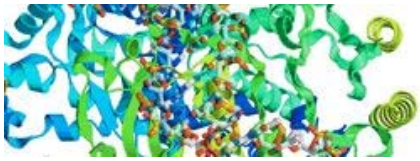

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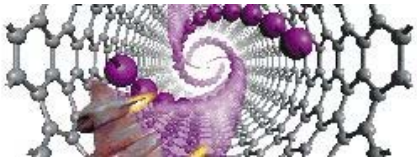

BESD Seminar Series Announcement

"Biogeochemical Controls on Mercury Methylation: An Overview Across Ecosystems"

Dr. Cynthia Gilmour

Smithsonian Environmental Research Center
Edgewater, MD

Friday, January 16, 2009
10:00 a.m.
Building 1505, DJ Nelson Auditorium

Dr. Cynthia Gilmour is a Senior Scientist at the Smithsonian Environmental Research Center in Edgewater, Maryland. She is a microbial ecologist and biogeochemist by training, with a BA in Biochemistry from Cornell, and a Ph.D. from the University of Maryland, Marine Estuarine and Environmental Sciences Program. Her research program in mercury cycling focuses on the biogeochemical controls on methylmercury production. Field studies by the Gilmour group and colleagues have illustrated the enhancement of Hg methylation by sulfate in many freshwater systems, including lakes impacted by acid deposition, and the Florida Everglades where agricultural sulfate enhances net mercury methylation. She is one of a group of principal investigators on the METAALICUS, a whole-watershed Hg- loading experiment, being conducted at the Experimental Lakes Area in Ontario. Recent work on mercury in Chesapeake Bay and the adjacent continental shelf has highlighted the importance of methylmercury production in coastal zones to ocean methylmercury budgets. She has served on the EPA Science Advisory Board, Chesapeake Bay Program Scientific and Technical Advisory Board, and the CALFED Mercury Studies Program.

Host: Tony Palumbo (palumboav@ornl.gov), 576-8002

If you would like to meet with Dr. Gilmour, please contact Karen Popham at 574-7375 or pophamkl@ornl.gov.