Quantitative Microbial Risk Assessment
Interdisciplinary Instructional Institute
July 9-19, 2018
The Ohio State University
Columbus, OH

About the Program:

The Quantitative Microbial Risk Assessment Interdisciplinary Instructional Institute (QMRA III) is a 10-day workshop designed for advanced graduate students, post-doctoral fellows and early career professionals to assimilate scientific data and implement computer programs towards building a risk assessment for assuring safety and health goals. Participants will gain hands-on experience with risk assessment software and work on real-world case studies. The fourth annual QMRA III will be held at The Ohio State University.

COURSE OBJECTIVES:
Obtain skills to perform microbial risk modeling through:
- Attending lectures from top scientists in the QMRA field
- Engaging in specific hands-on exercises
- Collaborating within multidisciplinary teams to conduct a research case study under the mentorship of a program faculty member and teaching assistant.
- Using and contributing to the QMRAwiki (http://qmrawiki.canr.msu.edu/)

COURSE TOPICS:
- Statistics in risk assessment
- Probabilistic uncertainty analysis
- Use of genomics in QMRA
- Emerging pathogens and diseases of global and clinical significance
- Use of epidemiological data in QMRA
- Multiple media fate and transport models
- Environmental infectious disease transmission modeling
- Dose-response modeling
- Risk perception, communication and management
- And more...

Application period: January 22, 2018 to March 30, 2018 at: https://events.anr.msu.edu/QMRAIII2018/
Program Contacts: Dr. Jade Mitchell and Dr. Mark H. Weir at: QMRAIII@anr.msu.edu

- Registration fee for QMRAIII is $225
- Multiple occupancy student dorms will be provided for lodging
- Breakfast will be provided each day along with a few group meals
- Participants are expected to cover their travel cost
- Four travel awards will be provided based on financial need

Tutorials on computer models and applications for risk assessment (i.e. R Programming, Crystal Ball, MATLAB, etc.) will be included as part of the program.

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