative Solutions for Sanitation: Critical factors for urban development in flooded zones of Iquitos, Peru” Iquitos, Peru (2008)

Invited Participant, Workshop on “Scaling-Up Distribution of Water Treatment Technologies in Developing Countries”, Center for International Development at Harvard University, Sustainability Science Program (2008)

USEPA Science Advisory Board (2008 – 2014)

Invited Panelist, Institute of Medicine session on“Water for a Healthy Planet”, IOM Annual Meeting, Washington, DC (2009)

Invited Participant, Institute of Medicine workshop on “Global Environmental Health: Research Gaps and Barriers for Providing Sustainable Water, Sanitation, and Hygiene” sponsored by the Institute of Medicine Roundtable on Environmental Health Sciences, Research, and Medicine, Washington, DC (2009)

Invited Participant, WateReuse Foundation Research Needs Workshop (2004, 2009)

Invited Participant, Conrad N. Hilton Foundation Water, Sanitation and Hygiene (WASH) Convening, Los Angeles, CA (2009)

Capitol Hill Briefing on Global Water, Sanitation an Health, Moe, CL “Water is Medicine: Safe Water, Sanitation and Global Public Health Challenges”, July 29, 2009 Washington DC

Capitol Hill Briefing, Moe, CL “The Role of US Universities in Water, Sanitation and Health in Developing Countries”, March 3, 2010, Washington, DC.

Margaret A. Cargill Foundation, Water and Health Program Advisory Group (2010)

Peer Review Panel for Climate Change Program in the National Center for Environmental Health of the Centers for Disease Control and Prevention (2010)

Invited Participant, Bill and Melinda Gates Foundation “Waste Resources for Reuse Workshop”, London, England (2010)

Invited Participant, Bill and Melinda Gates Foundation and the International Water Management Institute “Wastewater Reuse Meeting”, Accra, Ghana (2010)

Invited Participant, National Science Foundation workshop on “Integrating Economic and Financial Principles into Environmental Engineering Research and Education” Washington, DC (2011)

Invited Participant, Aspen Institute WASH Dialogue Forum, Washington, DC (2011)

Chair, National Research Council Committee on Grand Challenges in International Development (Providing guidance to USAID), The National Academies Policy and Global Affairs Division (2011-2013)

Member of NoroCORE Executive Board (2011-2018). Norovirus Collaborative for Outreach, Research, and Education, USDA-NIFA Food Virology Collaborative (http://norocore.ncsu.edu/)

Member of Oklahoma University International Water Prize Jury and Invited Participant in Water Symposium (2012)

Atlanta Water and Health Summit, Member of organizing committee (with CSIS, World Affairs Council, and CARE), panelist, video interview (2012)

Member of Scientific Program Committee, American Society for Tropical Medicine and Hygiene (2010 – 2022)

Invited Panelist, Global Water Challenge and the Paul H. Nitze School of Advanced International Studies at Johns Hopkins University “The Business of Sanitation Learning Event”, Washington, DC (2012)

Invited Panelist, “Water, Sanitation, and Hygiene: Transforming Lives” – An Atlanta World Water Day event in collaboration with CARE, Habitat for Humanity, the Task Force for Global Health, the CDC, Emory University and the International Trachoma Initiative, Atlanta, GA (2013)

Member of NIAID Special Emphasis Review Panels: “Partnerships for Biodefense Food- and Waterborne Diseases-Vaccine/immunotherapeutics” (2010); “Partnerships for Interventions to Treat Chronic, Persistent and Latent Infections” (2012)

Symposium Organizer and Speaker, The SaniPath Study – Rationale and Design, “The SaniPath Study: The Consequence of a Broken Sanitation Chain in Low-Income Urban Settings“, American Society of Tropical Medicine and Hygiene 67th Annual Meeting, Washington DC, November 13-17, 2013

Invited member, Water Assessment Committee for the International Vaccine Institute, Typhoid Fever Surveillance in sub-Saharan Africa Program (2014 - 2015)

Workshop Trainer: “Planning for improved urban environmental health through rapid participatory assessment of sanitation systems” Jonathan Parkinson, SPLASH, **Christine Moe** & Habib Yakubu, Centre for Global Safe Water, Emory University & contributions from World Health Organization. WASH 2014 Conference, Brisbane, Australia, March 26-27, 2014

External Advisor, Wellcome Trust (2014)

World Health Organization Task Team on Post-2015 monitoring of Safely Managed Excreta and Domestic Wastewater Treatment. (2014 – present)

Workshop Co-Organizer and Speaker, “WASH in Healthcare Facilities Research Workshop”, IRC Headquarters, The Hague, The Netherlands (2014)

Workshop Co-Organizer and Speaker, “SaniPath Rapid Assessment Tool Training Workshop: Assessing Exposure to Fecal Contaminants in Low-Resource Urban Settings”. University of North Carolina at Chapel Hill Conference on Water and Health: Where Science Meets Policy, October 13-17, 2014

Workshop Co-Organizer and Speaker, “Water, Sanitation and Hygiene in Healthcare Facilities in Low-Income Countries: A Neglected Crisis”. University of North Carolina at Chapel Hill Conference on Water and Health: Where Science Meets Policy, October 13-17, 2014

Invited Participant, Global Burden of Disease: Risk Factors Consultative Meeting, Seattle, WA, January 12-13, 2015

Workshop Co-Organizer and Speaker, “Diagnostic Tools and Guidelines for Faecal Sludge Management, with a focus on Faecal Waste Tracking and Public Health”, 3rd International Faecal Sludge Management Conference, Hanoi, Vietnam, January 19-23, 2015

Workshop Co-Organizer, “WASH in Slums”, 3rd International Faecal Sludge Management Conference, Hanoi, Vietnam, January 19-23, 2015

University Research Board Visiting Scholar, Faculty of Health Sciences, American University of Beirut, Beirut, Lebanon (February 2015)

Invited Participant and Speaker, “Water, Sanitation and Hygiene in Health Care Facilities - Urgent needs and action”, Geneva, Switzerland. March 17-18, 2015

Member, Scientific Council for the Global Burden of Diseases, Injuries, and Risk Factors Study, Institute for Health Metrics and Evaluation, University of Washington. (2015 – present)

Invited Participant, General Electric Foundation 2015 Developing Health Summit, GE Crotonville Campus, Ossining, NY, May 27-29, 2015

Invited Participant, Typhoid Strategy Advisory Meeting, Bill and Melinda Gates Foundation, Seattle, WA, July 28-29, 2015

Symposium Organizer and Speaker, Overview of Water, Sanitation and Hygiene in Healthcare Facilities and Field Observations, “Water, Sanitation and Hygiene in Healthcare Facilities: A Neglected Crisis“, American Society of Tropical Medicine and Hygiene 64th Annual Meeting, Philadelphia, PA. October 25-29, 2015.

Invited Member, Evidence and Operational Research Task Team of the WHO – UNICEF global action plan to ensure all health care facilities have basic access to water, sanitation and hygiene by 2030. (2015-2019)

Invited Panelist, Non-household and community WASH: Addressing public health beyond the household focus of the Sustainable Development Goals. 2016 University of Colorado WASH Symposium, Boulder, CO., March 1-2, 2016

Invited Panelist, Urban WASH: Challenges to water and sanitation service delivery in urban contexts. 2016 University of Colorado WASH Symposium, Boulder, CO., March 1-2, 2016

Invited Member, Coalition Against Typhoid Steering Committee, 2016 – present

Invited Member, Committee on Review of Science, Technology, Innovation, and Partnership for Development and Implications for the Future of USAID. The National Academies Policy and Global Affairs Division, 2016 - 2017

Invited Member, External Advisory Board for the Mortenson Center in Engineering for Developing Communities at the University of Colorado Boulder, 2016 - 2018

Workshop Co-Organizer and Host, “Achieving Universal Access to Urban Sanitation Services”, Emory University, Atlanta, GA, June 6-8, 2016

Scientific Program Committee, 6th International Calicivirus Conference, 2016

Invited Participant, Structured Expert Judgment for Source Attribution of Food- and Waterborne Pathogens Study, Centers for Disease Control and Prevention, Atlanta, Georgia, May 23-24, 2017

Co-organized and hosted side event on “Translating Sanitation Tool Results to Policy” at the 40th annual WEDC International Conference, Loughborough University, Loughborough, England, July 24, 2017

Co-organized and hosted side event on “Moving WASH in HCF from Assessment to Action: What are the Solutions?” 2017 Water and Health Conference: Where Science Meets Policy, Chapel Hill, NC, October 19, 2017

Guest Lecturer, IHE Delft Institute for Water Education, May 2018 & May 2019, Delft, Netherlands

Invited Participant and Session Moderator, 10th World Water Summit – Annual meeting of the Water and Sanitation Rotarian Action Group, Toronto, Canada, June 22, 2018

Invited Member, TOPS PRO-WASH Steering Committee, 2018 - 2023

Scientific Program Committee, 7th International Calicivirus Conference, 2018-2019

Chair, WASH-E Subcommittee, Scientific Program Committee, American Society for Tropical Medicine and Hygiene, 2019 – 2022

Invited Member, Typhoid Environmental Surveillance Expert Advisory Committee, Bill & Melinda Gates Foundation, 2019 - 2022

Invited Participant, Expert Group to Review Current Methods and Explore New Approaches to Assessing Exposure to Fecal Contamination. September 25-26, 2019, Atlanta, GA

Invited Participant and Learning Lab Leader, Global Meeting on WASH in HCFs: From Resolution to Revolution. September 9-11, 2019. Livingston, Zambia.

Invited Participant, Country Lab Co-Lead, and Session Moderator, MEDS Convening, Bill & Melinda Gates Foundation, October 27-November 1, 2019, Siem Reap, Cambodia

Invited Participant, WHO/UNICEF Joint Monitoring Program Expert Group on Safely Managed Onsite Sanitation. March 24-26, 2020

Review Coordinator, National Academies of Sciences report *Review of the New York City Watershed Protection Program*, 2020

Invited guest member, Board of Scientific Counselors, NIAID Division of Intramural Research, Review of the Laboratory of Infectious Diseases (December 14-16, 2020)

Invited Participant, WHO Stakeholder Consultation on Enteric Fever Disease Burden, 2021

Invited Participant, Environmental Surveillance Working Group, PATH, 2021 – 2022

Invited Participant, Wastewater Action Group, Rockefeller Foundation, 2022

Invited Reviewer, *WHO Interim Guidance on Environmental* *Surveillance of SARS-CoV-2 to Complement Public Health Surveillance,* 2022 and 2023

Invited Contributor, *Authorship and recognition in knowledge production in water, sanitation and hygiene (WASH) – A guidance note.* Prepared for the Bill and Melinda Gates Foundation by University of Technology Sydney - Institute for Sustainable Futures. 2022

Invited Member, Emory Global Advisory Council, Emory University, 2023 – present

Invited Member, Faculty Advisory Board for the Office of Research Administration, Emory University, 2024 - present

Completed “Dare to Lead” Curriculum, May 2023 and Feb 2024

Invited Member, WHO Expert Review Group for “Guidance on prioritization and implementation of multi-pathogen wastewater and environmental surveillance (WES) to support public health decision-making”, 2024 - present

**JOURNALS:**

Editorial Board, *Journal of Food Protection* (2000-2009)

Associate Editor, *Water Quality, Exposure and Health* (2008 – 2011)

Editorial Board, *Food and Environmental Virology* (2008 – 2019)

**PUBLICATIONS**

\* indicates articles, books, book chapters, or presentation that were co-authored with a student or recent graduate.

**Books**

Bryan, FL, OD Cook, K Fox, JJ Guzewich, D Juranek, **C Moe**, RC Swanson and ECD Todd (1996) *Procedures to Investigate Waterborne Illness*, Second Edition. Des Moines, Iowa: International Association of Milk, Food and Environmental Sanitarians, Inc.

