

Agenda
Subsurface Biosphere Initiative
Summer Workshop
La Sells Stewart Center, OSU
Ag Science Room
July 23-24, 2009

Day 1 - Thursday

- 8-8:30 AM **Continental Breakfast**
- 8:30-8:45 **Lew Semprini**, Distinguished Professor of Environmental Engineering and SBI Executive Committee Chair, OSU
Opening Remarks
- 8:45-9:45 **Rich Phillips**, Assistant Professor, Indiana University
Root effects on carbon and nutrient cycling in forests exposed to elevated CO₂: In need of a new paradigm?
- 9:45-10:15 **Anne Taylor**, Post-Doc Research Associate, Crop and Soil Science, OSU, and **Neeraja Vajjala**, research associate, Molecular and Cellular Biology, OSU.
Identifying the relative contributions of ammonia-oxidizing archaea and bacteria to nitrification
- 10:15-10:30 **Break**
- 10:30-11:30 **Kate Lajtha**, Professor, Botany and Plant Pathology, OSU
Littering in the forest, playing with DIRT: Detrital manipulations to study soil organic matter dynamics
- 11:30-12:00 **Richard Cooley**, PhD student, Biochemistry and Biophysics, OSU
Alkane metabolism in natural gas: Ignoring the obvious to focus on the obscure
- 12 NOON-1:00 PM **Box Lunches**
- 1:00-2:00 **Julie Pett-Ridge**, Assistant Professor, Crop and Soil Science, OSU
Impacts of eolian dust deposition on terrestrial nutrient cycling
- 2:00-2:30 **Gaurav Saini**, PhD student, Environmental Engineering OSU
Role of heterogeneity in biopolymer length and distribution on bacterial adhesion

2:30-3:00	Ellen Swogger , PhD student, Environmental Engineering, OSU <i>Nitrosomonas europaea biofilms exposed to phenol and toluene</i>
3:00-3:15	Break
3:15-3:45	Nizar Mustufa , PhD student, Environmental Engineering, OSU <i>Thermodynamic constraints on anaerobic reactions influencing the reductive dechlorination of CAHs in continuous flow systems</i>
4:00-5:00	Introduction of Posters (~1-2 min. ea.) Poster Session
5:00-5:30	Break before social/dinner
~5:30-6:30	Social Hour , CH2M Hill Alumni Center Patio (north of La Sells)
~6:30 – 7:45	Dinner , CH2M Hill Alumni Center Patio
8:00-10:00	Karmen Fore , District Director, Congressman Peter DeFazio <i>Science Funding and Stimulus Funding</i> Poster Session

Day 2 - Friday

8 - 8:30 AM	Continental Breakfast
8:30-9:30	Brad Tebo , Professor and Division Head, Division of Environmental and Biomolecular Systems, OHSU <i>Molecular geomicrobiology of bacterial manganese(II) oxidation</i>
9:30-10:00	Radu Popa , Associate Professor, Biology, PSU. <i>Microbial abundance and diversity in the volcanic sea floor of the Juan de Fuca Ridge</i>
10:00-10:15	Break
10:15-11:15	Roy Haggerty , Professor, Geosciences, OSU <i>Resazurin as a 'smart' tracer for quantifying metabolic activity in the subsurface: Development as a stream tracer</i>
11:15-11:45	Brandon Briggs , PhD student, Marine Geology and Geophysics, COAS, OSU <i>Subseafloor macroscopic biofilms involved in anaerobic oxidation of methane</i>