

# GEMS

*Genetics and Environmental Mutagenesis Society*

## *Annual Spring Meeting*

April 24, 2012

EPA-RTP Campus, 109 T.W. Alexander Drive, RTP, NC 27711

### EMERGING ENVIRONMENTAL ISSUES

- 8:00 AM – 8:45 AM Registration and Continental Breakfast
- 8:45 AM - 9:00 AM Welcome: Nagu Keshava, Ph.D., GEMS President  
Introductions: Lyle Burgoon, Ph.D., GEMS President-elect
- 9:00 AM – 9:40 AM **Shale Gas, Hydraulic Fracturing, and Environmental Health**  
*Robert B. Jackson, Ph.D., Duke University*
- 9:40 AM -10:20 AM **Old? New? Different? Nanotechnologies: What Makes Them Toxic?**  
*Martin Philbert, Ph.D., University of Michigan*
- 10:20 AM – 10:40 AM Coffee Break
- 10:40 AM – 11:20 AM **Biofuels Statewide: Millions of Gallons. Also Landscape-changing, No Small Task, and Civic Responsibility.**  
*W. Steven Burke, Biofuels Center of North Carolina*
- 11:20 AM – 12:00 PM **Disinfection byproducts in drinking water: Human health risks and risk management options**  
*Detlef Knappe, Ph.D., North Carolina State University*
- 12:00 PM – 1:15 PM Lunch Break (*Lunch Provided*)
- 1:15 PM – 2:00 PM **The Future of Environmental Data: Why You Should Care About Scientific Data Management**  
*David Lyons, U.S. Environmental Protection Agency*
- 2:00 PM – 2:30 PM Concluding Remarks  
*Lyle Burgoon, Ph.D., U.S. Environmental Protection Agency*