Committee on the Evaluation of Augmenting Potable Water Supplies with Reclaimed Water. (1998) *Issues in Potable Reuse: The Viability of Augmenting Drinking Water Supplies With Reclaimed Water*. Water Science and Technology Board, National Research Council, National Academy Press, Washington, DC.

Committee to Review the New York City Watershed Management Strategy. (2000) *Watershed Management for* *Potable Water Supply: Assessing New York City's Approach*. Water Science and Technology Board, National Research Council, National Academy Press, Washington, DC.

Committee on Public Water Supply Distribution Systems: Assessing and Reducing Risks. (2006) *Drinking Water Distribution Systems: Assessing and Reducing Risks*. Water Science and Technology Board, National Research Council, National Academy Press, Washington, DC.

Committee on Review of Science, Technology, Innovation, and Partnership for Development and Implications for the Future of USAID. (2017) *The Role of Science, Technology, Innovation, and Partnerships in the Future of USAID*. National Academies Press, Washington, DC

**Book Chapters**

**Moe, C** (1996) “Waterborne Transmission of Infectious Agents" pgs. 136-152, In: *Manual of Environmental Microbiology*, 1st Edition, CJ Hurst et al., eds. American Society of Microbiology Press.

Savitz, D and **C Moe** (1997) “Water: Chlorinated Hydrocarbons and Infectious Agents" pgs. 89-118, In: *Topics in Environmental Epidemiology*, N.K. Steenland and D.A. Savitz, eds. Oxford University Press.

**Moe, CL** (2001) "Effects Assessment: Determinants of Risk and Outcome of Waterborne Infections" pgs. 115-135, In: *Microbial Pathogens and Disinfection By-products in Drinking Water: Health Effects and Management of Risks*, GF Craun, FS Hauchman and DE Robinson, eds., ILSI Press, Washington, DC.

**Moe, C** (2001) “Waterborne Transmission of Infectious Agents" pgs. 184-204, In: *Manual of Environmental Microbiology*, 2cd Edition, CJ Hurst et al., eds. American Society of Microbiology Press.

**Moe, C** (2002) “Prospective Studies of Endemic Waterborne Disease in Developing Countries" pgs. 197-206, In: *Drinking Water and Infectious Disease: Establishing the Links*, PR Hunter, M Waite and E Ronchi, eds. CRC Press, Boca Raton, FL.

Gannon, V., C. Bolin and **C. Moe** (2004) “Emerging Pathogens and Emerging Patterns of Infection in Waterborne Zoonoses” *Emerging Waterborne Pathogens: Zoonosis and Drinking Water*. World Health Organization.

Cliver, D.O. and **C.L. Moe** (2004) “Prospects of Waterborne Viral Zoonoses” Emerging *Waterborne Pathogens: Zoonosis and Drinking Water*. World Health Organization.

**Moe, C.L.** (2004) “What are the Criteria for Determining that a Disease is Zoonotic and Water-Related?” *Emerging Waterborne Pathogens: Zoonosis and Drinking Water*. World Health Organization.

Steenland, NK, **C Moe**. (2005) “Epidemiology”. Pgs. 46-71 In: H. Frumkin (ed.), Environmental Health: From Global to Local.  Jossey-Bass.

Johnston, L.M., **C.L. Moe**, D. Moll, and L. Jaykus. (2006) “The Epidemiology of Produce-Associated Outbreaks of Foodborne Disease”. Pgs 37-72 In:  J.L. James (ed.), Microbial Hazard Identification of Fresh Fruit and Vegetables. John Wiley and Sons, Inc., Hoboken, NJ.

Leon, J. and **CL Moe**. (2006) “Role of viruses in foodborne disease”.Pgs 309-342 In: M. Potter (ed.), *Food consumption and disease risk: consumer-pathogen interactions*, CRC Press, Woodhead Publishing Ltd: Cambridge.

D’Souza DH, **CL Moe** and L Jaykus (2007) “Foodborne Viral Pathogens” Pgs 581-607 In: MP Doyle, LR Beuchat, and TJ Montville (eds.), *Food Microbiology: Fundamentals and Frontiers*, 3rd Edition. American Society for Microbiology Press.

**Moe, C** (2007) "Waterborne Transmission of Infectious Agents" Pgs 222-248 In: *Manual of Environmental Microbiology*, 3rd Edition, CJ Hurst et al., eds. American Society of Microbiology Press.

Leon, J. S., S. Menira, Q. Wang, E. R. Smith, L. J. Saif, and **C. L. Moe.** (2008). Immunology of norovirus infection, p. 219-262. In: *Immunity against Mucosal Pathogens*. M. Vajdy (ed.) Springer Science, Boston, MA.

Leon J.S., L-A Jaykus and **C. Moe** (2009). Chapter 12 “Food Safety Issues and the Microbiology of Fruits and Vegetables” Pgs 255-290 In: *Microbiologically Safe Foods*, J. Santos-Garcia, ed., John Wiley & Sons, New Jersey.

**Moe, C.** (2009). Chapter 5. “Achieving Water and Sanitation Services for Health in Developing Countries” – “Improving Water and Sanitation Access in Developing Countries: Progress and Challenges. Pgs. 51-59 In: *Global Environmental Health: Research Gaps and Barriers for Providing Sustainable Water, Sanitation and Hygiene Services – Workshop Summary*. C Coussens, Rapporteur*.* Institute of Medicine of the National Academies. The National Academies Press, Washington, DC.

Navarro, I., P. Teunis, **C. Moe** and B. Jimenez (2010). Chapter 4 “Approaches to Evaluate and Develop Health Risk-Based Standards Using Available Data” Pgs. 63-88, In: *Wastewater Irrigation and Health: Assessing and Mitigating Risk in Low-Income Countries*, P Drechsel, CA Scott, L Raschid-Sally, M. Redwood and A. Bahri, eds., Earthscan Publishing, London, in association with the International Development Research Centre and the International Water Management Institute.

Steenland, NK, **C Moe**. (2010) “Epidemiology”. In: H. Frumkin (ed.), Environmental Health: From Global to Local, Second Edition, Jossey-Bass

D’Souza, DH, **CL Moe**, and LA Jaykus(2011)\*” Foodborne Viral Pathogens” In: *Food Microbiology: Fundamentals and Frontiers*, 4th Edition., M Doyle and L Beuchat, Eds. American Society for Microbiology Press.

**Moe, C** (2011) Chapter 6 “Essential Surveillance” Pgs. 78-101, In: *Technical guidance on water-related disease surveillance*. E. Funari, T. Kistemann, S. Herbst and A. Rechenburg, Eds., World Health Organization Regional Office for Europe, Copenhagen.

Steenland, NK, **C Moe**. (2015) “Epidemiology”. In: H. Frumkin (ed.), Environmental Health: From Global to Local, Third Edition, Jossey-Bass

**Refereed Articles:**

Cogger, CG, **CL Moe**, LM Hajjar and MD Sobsey (1984) Effect of Fluctuating High Water Tables on the Treatment of Wastewater in the Vadose Zone, in: *Proceedings of the Conference on the Characteristics and Monitoring of the Vadose Zone*, National Water Well Assoc., Worthington, OH.

Echeverria, P, DN Taylor, J Seriwatana and **CL Moe** (1987) Comparative Study of Synthetic Oligonucleotide and Cloned Polynucleotide Enterotoxin Gene Probes to Identify Enterotoxigenic *Escherichia coli. J. Clin. Micro*. 25(1):106-109.

Cogger, CG, LM Hajjar, **CL Moe** and MD Sobsey (1988) Septic System Performance on a Coastal Barrier Island. *Journal of Environmental Quality* 17(3):401-408.

Baltazar, J, J Briscoe, V Mesola, **C Moe**, F Solon, J VanDerslice and B Young (1988) Can the Case-Control Method Be Used to Assess the Impact of Water Supply and Sanitation on Diarrhea? A Study in the Philippines. *Bull. WHO* 66(5):627-635.

Lew, JF, RI Glass, RE Gangarosa, IP Cohen, C Bern and **CL Moe** (1991) Diarrheal Deaths in the United States, 1979 Through 1987. *JAMA* 265(24):3280-3284.

**Moe, CL**, MD Sobsey, GP Samsa and V Mesola (1991) Bacterial Indicators of Risk of Diarrheal Disease from Tropical Drinking Waters in the Philippines. *Bull. WHO* 69(3):305-317.

Lew, JF, **CL Moe**, SS Monroe, JR Allen, BM Harrison, BD Forrester, SE Stine, PA Woods, JC Hierholzer, JE Herrmann, NR Blacklow, AV Bartlett and RI Glass (1991) Astrovirus and Adenovirus Associated with Diarrhea in Children in Day Care Settings. *J. Infect. Dis*. 164:673-678.

**Moe, CL**, JR Allen, SS Monroe, HE Gary, CD Humphrey, JE Herrmann, NR Blacklow, C Carcamo, M Koch, KY Kim and RI Glass (1991) Detection of Astrovirus by Immunoassay and RNA Probe in Pediatric Stool Samples. *J. Clin. Micro*. 29(11):2390-2395.

Khan, AS, **CL Moe**, RI Glass, SS Monroe, MK Estes, LE Chapman, X Jiang, C Humphrey, E Pon, J Iskander and LB Schonberger (1994) Norwalk Virus-Associated Gastroenteritis Traced to Ice Consumption Aboard a Cruise Ship in Hawaii: Comparison and Appli­cation of Molecu­lar Method-Based Assays. *J. Clin. Micro*. 32(2):318-322.

**Moe, CL**, J Gentsch, T Ando, G Grohmann, SS Monroe, X Jiang, J Wang, MK Estes, Y Seto, C Humphrey, S Stine and RI Glass (1994) Application of PCR to Detect Norwalk Virus in Fecal Specimens from Outbreaks of Gastroenteritis. *J. Clin. Micro*. 32(3):642-648.

Herwaldt, BL, JF Lew, **CL Moe**, DC Lewis, CD Humphrey, SS Monroe, EW Pon and RI Glass (1994) Characterization of a Variant Strain of Norwalk Virus from a Foodborne Outbreak of Gastroenteritis on a Cruise Ship in Hawaii*. J. Clin. Micro*. 32(4):861-866.

Wolfaardt, M, **CL Moe**, and WOK. Grabow (1995) Detection of Small Round Structured Viruses by Enzymatic Amplification. *Water Science and Technology* 31:375-382.

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\*Robb, K., M Gallegos, L Igboh, S Lie-Tjauw, K Roguski, M Sinha, and **C Moe**. *Sustainable access to safe water in health facilities in Honduras and Ghana.* Oral Presentation.Water and Health Conference: Where Science Meets Policy, October 14-18, 2013, Chapel Hill, N.C.

\*Gretsch, S., K Robb, J Clennon, and **C Moe**. *Quantification of Exposure to Open Drains in Low-Income Neighborhoods in Accra, Ghana: Implications for Microbial Risk Assessment*. Poster presentation. Water and Health Conference: Where Science Meets Policy, October 14-18, 2013, Chapel Hill, N.C

**Moe, C**., A Schrecongost, D Peprah, J Ampofo, G Armah. *The SaniPath Study: The Consequences of a Broken Sanitation Chain in Low-Income Urban Settings*. American Society of Tropical Medicine and Hygiene 62nd Annual Meeting, November 13-17, 2013, Washington, DC. *Am J of Trop Med Hyg* 89:5(Supplement), Symposium 68, pg. 147-148.

\*Baker, KK, C Null, D Peprah, H Yakubu, J Ampofo, G Armah, N Willington, K Robb, H Reese and **C Moe**. *Predictors of Fecal Exposure in Urban Public Latrines: The Role of Characteristics and Conditions*. Poster #685. American Society of Tropical Medicine and Hygiene 62nd Annual Meeting, November 13-17, 2013, Washington, DC. *Am J of Trop Med Hyg* 89:5(Supplement), Poster #685, pg. 169.

