



a U.S. EPA and DHS Center of Excellence



Center for Advancing Microbial Risk Assessment

# QUANTITATIVE MICROBIAL RISK ASSESSMENT SUMMER INSTITUTE

AUGUST 15-21, 2009 MICHIGAN STATE UNIVERSITY

This week long institute, held on the Michigan State University campus, aims to teach participants about the tools and skills needed to quantitatively assess microbial risks to human health in various situations in the indoor and outdoor environment. Participants will learn how to use risk assessment for assuring safety and health goals using scientific data and computer analysis. Designed for graduate students and professionals in fields such as engineering, microbiology, epidemiology, medicine, public health, nursing, veterinary medicine, and emergency preparedness, students will gain hands-on experience with risk assessment software and work on real-world case studies.

### Topics covered include:

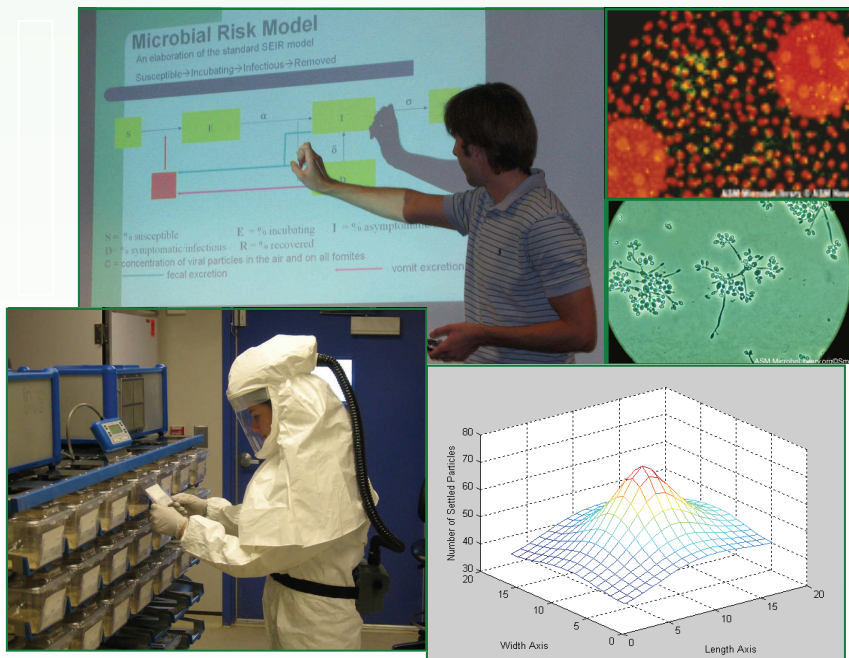
- Hazard identification
- Methods of microorganism detection
- Microbial dose-response models
- Exposure assessment
- Pathogen fate and transport
- Infectious disease transmission modeling
- Risk characterization and management
- Risk communication
- Computer models for risk assessment

### To apply, visit:

[www.camra.msu.edu/workshops](http://www.camra.msu.edu/workshops)

### About CAMRA

The Center for Advancing Microbial Risk Assessment (CAMRA) is an interdisciplinary research center established to develop scientific knowledge on the fate and risk of high priority infectious agents, including those which could be used for bioterrorism. CAMRA has twin missions: (1) to develop sets of models, tools and information that will be used in credible risk assessments to reduce or eliminate health impacts from the deliberate use or accidental spread of biological agents in indoor and outdoor environments and (2) to build a national network for knowledge management, learning, and transfer of microbial risk assessments for scientists, students, and professionals in the field and in our communities.



The 2009 QMRA Summer Institute is sponsored by



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