

# **EPA SYMPOSIUM ON GROUNDWATER-BORNE INFECTIOUS DISEASE, ETIOLOGIC AGENTS AND INDICATORS**

(First Circular and Call for Additional Speakers)

**DECEMBER 2, 3 AND 4, 2008  
AT THE CARNEGIE INSTITUTE OF WASHINGTON  
1530 P ST. NW  
WASHINGTON DC**

## *Ground Water Epidemiology*

- 1. High-Throughput High-Volume Virus Testing of Drinking Water: Protocols and Issues**, Susan K. Spencer, Marshfield Clinic Research Foundation, Marshfield, WI (30 minutes)
- 2. Community-Wide Intervention with UV Disinfection for Estimating Risk of Viral Illness from Groundwater Consumption**, Mark A. Borchardt, Marshfield Clinic Research Foundation, Marshfield, WI (60 minutes)
- 3. Risk Assessment of Acute Illness from Virus Intrusions into Distribution Systems**  
Frank Loge and Elisabetta Lambertini, University of California - Davis, Davis, CA (45 minutes)
- 4) The Epidemiology and Microbial Risk Assessment (EMIRA) Study, 1998-1999, France**, Dr. Pierre Le Cann (and perhaps Prof. Denis Zmirou-Navier), France School of Public Health, Nancy University, France (45 minutes)
- 5) Seven-year Longitudinal Study at Walkerton Ontario; The Walkerton Health Study**, William Clark, University of Western Ontario (45 minutes)
- 6) A Population-based Study of Health Outcomes in American Indian Communities Using Ground Water**, Yvonne Yuen, Public Health Fellow at US EPA (30 minutes)

*Infectious Disease Transmission and Occurrence Models*

7) **The Potential Implications of Person-to-Person Transmission of Viral Infection to US EPA's Groundwater Rule**, Jeff Soller, Soller Environmental (30 minutes)

8) **Enteric Virus and Fecal Indicator Occurrence in Ground Water Sources of Public Drinking Water**, Mike Messner, US EPA (30 minutes)

9) **Microscopical Indicators Used for Warning of Contamination in Drinking Water (two case studies of outbreaks)**, Andrea Torok, National Institute for Environmental Health, Budapest, Hungary (30 minutes)

*Pathogen Occurrence and Transport*

10) **Challenges to Predicting Microbial Transport Distances in Porous Media Under the Simplest Environmental Conditions: Crawling Before We Walk**, William P. Johnson, University of Utah (30 minutes)

11) **Groundwater Microbiological Quality in Canadian Drinking Water Municipal Wells**, Annie Locas, INRS Quebec (30 minutes)

12) ***Arcobacter spp.*, a Poorly Known Group of Bacteria Already Associated with Two Well-water Outbreaks in the USA**, Maria Jose Figueras, Univ. Rov. Virg., Reus, Spain (30 minutes)

13) **Determination of Protection Zones for Dutch Groundwater Wells Against Virus Contamination – Uncertainty and Sensitivity Analysis**, Jack Schijven, RIVM The Netherlands (30 minutes)

14) **Noroviruses in Groundwater: Outbreak Investigations and Risk Characterization**, Kellogg Schwab, The Johns Hopkins University Bloomberg School of Public Health (30 minutes)

15) **Characterization and Modeling of Pathogen Risks in Groundwater of First Nations Communities**, Asit Mazumder, University of Victoria, British Columbia (30 minutes)

16) ***Cryptosporidium* Infection and Onsite Wastewater Disposal Systems in the Arid Southwest**, Kristine Tollestrup, University of New Mexico (30 minutes)

17) **Transport of *E. coli* in Saturated Porous Media**, Dr. Jan Willem Foppen, UNESCO-IHE Delft, The Netherlands (30 minutes)

18) **Viruses in US Ground Water: Hydrogeological and Methodological Data Gaps**, Dr. Shay Fout, US EPA (30 minutes)

19) **Gastrointestinal Pathogens in Patients with AGI and Controls from Maryland, Connecticut and Minnesota**, Dr. Jon Mark Hirshon, University of Maryland (30 minutes)

20) **Microbial groundwater quality and its health implications for border-strip and spray irrigated dairy farm catchments in South Island, New Zealand**, Murray Close, Christchurch Science Center, New Zealand (30 minutes)

Public Scientific Forum, All Are Welcome, Seating Available for 400

To Contribute a Presentation or Otherwise Participate, Please Contact:

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