\*Robb, K., M Gallegos, L Igboh, S Lie-Tjauw, K Roguski, M Sinha, and **C Moe**. *Sustainable access to safe water in health facilities in Honduras and Ghana.* Poster #683. American Society of Tropical Medicine and Hygiene 62nd Annual Meeting, November 13-17, 2013, Washington, DC. *Am J of Trop Med Hyg* 89:5(Supplement), Poster #683, pg. 169.

\*K. Wahl, J. Yi, A. Kirby, E. Anderson, R. Jerris, A. Shane, and **C. Moe**. *Norovirus and Rotavirus Prevalence in Pediatric Patients with Underlying Gastrointestinal Dysfunction in Atlanta, GA, 2012-2013*. 30th Annual Clinical Virology Symposium and Annual Meeting of the Pan American Society for Clinical Virology. April 27-30, 2014, Daytona Beach, Fl

\*Kirby, AE, A Streby, and **CL Moe**.  *Norovirus GI and GII Titers in Emesis Collected During Experimental Human Norovirus Challenge*.  2014 American Society for Virology Annual Meeting.  June 21-25, 2014, Fort Collins, CO

\*Kirby, AE, J Yi, B Sederdahl, K Wahl, R Jerris, C Kraft, E Anderson, A Shane, and **CL Moe**.  *Norovirus and Rotavirus Prevalence in Stool Specimens from Children and the Aged in a Southeastern United States Community, 2012-2013*.  2014 American Society for Virology Annual Meeting.  June 21-25, 2014, Fort Collins, CO

\*Gallegos, M, K Robb, L S-I Igboh, S Lie Tjauw and **C Moe**…*Performance, Use and Sustainability of Decentralized Water Filtration Systems in Hospitals in Honduras and Ghana*. University of North Carolina at Chapel Hill Conference on Water and Health: Where Science Meets Policy, October 13-17, 2014, Chapel Hill, NC

Baker, K, H Yakubu, D Peprah, C Null, K Robb, J Ampofo, G Armah, and **C Moe***. Impact of sanitation coverage on neighborhood-level fecal contamination in Accra, Ghana*. University of North Carolina at Chapel Hill Conference on Water and Health: Where Science Meets Policy, October 13-17, 2014, Chapel Hill, NC

Kirby, A, H-H Tsai, H Yakubu, K Robb, P Liu, P Teunis, K Baker and **C Moe.** *Norovirus Contamination in Accra, Ghana and Infection Risk Associated with the Practice of Urban Agriculture*. University of North Carolina at Chapel Hill Conference on Water and Health: Where Science Meets Policy, October 13-17, 2014, Chapel Hill, NC

\*Raj, S, K Robb, K Roguski, H Yakubu, S Russell, S Davis, M Tulloch, M Scruggs, L Andrews, A Mokhtari, S Beaulieu, J Ampofo, A Kirby, K Baker, C Null and **C Moe**. *Development and Validation of the SaniPath Rapid Assessment Tool: Characterizing a Complex Problem with a Simple Tool.* University of North Carolina at Chapel Hill Conference on Water and Health: Where Science Meets Policy, October 13-17, 2014, Chapel Hill, NC

Zaharoff, S, H Yakubu, J Ampofo, G Armah, **C Moe** and K Baker. *A novel method for collecting and analyzing fecal exposure transmitted by the housefly in urban Accra, Ghana*. University of North Carolina at Chapel Hill Conference on Water and Health: Where Science Meets Policy, October 13-17, 2014, Chapel Hill, NC

\*Hurd JM, M Hennink, **C Moe**, C Null, K Robb, H Yakubu and D Peprah. *Pervasive exposure to fecal contamination in low-income neighborhoods in Accra, Ghana*. Abstract 573. 63rd Annual Meeting of the American Society of Tropical Medicine and Hygiene. November 2-6, 2014, New Orleans, LA

\*Robb, K, M Gallegos, L Igboh, S Lie-Tjauw, and **C Moe**. *Water access, quality and use in ten healthcare facilities in Honduras and Ghana.* Abstract 1262. 63rd Annual Meeting of the American Society of Tropical Medicine and Hygiene. November 2-6, 2014, New Orleans, LA

\*Berendes, D, D Beno, J Clennon, B Ghale, A Gunasekaran, G Kang, A Kartikeyan, A Kirby, J Senthil Kumar, V Mohan, S Raj, S Roy, H Yakubu, **C Moe**. *Spatial and Behavioral Influences on Household Fecal Contamination in Two Low Income Urban Settings. Oral Presentation.* Water and Health Conference 2015, The Water Institute at UNC, October 26-30, 2015, Chapel Hill, NC

\*Berendes,D., D. Beno, J. Clennon, B. Ghale, A. Gunasekaran, G. Kang, A. Kartikeyan, A. Kirby, J. Senthil Kumar, V. Mohan, S. Raj, S. Roy, H. Yakubu, **C. Moe**. *Neighborhood Structure, Household Behaviors, and Their Effects on Spatial Clustering of Risk of Exposure to Fecal Contamination in Urban Flood Areas. Poster Presentation.* Water and Health Conference 2015, October 26-30, 2015, Chapel Hill, NC

\*Robb, K, S. Lie-Tjauw, M Gallegos, **C Moe**. *A Rapid and Simple Metric for Assessing the*

*Sustainability of Safe Water Provision in Healthcare Facilities* Poster Presentation 155. Water and Health Conference 2015, October 26-30, 2015, Chapel Hill, NC

Robb, K., L Denny, H Yakubu, **C Moe**. *Evaluation of WASH Infrastructure and Resources in Healthcare Facilities in Cambodia and Uganda.* Poster Presentation 156. Water and Health Conference 2015, October 26-30, 2015, Chapel Hill, NC

Robb, K., T Osborne, H Yakubu, Y Wang. **C Moe**. *Characterizing Determinants of Hand Contamination Across Public and Private Domains in Low Income Neighborhoods of Accra, Ghana.* Poster Presentation 157. Water and Health Conference 2015, October 26-30, 2015, Chapel Hill, NC

Denny L,K. Robb**,** J. Michiel, **CL Moe, C** Abourached, E Opong, E Nyundu. *Evaluation of WASH conditions in HCF in Zambia* Poster Presentation. Water and Health Conference 2016, October 10-14, 2016, Chapel Hill, NC

\*Michiel JJ, K White, SM Lie-Tjauw, KA Stanfill, N Kishore, KA Robb, **CL Moe**. *Developing* ***mHealth*** *for WASH: Lessons Learned for Building and Deploying Mobile Tools for WASH Projects in Low-Income Countries.* Poster Presentation. Water and Health Conference 2016, October 10-14, 2016, Chapel Hill, NC

Raj S, Y. Wang, K. Robb, H. Yakubu, B. Muneme, IJ. VanHaren, N. Lazaro, A. Kirby, J. Knee, J.Brown, **CL Moe.** *Assessment of Exposure to Fecal Contamination in a Low-Income Neighborhood before and after a Shared Latrine Intervention.* Water and Health Conference 2016, October 10-14, 2016, Chapel Hill, NC

Wang, Y, **CL Moe**, C. Null, S.J Raj, K. Baker, K. Robb, H. Yakubu, J.A. Ampofo, N. Wellington, M. Freeman, G. Armah, H.E. Reese, D. Peprah, P.Teunis. *Quantitative assessment of exposure to fecal contamination for young children in a crowded, low-income urban environment in the SaniPath Study of Accra, Ghana.*  Poster Presentation. Water and Health Conference 2016, October 10-14, 2016, Chapel Hill, NC

Denny, L, J McGriff, K Lim, V Koy, **CL Moe.** *WASH and IPC Training Needs Assessment of Clinicians and Cleaners in Cambodian Healthcare Facilities*. Water and Health Conference 2016, October 10-14, 2016, Chapel Hill, NC

\*Berendes, D, J Leon, A Kirby, J Clennon, S Raj, H Yakubu, K Robb, A Kartikeyan, P Hemavathy, A Gunasekaran, B Ghale, JS Kumar, V Mohan, G Kang, **CL Moe.** *Risk Factors for Pediatric Enteric Infection in a Low-Income Urban Neighborhood: Examining the Contributions of the Household Environment, Neighborhood Geography, and Exposure Behaviors in Vellore, India*. Water and Health Conference 2016, October 10-14, 2016, Chapel Hill, NC

\*Kirby, AE, J. Barton, M. Sizemore, E. Anderson, J. Vinje, **CL Moe**. *Norovirus Seroprevalence in NHANES Specimens From the United States in 1999-2000 and 2003-2004*. 6th International Conference on Caliciviruses, October 9-13, 2016, Savannah, GA

\*Newman KL, ZA Marsh, PA Rebolledo, MJ Huey, AE Kirby, **CL Moe**, JS Leon*. An outbreak of GII.P7/GII.6 Norovirus on a residential university campus.* 6th International Conference on Caliciviruses, October 9-13, 2016, Savannah, GA

Wang Y, **CL Moe**, C Null, SJ Raj, KK Baker, KA Robb, H Yakubu, JA Ampofo, N Wellington, M Freeman, G Armah, HE Reese, D Peprah, PFM Teunis. *Quantitative assessment of exposure to fecal contamination for young children in a crowded, low-income urban environment in the SaniPath Study of Accra, Ghana*. Poster #1189. American Society of Tropical Medicine and Hygiene 65nd Annual Meeting, November 13-17, 2016, Atlanta, GA. *Am J of Trop Med Hyg* 95:5(Supplement), #1189, pg. 221.

\*Berendes D, J Leon, A Kirby, J Clennon, S Raj, H Yakubu, K Robb, A Kartikeyan, P Hemavathy, A Gunasekaran, BC Ghale, JS Kumar, VR Mohan, G Kang, **C Moe**. *Risk Factors for Pediatric Enteric Infection in a Low-Income Urban Neighborhood: Examining the Contributions of the Household Environment, Neighborhood Geography and Exposure Behaviors in Vellore, India*. American Society of Tropical Medicine and Hygiene 65nd Annual Meeting, November 13-17, 2016, Atlanta, GA. *Am J of Trop Med Hyg* 95:5(Supplement), #1856, pg. 314.

\*Berendes D, J Leon, A Kirby, J Clennon, S Raj, H Yakubu, K Robb, A Kartikeyan, P Hemavathy, A Gunasekaran, BC Ghale, JS Kumar, VR Mohan, G Kang, **C Moe**. *Urban Risk Factors Associated With Enteric Infection in Children: The Role Of Toilets, FSM, and Flooding in a Low-Income Neighborhood of Vellore, India*. Fecal Sludge Management 4 Conference, February 20-22, 2017, Chennai, India.

\*Yakubu H, D. Berendes, K Robb, J Michiel, B Doe, JA Ampofo, A Kirby, **CL Moe**. *Assessment of Public Health Risks From Unsafe Fecal Sludge Management in Accra, Ghana.* Fecal Sludge Management 4 Conference, February 20-22, 2017, Chennai, India.

\*Raj S, Y Wang, K Robb, H Yakubu, D Berendes, N Wellington, J Ampofo, G Kang, S Roy, A Kartikieyan, A Gunasekaran, J Brown, N Lazaro, B Muneme, I VanHaren, A Kirby, **C Moe.** *Exposure to Fecal Contamination in 3 low-income urban settings: Results from the SaniPath Tool*. Fecal Sludge Management 4 Conference, February 20-22, 2017, Chennai, India.

