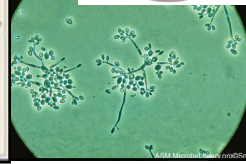
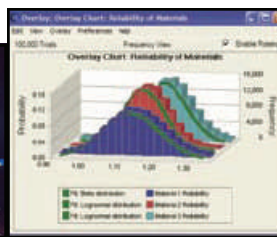
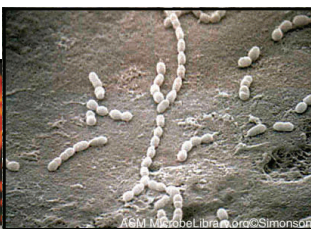
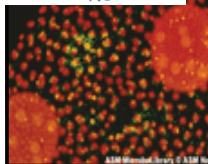




## Center for Advancing Microbial Risk Assessment A U.S.EPA and DHS Center of Excellence



# 3<sup>rd</sup> Quantitative Microbial Risk Assessment Summer Institute

August 10-15, 2008 Michigan State University  
Preworkshop Statistics Workshop: Excel, Matlab August 9th;  
Crystal Ball, Madona August 10th

This week long Quantitative Microbial Risk Assessment Summer Institute (QMRA SI) held on the Michigan State University campus aims to teach participants tools and skills to quantitatively assess microbial risk to human health in various situations in the indoor and outdoor environment. Participants will learn how to use scientific data and computer programs towards building a risk assessment for assuring safety and health goals. 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 for microorganisms detection
- Dose response
- Exposure assessment & Transport and Fate
- Infectious disease transmission modeling
- Risk characterization & management
- Risk Communication "what is safe?"
- Computer models for risk assessment

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

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

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This QMRA Summer Institute 2008 is sponsored by