Yakubu H, R Mugambe; E Opoki; V Tuominen; P Lamsal; C Bwire; F Owera; L Denny; J McGriff; J Michiel; **C Moe**. *Water, Sanitation and Hygiene Conditions in 67 Healthcare Facilities in Uganda*. 2017 Water and Health Conference: Where Science Meets Policy October 16‐20, 2017, Chapel Hill, NC

Yakubu H, D Berendes; K Robb; A Kirby; S Raj; J Ampofo; B Doe; J Michiel; Y Wang; **C Moe**

*Public Health Risks Associated with Unsafe Fecal Sludge Management in Accra, Ghana*. 2017 Water and Health Conference: Where Science Meets Policy, October 16‐20, 2017, Chapel Hill, NC

Green, J, S Raj; Y Wang; D Duong; M Yakushima; S Chhun; J Wicken; **C Moe**; J Michiel; H Yakubu. *SaniPath Assessment of Exposure to Fecal Contamination in Informal Settlements and Formal Neighborhoods of Siem Reap, Cambodia*. 2017 Water and Health Conference: Where Science Meets Policy October 16‐20, 2017, Chapel Hill, NC

Wang, X, L Denny; **C Moe**. *Assessing Environmental Contamination in the Maternity Wards of Two National Hospitals in Phnom Penh, Cambodia*. 2017 Water and Health Conference: Where Science Meets Policy October 16‐20, 2017, Chapel Hill, NC

\*Berendes, D, H Yakubu; K Robb; A Kirby; S Raj; J Ampofo; B Doe; J Michiel; Y Wang; **C Moe.** *The Need for Fecal Sludge Management Among the Poorest: Evidence from Demographic and Health Survey Data.* 2017 Water and Health Conference: Where Science Meets Policy October 16‐20, 2017, Chapel Hill, NC

Yakubu H, RK Mugambe, J Isunju, J Michiel, C Bwire, F Owera-Odom, L Denny, E Opoki, J McGriff, **CL Moe**. *Assessment of water, sanitation, hygiene, and infection prevention and control conditions in fifty-two healthcare facilities in Hoima District of Uganda*. 66th Annual Meeting American Society for Tropical Medicine and Hygiene, November 5-9, 2017, Baltimore, MD

**Moe, CL**, J Green, S Raj, Y Wang, N Amin, S Ali, M Rahman, I Hasan, Z Hassan, S Haque, G Joseph. [*Risk of exposure to fecal contamination for adults and children in slum, non-slum, and high-income neighborhoods across Dhaka, Bangladesh using the SaniPath Exposure Assessment Tool*](https://www.abstractsonline.com/pp8/#!/4692/presentation/17674)*. #1364.* 67th Annual Meeting American Society for Tropical Medicine and Hygiene, October 5-9, 2018, New Orleans, LA

Wadhwa, A, S Dutta, Y Wang, M Aldeco, G Chowdhury, R Kapoor, A Mukhopadhyay, **CL Moe**. *Validation of Molecular Assays for the Detection of S. Typhi and S. Paratyphi A in Environmental Samples* #1341*.* 67th Annual Meeting American Society for Tropical Medicine and Hygiene, October 5-9, 2018, New Orleans, LA

Wang, Y, A Wadhwa, W Mairinger, **C Moe**. *Adaptive Sites Allocation for Typhoid Environmental Surveillance in Two Indian Cities. #*1370 67th Annual Meeting American Society for Tropical Medicine and Hygiene, October 5-9, 2018, New Orleans, LA

Wadhwa A, S Dutta, J Ebdon, G Chowdhary, R Kapoor, Y Wang, A Mukhopadhyay, S Kanungo, P Chatterjee, **CL Moe**. Successful Application of Microbial Source Tracking Using GB-124 Bacteriophage as an Indicator of Human Fecal Contamination in Environmental Samples in Kolkata, India. #2033 67th Annual Meeting American Society for Tropical Medicine and Hygiene, October 5-9, 2018, New Orleans, LA

Yakubu, H, L Denny, Y Wang, **C Moe**, F Owera-Odom, C Bwire, R Mugambe, V Tuominen. *Water, Sanitation and Hygiene and Infection Prevention and Control Conditions and Practices: The Status of Health Care Facilities in Karamoja and West Nile Sub-Regions of Uganda*. 2018 Water and Health Conference: Where Science Meets Policy, October 29-Nov 2, 2018, Chapel Hill, NC

Raj, S, J Green, Y Wang, N Amin, M Rahman, I Hassan, Z Hassan, G Joseph, **C Moe**. *Risk of Exposure to Fecal Contamination for Adults and Children in Neighborhoods Across Dhaka Bangladesh Using the Sanipath Exposure Assessment Tool.* 2018 Water and Health Conference: Where Science Meets Policy, October 29-Nov 2, 2018, Chapel Hill, NC

**Moe, CL**, Y. Wang, S. Raj, H. Yakubu, J. Green, C. Siesel, P. Teunis.  *Examining exposure to fecal contamination in urban environments: the SaniPath exposure assessment in multiple low-income cities.*15th International Conference on Urban Health (ICUH2018) November 27-30, 2018, Kampala, Uganda

Wang, Y, **C Moe**, A Wadhwa, W. Mairinger, P Teunis. *Typhoid environmental surveillance sampling strategies and adaptive sampling site allocation method: A simulation study for Wards 58 & 59, Kolkata.* 11th International Conference on Typhoid and Other Invasive Salmonelloses. March 26-28, 2019, Hanoi, Vietnam.

Chowdhury, G, R Kapoor, AK Mukhopadhyay, S. Kanungo, P Chatterjee, S. Dutta, **CL Moe**. *Testing of sewage samples for detection of S. Typhi and S. Paratyphi A in Kolkata, India.* Poster #22. 11th International Conference on Typhoid and Other Invasive Salmonelloses. March 26-28, 2019, Hanoi, Vietnam.

Kapoor, R, S Dutta, A Wadhwa, Y Wang, G Chowdhury, A Mukhopadhyay, **C Moe**. *Evaluation of molecular methods for detection of S. Typhi and S. Paratyphi A in environmental samples*. Poster #64. 11th International Conference on Typhoid and Other Invasive Salmonelloses. March 26-28, 2019, Hanoi, Vietnam

Kapoor, R, S Dutta, A Wadhwa, P Liu, Y Wang, S Kanungo, **C Moe**. *Optimization of methods to detect S. Typhi and S. Paratyphi A in Sewage.* Poster #65. 11th International Conference on Typhoid and Other Invasive Salmonelloses. March 26-28, 2019, Hanoi, Vietnam

Mairinger, W, C Siesel, H Yakubu, S Durry, S Raj, Y Wang and **C Moe**. Comparison of SaniPath Exposure Assessments in Low-income Urban Areas in Eight Countries. Abstract #227. 2019 Water and Health Conference: Where Science Meets Policy, October 7-11, 2019, Chapel Hill, NC

Yakubu, H, B Tuffuor, AK Senayah, B Doe, J Tetteh-Nortey, R Buamah, C Siesel, Y Wang, W Mairinger, S Raj, **C Moe**. Use of an Evidence-based Tool to Inform Action and Sanitation Investments in Kumasi, Ghana. Abstract #297. 2019 Water and Health Conference: Where Science Meets Policy, October 7-11, 2019, Chapel Hill, NC

\*Hubbard, S, Y Wang, G Kang, S Raj, H Yakubu, A Kartikeyan, JS Kumar, VR Mohan, **CL Moe** Exploring the Relationship Between Fecal Exposure Pathways and Enteric Infections in Children in Vellore, India. Abstract #39. 2019 Water and Health Conference: Where Science Meets Policy, October 7-11, 2019, Chapel Hill, NC

**Moe CL**, N Amin, T Foster, P Liu, R Miah, S Raj, J Falletta, J Willetts. Modelling pathogen flows in urban environments: Case study in Dhaka Bangladesh and its wider implications. Abstract #89. 2019 Water and Health Conference: Where Science Meets Policy, October 7-11, 2019, Chapel Hill, NC

\*Wang Y, S Hubbard, G Kang, S Raj, H Yakubu, A Karthikeyan, S Kumar, VR Mohan, **C Moe**. Exploring the Potential Relationship Between Fecal Exposure Pathways and Symptomatic and Asymptomatic Enteric Infections in Children in an Urban Environment in Vellore, India. Abstract #1906, 68th Annual Meeting American Society for Tropical Medicine and Hygiene. November 20-24, 2019, Washington, DC

Mairinger, W, Y Wang, S Raj, H Yakubu, C Siesel, J Green, S Durry, **C. Moe**. Comparison of SaniPath Exposure Assessments in Low-Income Urban Areas in Eight Countries. Abstract #1228, 68th Annual Meeting American Society for Tropical Medicine and Hygiene. November 20-24, 2019, Washington, DC

Yakubu, H, R Mugambe, C Bwire, J McGriff, **C Moe**. Behavioral and Environmental Risk Factors Associated with Neonatal Sepsis in Ugandan Healthcare Facilities. Abstract #1887, 68th Annual Meeting American Society for Tropical Medicine and Hygiene. November 20-24, 2019, Washington, DC

**Moe CL** and R. Mugambe. SaniPath Tool and Case Study – Part of session entitled: “Tools to Support Climate-Smart Sanitation Decision-Making for the Urban Poor”. Stockholm World Water Week, Aug 26, 2020, VIRTUAL CONFERENCE.

\*Corpuz B, P Liu, N Amin, T Foster, P Liu, R Miah, S Raj, J Falletta, J Willetts, **CL Moe**. Detection of Enteric Pathogens and Assessment of Health Risks in Urban Environments of Dhaka, Bangladesh. 2020 Water and Health Conference: Where Science Meets Policy, October 26-30 2020, VIRTUAL CONFERENCE

## \*Carr K, K Zhao, H Yakubu, L Alamineh, G Yismaw, M Belew, A Gebremariam, J Cranmer, **CL Moe**. Impact of WASH Practice on Ethiopian Hospital Environmental Contamination. 2020 Water and Health Conference: Where Science Meets Policy, October 26-30 2020, VIRTUAL CONFERENCE

\*Wilson Rebrovick H, L Denny, H Yakubu, Y Wang, **C Moe**. Water, sanitation and hygiene at health care facilities in Afghanistan and Uganda: conditions and determinants. 2020 Water and Health Conference: Where Science Meets Policy, October 26-30 2020, VIRTUAL CONFERENCE

**Moe CL** and R. Mugambe. SaniPath Tool and Case Study – Part of session entitled: “Tools to Support Climate-Smart Sanitation Decision-Making for the Urban Poor”. 2020 Water and Health Conference: Where Science Meets Policy, October 26-30 2020, VIRTUAL CONFERENCE

Mugambe, R, JB Isunju, T Ssekamatte, S Wafula, C Siesel, S Durry, Y Wang, S Raj, H Yakubu, **CL Moe**. “SaniPath assessment of exposure to fecal contamination in five slum zones of Kampala”, 2020 Water and Health Conference: Where Science Meets Policy, October 28, 2020, VIRTUAL CONFERENCE

**Moe CL**, M Alberer, C Hatz, AE Kirby, L Lindsay, HD Nothdurft, R Steffen, T Verstraeten, HM Wu, HL DuPont. Acute Norovirus Gastroenteritis Among International Travelers: Results From a Prospective Cohort Study. 69th Annual Meeting American Society for Tropical Medicine and Hygiene. November 15-19, 2020, VIRTUAL CONFERENCE

Cranmer J, A Gobezayehu, L Alimineh, J Hopkin, M Belew, H Yakubu, L Denny, **C Moe**. Alarming Incidence of Neonatal Sepsis and Antimicrobial Resistance at Health Facilities: Examples from Primary and Referral Hospitals in Ethiopia. 69th Annual Meeting American Society for Tropical Medicine and Hygiene. November 15-19, 2020, VIRTUAL CONFERENCE

\*Carr K, K Zhao, H Yakubu, L Alamineh, M Belew, A Gebremariam, J Cranmer, **CL Moe**. Impact of WASH Conditions on Microbial Contamination of the Environment in Two Hospitals in Amhara, Ethiopia. 69th Annual Meeting American Society for Tropical Medicine and Hygiene. November 15-19, 2020, VIRTUAL CONFERENCE

Kapoor, R and **CL Moe**. Persistence of *Salmonella* Typhi viability and DNA in sewage. 69th Annual Meeting American Society for Tropical Medicine and Hygiene. November 15-19, 2020, VIRTUAL CONFERENCE

Amin N, P Liu, T Foster, M Rahman, MR Miah, GB Ahmed, M Kabir, S Raj, **CL Moe**, J Willetts. Pathogen flows from sanitation systems in Dhaka: A quantitative environmental assessment. 6th International Fecal Sludge Management Conference, May 31 – June 4, 2021. VIRTUAL CONFERENCE.

Yakubu, H. Center for Global Safe WASH, Emory University-Working Group, Council for Scientific and Industrial Research- Water Research Institute- Working Group, TREND Group-Working Group, Ghana Health Service- Working Group. Wastewater surveillance for SARS COV-2 in the Greater Accra Region of Ghana, 2022 Water and Health Conference: Science, Policy, Practice, October 24-28, 2022, Chapel Hill, NC

\*Mbae, C, A Deshpande, H Yakubu, S Kariuki, **C Moe**. Measurement of Human-Environment Behaviors and Fecal Contamination for Assessing Risk of Cholera in Urban Kenya. 2022 Water and Health Conference: Science, Policy, Practice, October 24-28, 2022, Chapel Hill, NC

Wolfe, M, S Bosinger, P Liu, D Gratz, S Lapp, A Metz, O Sablon, L Guo, R Barbero, B Lepene, R Dunlap, T Jones-Roe, **C Moe**. Temporal, geographic, and population patterns of SARS-CoV-2 variants detected in wastewater samples across Atlanta, GA, October 2021-April 2022. Global Metagenomics Summit. November 18-21, 2022, Miami, FL

**\*Moe, CL**., P Liu, J VanTassell, SP Hilton, L Guo, O Sablon, M Wolfe, L Freeman, W Rose, C Holt, M Browning, M Bryan, L Waller, PFM Teunis, S Bosinger, S Lapp, A Metz, D Gratz, Y Wang. Multi-Level Wastewater Monitoring for SARS-CoV-2 in Metro Atlanta. 2023 Georgia Water Resources Conference, March 30-31, 2023, Athens, GA

**Moe, CL**, Y Wang, P Liu, H Yakubu, S Raj, S durry, SP Hilton, O Sablon, M Wolfe. Global Experience with Environmental Surveillance: Lessons Learned from Six Counries, Eight Cities & Eight Pathogens. 2024 Water and Health Conference, October 14-18, 2024, Chapel Hill, NC

**Invited Presentations**

**Moe, CL**. “Bacterial Indicators of Risk of Diarrheal Disease from Tropical Drinking Waters in the Philippines”. Recent Advances in Digestive Disease and Nutrition: Research Competition, Core Center on Diarrheal Diseases, April 1988, Chapel Hill, NC.

**Moe, CL**. “Bacterial Indicators of Risk of Diarrheal Disease in Tropical Drinking Waters in the Philippines”. Indicators and Pathogens in Tropical Waters Seminar, 89th Annual Meeting of the American Society for Microbiology, May 1989, New Orleans, LA.

**Moe, CL**. “Norwalk Virus: Detection and Epidemiology”. 80th Annual Meeting of the International Association of Milk, Food, and Environmental Sanitarians, August 1993, Atlanta, GA.

**Moe, CL.** “New Enteric Pathogens: After Cryptosporidium, What Next?” 113th Annual Conference of the American Water Works Association, June 1994, New York, NY.

**Moe, CL**. “Emerging Waterborne Pathogens”. 59th Annual Educational Conference of the National Environmental Health Association, June 1995, Denver, CO.

**Moe, CL**. “Preliminary Results of Norwalk Virus Dose-Response Study”. EPA/CDC Waterborne Disease Workshop, March 1997, Atlanta, GA.

**Moe, CL**. “Norwalk Virus Dose-Response Study”. EPA Microbial/Disinfection By-Products Stakeholder Meeting , May 1997, Washington, DC.

**Moe, CL**. “The Challenges of Conducting Human Challenge Studies: The Norwalk Virus Dose-Response Study”. University of Texas Health Sciences Center, May 1997, Houston, TX.

**Moe, CL**. D. Rhodes, S. Pusek, F. Tseng, W. Heizer, C. Kapoor, B. Gilliam, P. Stewart, M. Harb, S. Miller, M. Sobsey, J. Herrmann, N. Blacklow and R. Calderon, “Determination of Norwalk Virus Dose-Response in Human Volunteers”. Water Quality and Technology Conference, November 1998, San Diego, CA.

**Moe, CL**. “Studies of the Infectivity of Norwalk and Norwalk-Like Viruses”. USEPADrinking Water STAR Grants Program Review Meeting, December 1998, Arlington, VA.

Moe, CL. “Studies on the Infectivity of Norwalk and Norwalk-like Viruses”. Heath Effects Stakeholder Meeting for the Stage 2 DBPR and LT2ESWTR. USEPA. February 1999, Washington, DC.

**Moe, CL** and S. Greene, “Exploring Foodborne Transmission of Norwalk-like Viruses” UNC Center for Gastrointestinal Biology and Disease Annual Retreat. April 1999, Chapel Hill, NC.

**Moe, CL**. "Overview of Microbial/Epidemiological Early Warning Monitoring Approaches" Early Warning Monitoring to Detect Hazardous Events in Water Supply Systems. International Life Sciences Institute (ILSI) Workshop. May 1999, Reston, VA.

**Moe, CL**. "Waterborne Pathogens: Old and New Concerns" American Water Works Association Annual Conference, June 1999, Chicago, IL.

**Moe, CL**. "Assessing the Risks from *Cryptosporidium parvum* in Drinking Water" Workshop on Clearinghouse Priorities for Microbial Risk Assessment Data. Food Safety Risk Assessment Clearinghouse, Center for Food Safety and Applied Nutrition, USFDA, and the Joint Institute for Food Safety and Applied Nutrition. September 1999, Riverdale, MD.

**Moe, CL**. "Effects Assessment: Determinants of Risk and Outcome of Waterborne Infections" Second International Conference on The Safety of Water Disinfection: Balancing Chemical and Microbial Risks, International Life Sciences Institute (ILSI). November 1999, Miami Beach, Florida

**Moe, CL**. Norwalk Virus Dose-Response. WHO Workshop on Hazard Characterization of Pathogens in Food and Water. June 2000, Bilthoven, The Netherlands.

**Moe, CL**. Prospective Epidemiological Studies of Waterborne Disease in Developing Countries. OECD Expert Group Meeting: "Approaches for Establishing Links between Drinking Water and Infectious Disease". July 2000, Basingstoke, England.

**Moe, CL**. Dose-Response Relationships of Norwalk Virus from Human Challenge Studies. 87th Annual Meeting of the International Association for Food Protection, August 2000, Atlanta, GA.

**Moe, CL**. E Turf and D Oldach. Cohort Studies of Health Effects Among People Exposed to Estuarine Waters: North Carolina, Virginia and Maryland. CDC National Conference on Pfiesteria: From Biology to Public Health. October 2000, Stone Mountain, GA.

**Moe, CL.** Clean Greens Study: A field study of produce farms and packing sheds in the Southwestern United States. The Conference of Research Workers in Animal Diseases (CWRAD), November 2000, Chicago, IL.

**Moe, CL**. Georgia’s Drinking Water: Is it Safe? Physicians for Social Responsibility – Atlanta, January 2001, Atlanta, GA.

**Moe, CL**, L Lindesmith, RS Baric, P Stewart, W. Heizer and JA Frelinger. Studies of the Infectivity of Norwalk and Norwalk-like Viruses. US Environmental Protection Agency, National Center for Environmental Research, STAR Drinking Water Progress Review Meeting. February 2001, Silver Spring, MD.

**Moe, CL** and L Jaykus. Difficulties Detecting and Quantitating Viruses in Foods. The University of Georgia Center for Food Safety, Eighth Annual Meeting. March 2001, Atlanta, GA.

**Moe, CL**, and L Lindesmith. Caliciviruses and Host Genetic Factors. "Defining Susceptibility in Microbial Risk Assessment: A Dialogue" George Washington University, June 2001, Washington, DC.

**Moe, CL**. Microbial Contamination of Produce. American Veterinary Medical Association, July 2001, Boston, MA.

**Moe, CL**. R Izurieta, MD Sobsey and SA Esrey. Microbiological studies of ecological sanitation in urban El Salvador. Stockholm Water Symposium, August 2001, Stockholm, Sweden.

**Moe, CL**. "Waterborne Disease Outbreaks” American Water Works Association Teleconference: "The Basics of Waterborne Pathogens” March 2002.

**Moe, CL**. "Global Disparities in Water and Sanitation” Humphrey Fellows National Enhancement Workshop on Global Development and Social Justice. March 2002, Emory University, Atlanta, GA.

**Moe, CL** and Johnson, K. "The Risk of Food and Water Contamination from Animal Manure” International Conference on Emerging Infectious Diseases. March 2002, Atlanta, GA.

**Moe, CL** and R. Baric. New Insights into Host Susceptibility and Immune Response to Norwalk Virus Infection. Epidemiology Section, NIAID, NIH, August 2002, Bethesda, MD.

**Moe, CL**. Implementing Best Management Practice to Detect Waterborne Disease. OECD Expert Meeting: "Emerging Risks to Drinking Water Supplies: Best Practice for Improved Management and Preparedness to Protect Public Health". July 2003, Cuernavaca, Mexico.

**Moe, CL**, L Lindesmith, R Baric, J LePendu and P Teunis. Human challenge studies with Norwalk virus: dose response for infection and illness. USEPA Research on Microorganisms in Drinking Water Workshop, August 2003, Cincinnati, OH.

**Moe, CL**, S Hooper, D Moll, D Huffman, R Izurieta, R Doughton-Johnson, T Ochoa, J Uber, D Boccelli, J Rose and P Payment. A prospective epidemiological study of gastrointestinal health effects associated with consumption of conventionally treated groundwater. USEPA Research on Microorganisms in Drinking Water Workshop, August 2003, Cincinnati, OH.

**Moe, CL**. What are the criteria for determining that a disease is zoonotic and water-related? WHO Workshop on Waterborne Zoonoses. September 2003. Annapolis, MD.

**Moe, CL**. Studies of Norwalk Virus Infectivity: Dose Response, Determinants of Resistance and Evidence of Acquired Protective Immunity, Norovirus Conference Sponsored by the Military Infectious Diseases Research Program. September 2003. Silver Spring, MD.

**Moe, CL**., T. Murphey, R. Izurieta, G. de Guzman and V. Saade. Evaluation of LASF and Solar Latrines in El Salvador. Taller Entrenamiento EcoSan. October 2003, Usulutan, El Salvador.

**Moe, CL**. Studies of Health Effects Associated with Potable Water Reuse. Sixth National Environmental Public Health Conference, December 2003, Atlanta, GA.

**Moe, CL**. Clean Greens: An Epidemiologic and Microbiologic Field Study of Domestic and Imported Produce. Annual University of Georgia Center for Food Safety Meeting, March 2004, Atlanta, GA.

**Moe, CL.** Field to Fork: Studies of Produce Production and Safety. Texas Vegetable Association and Texas Cooperative Extension Vegetable Meeting, June 2004, McAllen, TX.

**Moe, CL**, L Lindesmith, P Teunis, E Collins McNeal, J LePendu, J Treanor, and R Baric. Snow Mountain Virus Dose Response. 23rd Annual Meeting of the American Society for Virology, July 2004, Montreal, Canada.

**Moe, CL**, K Weidenbach, S Hooper, S Bartell and R Muller. A Survey of Swimming Pool Water Quality, Operation and Maintenance. Aquatic Health Conference, October 2004, Atlanta, GA.

**Moe CL**. Ecological Sanitation: Thinking Out of the Box or Opening Pandora’s Box? Michigan State University, October 2004, **East Lansing, MI.**

**Moe CL**. Ecological Sanitation: Thinking Out of the Box or Opening Pandora’s Box? London School of Hygiene and Tropical Medicine, London, Great Britain, November 2004.

**Moe CL**. Ecological Sanitation: Thinking Out of the Box or Opening Pandora’s Box? University of East Anglia, November 2004, Norwich, Great Britain.

## **Moe, CL**, P Teunis, L Lindesmith, E Collins McNeal, J LePendu, J Treanor, J Herrmann, N Blacklow, and R Baric:Norovirus Dose Response, 2cd International Calicivirus Conference, November 2004, Dijon, France.

## **Moe, CL**, P Teunis, L Lindesmith, E Collins McNeal, J LePendu, J Treanor, J Herrmann, N Blacklow, and R Baric. Norovirus Dose Response, USEPA Microbial Risk Assessment Workshop, November 2004, Cincinnati, OH.

**Moe, CL** and D Moll. Field to Fork: Studies of Produce Production and Safety. Foodborne and Diarrheal Diseases Branch, National Center for Infectious Disease, Centers for Disease Control and Prevention, December 2004, Atlanta, GA.

**Moe, CL**. Water and Sanitation as an Environmental Risk Factor in Children. Indo-US Collaboration on Environmental and Occupational Health. April 2005, Goa, India.

**Moe, CL**. Potable Water Reuse: Health Considerations. 2005 Georgia Water Resources Conference, April 2005, Athens, GA.

**Moe, CL**. Virulence of Foodborne Viruses. 105th General Meeting for the American Society for Microbiology, June 2005, Atlanta, GA.

**Moe, CL.** Epidemiologic Studies of Municipal Drinking Water and Gastrointestinal Illness. Meeting of USEPA Board of Scientific Counselors – Drinking Water Subcommittee, June 2005, Cincinnati, OH.

**Moe, CL**. Meeting the Millenium Development Goal for Sanitation: The Forgotten Challenge. Special Science Seminar. The Office of the Science National Center for Environmental Health (NCEH)/ATSDR, and ATSDR’s Division of Health Studies, Centers for Disease Control and Prevention. August 2005, Atlanta, GA.

**Moe, CL**, K Weidenbach, S Hooper, S Bartell, R Muller. A Swimming Pool Chemistry and Microbiology Survey in Warm Climates: Pinellas County, FL and Metro Atlanta. World Aquatic Health Conference, September 2005, City of Industry, CA.

**Moe, CL** and S Hooper. From Modeling Water Distribution Systems in Florida to Evaluating Ecological Sanitation in El Salvador: Public Health and Environmental Engineering Partnerships and Challenges. Environmental Engineering Seminar, School of Civil and Environmental Engineering, Georgia Institute of Technology, September 2005, Atlanta, GA.

**Moe, CL**. Clean Greens: The Microbiological Quality of Produce collected from Southern U.S. Packing Sheds. Center for Food Safety and Applied Nutrition, Food and Drug Administration, October 5, 2005, College Park, MD.

**Moe, CL**. Clean Greens: The Microbiological Quality of Produce collected from Southern U.S. Packing Sheds. Epidemiological Approaches for Food Safety Principal Investigators Meeting, October 6, 2005, Washington, DC.

**Moe, CL** “Water Access and Quality: The Global Picture”. Indo-US Joint Partnership Meeting on Water, Sanitation and Environmental Health in India. February 21-22, 2006, Kolkata, India

**Moe, CL** “Sustainable Sanitation Initiatives”. Indo-US Joint Partnership Meeting on Water, Sanitation and Environmental Health in India. February 21-22, 2006 Kolkata, India.

**Moe, CL**. “Protecting our Water Supply in Contemporary Times” in “Water, Water Everywhere and Not a Drop to Drink” 2006 Models of Excellence Lecture Series: Lessons from the Past, Ideas for the Future. March 13, 2006, Rollins School of Public Health, Atlanta, GA.

**Moe, CL**. “How Safe are Public Pools? Observations in the US and Europe” 106th General Meeting for the American Society for Microbiology, May 2006, Orlando, FL .

**Moe, CL**. “Jalam: A Resource for Life” Emory University Indian Cultural Exchange Program, October 2006, Atlanta, GA

**Moe, CL**. “Studies of Norovirus Persistence and Infectivity” ID Research Seminar Series, Department of Medicine, Emory University, November 30, 2006, Atlanta, GA.

**Moe, C.L**., S.C. Tinker and P.E. Tolbert. “Epidemiologic studies of distribution system drinking water quality and gastrointestinal illness: knowledge gained and lessons learned”. Water Quality and Technology Conference, American Water Works Assoc, November 2006, Denver, CO.

**Moe, CL**. “Role of Viruses in Foodborne Diseases”, University of Georgia Center for Food Safety Annual Meeting, February 27, 2007, Atlanta, GA

**Moe, CL** “Water, Sanitation and Health: What has changed? What have we learned? Where are we going?”, Division of Parasitic Diseases Seminar, Centers for Disease Control and Prevention, March 19, 2007, Atlanta, GA

Hooper, S., K. Nilsson and **CL Moe** “Monitoring and Evaluation of Distribution System Risk Factors and Water Quality” USEPA STAR Grant Program and Office of Water, March 26, 2007, Washington, DC

**Moe, CL** “Studies of Norovirus Infectivity and Persistence: Why the Cruise Ship Industry Should be Worried!”. Population Biology, Ecology and Evolution Seminar Series, Emory University, April 20, 2007, Atlanta, GA.

**Moe, CL** “Ecological sanitation: Research on Sanitation and Health in El Salvador”, Harvard School of Public Health 2007 Spring Symposium: “The Impact of the Global Water Crisis on Health and Human Development”, May 11, 2007, Boston, MA.

**Moe, CL** “Clean Greens: Studies of Produce Farms and Packing Sheds in the Southern US” 107th Annual Meeting of the American Society for Microbiology, May 2007, Toronto, Canada

**Moe, CL**. “Studies of Norovirus Infectivity and Persistence: Why the Food Service Industry should be Vigilant”. Viruses Impacting the Restaurant and Food Service Industry, National Restaurant Association Educational Foundation. August 15, 2007, Atlanta, GA

**Moe, CL**. “Global Challenges in Water, Sanitation and Health” Dean’s Council Meeting, Rollins School of Public Health, September 27, 2007, Atlanta, GA

**Moe, CL.** “Overview of Endemic Illness Information and Implications for Possible Public Health Risks from Drinking Water” Meeting of the Total Coliform Rule Distribution System Advisory Committee to the USEPA, October 17, 2007, Washington, DC.

**Moe, CL**. “Improving Water and Sanitation Access in Developing Countries: Progress and Challenges”. Institute of Medicine Roundtable on “Global Environmental Health: Research Gaps and Barriers for Providing Sustainable Water, Sanitation and Hygiene Services”, October 18, 2007, Washington, DC.

**Moe, CL**. “Global Safe Water and Sanitation in Developing Countries”, UNICEF TAP Project, February 9, 2008, Atlanta, GA.

**Moe, CL**. “The Center for Global Safe Water and Market-based Approaches to Sanitation” Global Health and Economics Meeting, Federal Reserve Bank of Atlanta, March 7, 2008, Atlanta, GA

**Moe, CL**. “Why are Noroviruses Such Successful Pathogens? Studies of Norovirus Infectivity and Persistence”, National Restaurant Association Quality Assurance Executive Study Group Meeting, April 9, 2008, Austin, TX

**Moe, CL**. “Sanitation Approaches for Developing Countries: Challenges and New Ideas”, CORE Group Spring Meeting, April 17, 2008, Atlanta, GA

**Moe, CL**. “Global Challenges in Water, Sanitation, and Health”, Emory University Board of Visitors Seminar, Rollins School of Public Health, April 24th, 2008, Atlanta, GA.

**Moe CL** and J Leon. “Sampling in an Open Environment: Lessons from Field Studies of Produce”, CSL/JIFSAN Symposium – Developing Responses to Emerging Global Food Safety Issues, June 17, 2008, York, England.

**Moe, CL**. “Water, Sanitation and Health”, The Global Clinic: Healthcare Management for Physician Executives, June 26, 2008, Boston, MA

**Moe, CL** and J Leon. “Noroviruses and Shellfish”, Gordon Research Conference on Oceans and Human Health, June 30, 2008, Tilton, NH

**Moe C**, and J Leon. “Assessing Food Safety in Produce Production and Processing at the US-Mexico Border”, International Expert Consultation on Wastewater Irrigation, Consumer Health Risk Assessment, On-Farm and Off-Farm Options for Health Risk Mitigation and Participatory Wastewater Governance in Low-Income Countries. Oct 6, 2008, Accra, Ghana.

**Moe, CL**, J. Leon, V. Cama and P Liu. “Development and Evaluation of Salivary Antibody Assays for Enteric Viruses”, 20th Conference of the International Society for Environmental Epidemiology and the International Society for Exposure Assessment, October 15, 2008, Pasadena, CA.

**Moe, CL**. “EcoSan in Central America: Lessons from the Field” 81st Annual Water Environment Federation Technical Exhibition and Conference (WEFTEC), October 22, 2008, Chicago, IL.

**Moe, CL** “Sanitation Challenges: How can we improve demand, sustainability and health?” 8th Inter American University of Puerto Rico, Center for Environmental Education, Conservation and Research, Biennial Symposium on Potable Water Issues in Puerto Rico: Science, Technology and Regulation. February 19-20, 2009, San Juan, Puerto Rico

**Moe, CL** and P Liu “ Studies of Norovirus Infectivity, Persistence and Reduction” Norovirus Summit II, March 25, 2009, Las Vegas, NV

**Moe, CL** “Disseminating Innovations for the  Common Good: Research in Sanitation Design, Performance and Impact”, Massachusetts Institute of Technology, April 28, 2009

**Moe, CL** “On-Site Excreta Disposal and Market-based Approaches to Improve Access to Household Sanitation”Massachusetts Institute of Technology, April 28, 2009

**Moe, CL**. “Global Challenges in Water, Sanitation and Health”. Meeting of the Achievement Rewards for College Students (ARCS) Foundation May 13, 2009, Atlanta, GA

**Moe, CL** “Water is Medicine:  Safe Water, Sanitation and Global Public Health Challenges”, Capitol Hill Briefing, July 29, 2009, Washington, DC.

**Moe, CL** “Why are Noroviruses Such Successful Pathogens in Healthcare Settings? Studies of Norovirus Infectivity, Persistence and Disinfection”, 50th Annual Conference of the Infection Prevention Society, Sept 21-23, Harrogate, England.

**Moe, CL** “Metro Atlanta Drinking Water: Potential Areas of Vulnerability”, Sustainable Atlanta Roundtable, October 2, 2009, Atlanta, GA

**Moe, CL** “Glittering Bathrooms that Fit Your Pocket: Water, Sanitation and Health for the 21st Century”, Oklahoma University Dream Course on “Water and Sanitation in Remote Villages of Developing Countries”, October 5, 2009, Norman, OK

**Moe, CL** “Water for a Healthy Planet”, Institute of Medicine Annual Meeting, Oct 11-12, 2009, Washington, DC

**Moe, CL** “Small Water Enterprises: Evidence-Based Research”, “Beyond the Pipe: Delivering Safe Water Solutions to Underserved Populations”, Forum hosted by the Safe Water Network, in collaboration with Johns Hopkins Bloomberg School of Public Health’s Center for Water & Health, October 22, 2009, Baltimore, Maryland, U.S.A

**Moe, CL** “Why are Noroviruses Such Successful Pathogens?” ID Research Seminar Series, Department of Medicine, Emory University, February 4, 2010, Atlanta, GA.

**Moe, CL** “The Role of US Universities in Water, Sanitation and Health in Developing Countries, Capitol Hill Briefing, March 3, 2010, Washington, DC.

**Moe, CL** “Glittering Bathrooms that Fit Your Pocket” “Global Diseases: Voices from the Vanguard” Seminar Series, Grady College, University of Georgia, April 13, 2010, Athens, GA.

**Moe, CL** “Recent Studies of Norovirus Infectivity and Reduction” Cruise Industry Public Health Seminar, June 21, 2010, Fort Lauderdale, FL.

**Moe, CL** “Why are Noroviruses Such Successful Pathogens? Studies of Norovirus Infectivity, Persistence and Disinfection” National Institute of Hygiene, Ministry of Health, June 30, 2010, Rabat, Morocco

**Moe, CL** “Exploring the Role of Small, Faith-Based NGOs and Churches in Providing Safe Water to Communities in Developing Countries” Community, Participation, Development: Toward Improved Practice Conference, International Relief and Development and Candler School of Theology. September 30, 2010, Atlanta, GA

**Moe, CL** “Exploring Market-Based Approaches to Promote and Provide Sanitation in Bolivia” Research Symposium, Swedish University of Agricultural Sciences, October 29, 2010, Uppsala, Sweden

**Moe, CL**. “Water Quality Research for Less Developed Regions”, Workshop on “International Development: Water Quality from Source to Mouth”, American Water Works Association Water Quality and Technology Conference, November 14-18, 2010, Savannah, GA

**Moe, CL** “Center for Global Safe Water at Emory: Introduction and Overview”, UNICEF Headquarters, NY, NY. February 23, 2011.

**Moe, CL** “Center for Global Safe Water at Emory and Environmental Health Research”, Third Military Medical University, Chongqing, China, June 30, 2011

**Moe, CL** “Center for Global Safe Water at Emory and Environmental Health Research”, China Three Gorges University, Yichang City, China, July 2, 2011

**Moe, CL** “Glittering Bathrooms that Fit Your Pocket: Assessing Sanitation Demand and Supply in Low-Income Settings” Department of Environmental Health Sciences and The Johns Hopkins Global Water Program Seminar, Johns Hopkins Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD, September 23, 2011

**Moe, CL** “Assessing Microbiological Quality and Risks Associated with Latrine Biosolids” Needs and Directions for Next Generation Water Testing Workshop, Water and Health 2011 Conference, University of North Carolina at Chapel Hill, Chapel Hill, NC, October 3, 2011

**Moe, CL** “Clean Water and Sanitation Systems: Creating Sustainable Solutions”, Global Health Law and Policy Project Roundtable, Emory University School of Law, Atlanta, GA, November 14, 2011

**Moe, CL** “Evolution and Revolution in Water and Sanitation: Atlanta to Accra” Public Health Grand Rounds, Rollins School of Public Health, Emory University, Atlanta, GA, December 9, 2011

**Moe, CL** “How Does Water Affect the Future of Atlanta and Emory? Opportunities and Challenges”, Executive Committee of the Board of Trustees of Emory University, Emory University, Atlanta, GA, January 12, 2012

**Moe, CL**, “Clean Water and Sanitation Systems: Creating Sustainable Solutions – The “S” Talk”, Daniel A. Okun Chapter of Engineers Without Borders, Third Annual Dinner, University of North Carolina, Chapel Hill, NC, January 28, 2012

**Moe, CL** “Evolution and Revolution in Water and Sanitation: Accra to Atlanta”, School of Public Health, University of Ghana at Legon, Accra, Ghana, February 23, 2012

**Moe, CL** “Please Explain Norovirus”, Guest speaker on The Leonard Lopate Show, WNYC Radio, March, 9, 2012

**Moe, CL** “Evolution and Revolution in Water and Sanitation: Atlanta to Accra”, *Water: Global and Local Challenges*, 5th Annual Atlanta Conference of the Committee on Teaching about the United Nations (CTAUN), Georgia State University, Atlanta, GA, March 17, 2012

**Moe, CL** Panelist for opening of “Constructive Interference: a dialogue and exploration on water and sanitation through art and inquiry”, Rollins School of Public Health, Emory University, March 26, 2012

**Moe, CL** “Water, Sanitation, Hygiene and Health: Challenges and Research Needs”. The University of Oklahoma WaTER Symposium, Norman, Oklahoma, September 21, 2012.

**Moe, CL** “Water and Health Challenges in the American South”. Water and Health: Where Science Meets Policy, The University of North Carolina, Chapel Hill, NC, October 30, 2012

**Moe, CL** “Measures of Distribution System Water Quality and Their Relation to Health Outcomes in Atlanta” EPA RESEARCH FORUM:  Advancing Public Health Protection through Water Infrastructure Sustainability, Arlington, VA, April 10-11, 2013

**Moe CL** “The Center for Global Safe Water at Emory University: Overview of the Center’s Research, Global Presence, and Operations”. University of Bath, Bath, England, UK. September 29, 2013

**Moe CL** “The SaniPath Study: Fecal Exposure Pathways in Low-Income Neighborhoods of Accra, Ghana”. London School of Hygiene and Tropical Medicine, October 3, 2013

**Moe CL** “From Evidence to Scale: The Example of Setting up Cost-Effective Monitoring of Fecal Exposure Pathways”. Water, Sanitation and Health Monitoring, Learning and Evaluation Partner Convening. The Bill and Melinda Gates Foundation, Seattle, WA, December 16-17, 2013

**Moe CL** “The SaniPath Study: Consequences of a broken sanitation chain and implications for policymakers in Accra, Ghana” WASH 2014 Conference, Brisbane, Australia, March 24-28, 2014

**Moe CL** “Wading Through the Complexities: The Issue of WASH in Crisis Settings” Josef Korbel School's Center on Rights Development 15th Annual Symposium, University of Denver, Denver, CO, April 3, 2014

Robb KA and **CL Moe** “Sustainable Access to Safe Water in Health Facilities” WHO Workshop on “Meeting the fundamental need for water, sanitation and hygiene services in health facilities”, Madrid, Spain, April 22-23 2014

**Moe CL**. “Water, Sanitation and Hygiene for Healthcare Facilities in Low-Resource Settings” Webinar for UNICEF field staff on Water, Sanitation and Hygiene in Healthcare Facilities. June 18, 2014

Robb K and **CL Moe** “Sustainability Metric for Assessing Safe Water Access in Healthcare Facilities”, 2014 WASH Sustainability Forum, Amsterdam, Netherlands, June 30-July 1, 2014

**Moe CL** “*Healthcare facility-acquired infections (HAI) related to poor WASH*”**,** WASH in Healthcare Facilities Research Workshop, IRC Headquarters, The Hague, The Netherlands, July 2-3, 2014

# **Moe, CL** “*SaniPath Rapid Assessment Tool*”, Expanded water monitoring: Domestic wastewater, faecal sludge management and reuse workshop, London, England July 10-11,

2014

**Moe, CL** “*From Atlanta to Africa: Tackling Global Water and Sanitation Challenges*”, Emory University Board of Visitors, Atlanta, GA, October 23, 2014

**Moe, CL** “*Water, Sanitation and Hygiene: Infrastructure/practices in Healthcare Facilities*” 2014 USAID Infrastructure Workshop. Washington, DC, December 15-19, 2014

**Moe, CL**, S Raj, D Berendes “*Public Health Rapid Risk Assessment Tool*”, Bill and Melinda Gates Foundation-DFID City Partners Meeting and Planning Workshop of Fecal Sludge Management Toolbox, Hanoi Vietnam, January 18, 2015

**Moe, CL**, S Raj, D Berendes and E Perez. “*Public Health Rapid Risk Assessment Tool*” Workshop on Diagnostic Tools and Guidelines for Faecal Sludge Management, with a focus on Faecal Waste Tracking and Public Health, 3rd International Faecal Sludge Management Conference, Hanoi, Vietnam, January 19-23, 2015

**Moe, CL** “*Water, Sanitation and Hygiene Infrastructure and Practices in Healthcare Facilities in Low-Resource Settings: A Neglected Crisis*”, American University of Beirut, Beirut, Lebanon, February 11, 2015

**Moe, CL** “*Norovirus Infections in Travelers*”, Global Burden of Norovirus and Prospects for Vaccine Development, Technical Expert Group Meeting. Atlanta, GA, February 23-25, 2015

**Moe, CL** “*Tools for Assessing WASH Status and Sustainability in Healthcare Facilities*”. Water, Sanitation and Hygiene in Health Care Facilities –Urgent Needs and Action. WHO workshop. Geneva, Switzerland, March 17-18, 2015

**Moe, CL** “*Tackling Global and Local Water Scarcity Challenges*” Environment Georgia Town Hall Meeting, Atlanta, GA, March 30, 2015

**Moe, CL** “*Norovirus-Related Diseases and Disruption in Travel Settings*” Satellite Symposium on ‘Exploring New Vaccine Candidates for Travelers’ Diseases: Norovirus and Dengue Fever’. 14th Conference of the International Society of Travel Medicine, Quebec City, Canada, May 24-28, 2015

**Moe, CL** “*WASH Interventions to Control/Eliminate Typhoid*”, Typhoid Expert Convening, Bill and Melinda Gates Foundation, Seattle, WA, July 28-29, 2015

**Moe, CL** “*SaniPath - Measuring Exposure to Fecal Contamination in Cities*”, Water, Sanitation and Hygiene Measurement, Learning and Evaluation Partners Convening, Bill and Melinda Gates Foundation, Seattle, WA, Aug 3-4, 2015

**Moe, CL** “*The WASH Crisis in Healthcare Facilities in Low-Income Countries:*

*Status, Consequences and Challenges*”. Keynote Address. University of Oklahoma International WaTER Conference, Norman, OK, September 21-23, 2015

**Moe, CL** “*Public Health Career? AKA: Is there life after Swarthmore?*” Presentation at Swarthmore College, Swarthmore, PA, October 27, 2015

**Moe, CL** “*The WASH Crisis in Healthcare Facilities in Low-Income Countries:   
Status, Consequences and Challenges*” WASH in Healthcare Facilities Webinar for World Vision international water and sanitation staff, October 30, 2015.

**Moe, CL**. Panelist and Presenter, “*The WASH Crisis in Healthcare Facilities in Low-Income Countries: Status, Consequences and Challenges***”,** Mercer University Signature Panel: “Water in Africa – Empowering Women Empowers Entire Communities”, Fulbright Association Annual Conference, Atlanta, GA, November 14, 2015.

**Moe, CL**. “*The SaniPath Tool: Assessing Public Health Risks from Unsafe Water, Sanitation and Hygiene Behavior in Poor Urban Neighborhoods*”. Presentation to World Bank Water, World Bank, Washington, DC, December 3, 2015.

**Moe, CL**. “*The SaniPath Tool: Assessing Public Health Risks from Unsafe Fecal Sludge Management in Poor Urban Neighborhoods*”. Presentation to USAID Sanitation Working Group, Arlington, VA, December 3, 2015.

**Moe, CL**. “*Urban Sanitation for the Poor: SaniPath Tool*”. Presentation organized by the Water and Sanitation Program of the World Bank and WaterAid, World Bank Office, Phnom Penh, Cambodia, January 20, 2016

**Moe, CL**. “*The SaniPath Tool: Assessing Public Health Risks from Unsafe Fecal Sludge Management in Poor Urban Neighborhoods*”, India-South Africa Knowledge Sharing Workshop on Sustainable Water Solutions for the Future. Centre for Science and Environment, New Delhi, India, February 4, 2016

**Moe, CL**. “*The SaniPath Tool: Assessing Public Health Risks from Unsafe Fecal Sludge Management in Poor Urban Neighborhoods*”, Presentation to USAID-India, New Delhi, India, February 8, 2016

**Moe, CL**. “*Surrounded by a Sea of Shit: How can exposure assessment guide WASH interventions in slums in developing countries?*” 2016 University of Colorado WASH Symposium, Boulder, CO., March 1-2, 2016

**Moe, CL** “*Facilitating Evidence-Based Solutions for WASH in HCF: Tools to assess and improve WASH Conditions and Sustainability of Safe Water Provision*”. WHO-UNICEF Water Sanitation and hygiene in health care facilities: Technical research workshop and strategic review and accelerated action of global activities. London, United Kingdom, March 21-24, 2016

**Moe, CL** “*Endemic Norovirus Infections in Children and the Elderly,*

*Atlanta, GA, 2009-2013*” NoroCORE Full Collaborative and Stakeholders Meeting, Crystal City, VA, April 13-15, 2016

**Moe, CL** “*The WASH Crisis in Healthcare Facilities in Low-Income Countries: Status, Consequences and Challenges*” Hydropolitics Speaker Series, Office of International Affairs, Ohio State University, Columbus, OH, April 19, 2016

**Moe, CL** “*Surrounded by a Sea of Shit: How can exposure assessment guide WASH interventions in slums in developing countries?*”, Bill and Melinda Gates Foundation, Seattle, WA, April 27, 2016

**Moe, CL** “*The WASH Crisis in Healthcare Facilities in Low-Income Countries: Status, Consequences and Challenges*”. Emory University Emeritus College, Atlanta, GA, May 2, 2016

**Moe, CL** “*The SaniPath Tool: Assessing Public Health Risks from Unsafe Fecal Sludge Management in Poor Urban Neighborhoods*” Developing Urban Sanitation Services for All Training Workshop, WASH Futures 2016 Conference, Brisbane, Australia, May 19, 2016

**Moe, CL** “*The WASH Crisis in Healthcare Facilities in Low-Income Countries: Status, Consequences and Challenges*”. Makerere University School of Public Health, Kampala, Uganda, May 27, 2016

**Moe, CL** “*Assessing Public Health Risks from Unsafe Fecal Sludge Management in Poor Urban Neighborhoods*”. 22nd Sustainable Sanitation Alliance Meeting, Stockholm, Sweden, August 27, 2016

**Moe, CL** “*SaniPath fecal exposure assessment and detection of S. typhi in environmental samples*” Enteric Fever Diagnostics: Planning for Future Success, Les Pensières, Annecy, France, 7-9 February, 2017

**Moe, CL** “*FSM: Consequences for Public Health*” Exchanges of Faecal Sludge Management Coalitions Workshop. Fecal Sludge Management 4 Conference, Chennai, India, February 19, 2017

**Moe, CL** “*The SaniPath Exposure Assessment Too*l” FSM Toolbox Workshop. Fecal Sludge Management 4 Conference, Chennai, India, February 23, 2017

**Moe, CL** “*Center for Global Safe Water, Sanitation, and Hygiene: Who we are and what we do*” Water, Sanitation, and Hygiene Symposium, College of Charleston, Dept of Health and Human Performance, Charleston, SC, March 13, 2017.

**Moe, CL** “*The SaniPath Approach to Fecal Exposure Assessment and Application to Typhoid Transmission*” 10thInternational Conference on Typhoid and Other Invasive Salmonelloses, Kampala, Uganda, April 4-6, 2017

**Moe, CL** “*Surrounded by a sea of shit: risk assessment of fecal exposure in slums*” Retirement Symposium of Dr. Peter Teunis & Dr. Wilfrid van Pelt, National Institute for Public Health and the Environment (RIVM), Ministry of Health, Welfare, and Sport, Bilthoven, The Netherlands, May 30, 2017

**Moe, CL** “SaniPath”, Bill & Melinda Gates Foundation MEDS Convening, Patna, Bihar, India, November 5-10, 2017.

**Moe, CL** *“Evidence Can Change Practice! A Success Story in Ghana”*WHO and UNICEF “WASH in Health Care Facilities: the Basis for Quality Care” Strategic Meeting, Geneva, Switzerland, 8-9 May 2018

**Moe, CL** *“WASH in Healthcare Facilities: It’s Complicated!”*, CDC Tuesday morning seminar, Atlanta, GA, June 5, 2018

**Moe, CL** *“Exploring links between WASH infrastructure and IPC practices, environmental contamination, and neonatal sepsis in Cambodia, Ethiopia, and Uganda”, USAID Workshop on Strengthening Infection Prevention and Control for Mothers and Newborns”*, Washington, DC, June 11-12, 2018.

**Moe, CL** *“What is the risk of exposure to fecal contamination in the urban environment?”* Faecal waste and its mysterious movement through urban ecosystems. Stockholm World Water Week, Stockholm, Sweden, August 28, 2018

**Moe, CL** *“Examining Exposure to Fecal Contamination in Low-Income Urban Environments: Findings from the SaniPath Exposure Assessment in Seven Cities”* Swedish University of Agricultural Sciences, Uppsala, Sweden, September 4, 2018.

**Moe, CL** “*SaniPath*” WSH MEDS Convening, Dakar, Senegal, September 23-28, 2018.

**Moe, CL**, Y Wang, S. Raj. “The SaniPath Study” World Toilet Day event at Emory University, Rollins School of Public Health, Atlanta, GA. November 19, 2018.

**Moe CL**. “WASH in Healthcare Facilities: A Neglected Crisis”. World Water Day event at Emory University. Atlanta, GA, March 19, 2019.

**Moe, CL**. “Development and Application of Pilot Salmonella Typhi in Environmental Surveillance Program in Kolkata, India”. 11th International Conference on Typhoid and Other Invasive Salmonelloses. Hanoi, Vietnam, March 26-28, 2019

**Moe, CL.** “Assessment of Exposure to Fecal Contamination in Informal Settlements and Formal Neighborhoods of Siem Reap, Cambodia”. Cambodian Ministry of Public Works and Transport. Department of Sewage Management and Construction Development, Phnom Penh, Cambodia, April 1, 2019.

**Moe, CL**. “Examining Exposure to Fecal Contamination in Low-Income Urban Environments: Findings from SaniPath Exposure Assessments in Seven Cities”. The Emerging Pathogens Institute Seminar Series, University of Florida, Gainesville, FL, April 12, 2019

**Moe, CL**. “Examining Exposure to Fecal Contamination in Urban Environments: the SaniPath Exposure Assessment in Multiple Low-Income Cities.” Convening of an Expert Group to Review Current Methods and Explore New Approaches to Assessing Exposure to Fecal Contamination. September 25-26, 2019, Atlanta, GA

**Moe, CL** “Emory University Synergy Study in Ethiopia – Preliminary Results” 2019 Water and Health Conference: Where Science Meets Policy, October 28, 2019, Chapel Hill, NC

**Moe, CL** “WASH in Healthcare Facilities: WHO-UNCEF Global Initiative” MEDS Convening, Bill & Melinda Gates Foundation, October 27-November 1, 2019, Siem Reap, Cambodia

**Moe, CL** “SaniPath” MEDS Convening, Bill & Melinda Gates Foundation, October 27-November 1, 2019, Siem Reap, Cambodia

**Moe, C**L “Environmental surveillance to assess public health risks using digital health toolkit SaniPath” 22nd National Health Sciences Research Symposium, November 15-17, 2019, Aga Khan University, Karachi, Pakistan (via video link).

**Moe, CL** and J Cranmer. “Defining the Impact of Hospital Water, Sanitation, and Hygiene Infrastructure and Practices on Neonatal Hospital-Acquired Sepsis in Amhara, Ethiopia” Invited presentation to the CHAMPS Study Team, Nov 19, 2019, Atlanta, GA

**Moe, CL** and J Cranmer. “Defining the Impact of Hospital Water, Sanitation, and Hygiene Infrastructure and Practices on Neonatal Hospital-Acquired Sepsis in Amhara, Ethiopia” Invited presentation to Pediatric Global Health Residents Quarterly Didactic Meeting, Emory University, January 15, 2020, Atlanta, GA

**Moe, CL**, S. Raj, and H Yakubu. “Examining Exposure to Fecal Contamination”, PRO-WASH, WASHPaLS and the Clean, Fed and Nurtured Coalition webinar series, Part 3: Rethinking WASH indicators to understand and address environmental contamination and improve child growth. May 26, 2020

**Moe, CL** “SaniPath Exposure Assessment of Faecal Contamination in Urban Residential Environments”. Centre for Science and Environment (CSE) and WaterAid South Asia - Webinar “Safe Water, Sanitation and Health for All During and Post COVID-19” July 7, 2020.

**Moe, CL**, H. Yakubu, S. Raj, Y. Wang, The SaniPath Study. Presentation to WSH Team of the Bill & Melinda Gates Foundation “Lunch and Learn Series” October 20, 2020

**Moe, CL** and P. Liu. “COVID-19 Wastewater Surveillance Using Moore Swabs at an Institutional Level” 2020 UNC Water and Health Conference: Where Science Meets Policy, October 26, 2020, VIRTUAL CONFERENCE

**Moe CL** and S Raj. “The SaniPath Tool” Part of a session entitled “Global Tools for Safe Sanitation” December 12, 2020. Presented as part of a online certificate course on “Leadership Development for City Wide Inclusive Sanitation” jointly offered by Administrative Staff College of India (ASCI) and Asian Development Bank Institute (ADBI).

**Moe, C**L Keynote Address: “What Opportunities Lie in the Improved Cooperation between Water, Food and Public Health Sectors” 2021 IWRA (International Water Resources Association, June 8, 2021. VIRTUAL CONFERENCE

**Moe CL,**  **Seydina O. Sene and H Yakubu.** “Environmental and Public Health” Part of session entitled “Citywide Inclusive Sanitation: How far have we come and where are we headed?” Stockholm World Water Week 2021. Aug 23-27, 2021. VIRTUAL CONFERENCE

**Moe, CL** and M Wolfe. “Wastewater Surveillance for COVID-19 and Other Infectious Diseases” The RADx Tech Webinar Series, NIH, Consortia for Improving Medicine with Innovation & Technology. May 17, 2022 VIRTUAL WEBINAR

**Moe, CL.** “SaniPath: Assessing Risk of Exposure to Fecal Contamination in Urban Environments” Pathogen Flows Workshop, Bill & Melinda Gates Foundation, May 24-25, 2022, Seattle, WA

**Moe, CL**, S Raj, and H Yakubu. “SaniPath: Using real-time evidence to make public health impact” Presentation to World Bank Brown Bag Lunch session. June 8, 2022. VIRTUAL WEBINAR

**Moe, CL**. “Assessing Public Health Risks from Unsafe Fecal Sludge Management using SaniPath Exposure Assessment Tool” Asian Development Bank TA-6612 REG: COVID-19 Infection Prevention and Control through an Integrated WASH+H Approach, Mid-term Stocktaking Workshop, June 14, 2022. VIRTUAL MEETING

**Moe, CL** “Environmental Surveillance for COVID-19 and other Infectious Diseases” Asian Development Bank Knowledge Session. November 7, 2022, Manila, Philippines

Moe, CL “Wastewater-Based Disease Surveillance in Sewered and Non-Sewered Settings” Africa Centers for Disease Control, May 19, 2023. VIRTUAL MEETING

**Moe, CL** “Typhoid Fever – Not Just a Waterborne Disease”. Session 11204 “Bridge over troubled waters: Improving water systems to combat typhoid “ Stockholm World Water Week 2023, August 22, 2023. VIRTUAL SESSION

**Moe, CL** “Key Learnings from Environmental Surveillance in Six Countries”. Consultative Workshop on Development of Continental Strategies for Molecular and Genomic Environmental Surveillance in Africa. September 26, 2023, Cape Town, South Africa

**Moe, C**, P Liu, and S Durry. “Wastewater-Based Epidemiology (WBE) for SARS-CoV-2 in Metro Manila”. Asian Development Bank Knowledge Sharing Meeting, November 7, 2023, Manila, Philippines

**Moe, C**, “Comments on my Career as a Woman Scientist”, Meeting of the Emory University Chapter of the Association of Women in STEM. April 4, 2024, Atlanta, GA