

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

**Azizian, Mohammad, Lewis Semprini**

*Comparison of lactate, formate, and propionate as hydrogen donors for the reductive dehalogenation of Trichloroethene in a continuous-flow column*

**Berggren, Dusty, Mohammad Azizian, and Lewis Semprini**

*Kinetic comparisons of hemostat-grown dechlorinating cultures*

**Bottomley, Peter, Lydia H. Zeglin, Anne E. Taylor, and David D. Myrold**

*Distribution and diversity of ammonia-oxidizing archaea and bacteria in soils along an upland to lowland transect receiving either high or low N inputs*

**Keiluweit, Marco, Markus Kleber**

*Beyond physisorption: the role of aromatic pi-systems in the attachment of organic matter to mineral surfaces*

**Myrold, D.D., J.H. Blanchard, L.A. Kluber, and P.J. Bottomley**

*Dynamics of microbial communities associated with ectomycorrhizal mats*

**Radniecki, Tyler, Caslin Gilroy, Lewis Semprini**

*Linking NE1545 expression with cell size changes in Nitrosomonas cells exposed to aromatic hydrocarbons*

**Saini, Gaurav, Nicole Nasholm, and Brian D. Wood**

*Effect of growth and starvation on adhesion potential of bacteria*

**Sean Sandborgh, Mark Dolan**

*Development and fitting of a model for inhibition of Nitrosomonas europaea by cadmium*

**Schaerer, Morgan, Mark Dolan**

*Silver Inhibition of Nitrosomonas europaea*

**Stankus Dylan**

*A novel method for obtaining adsorption isotherms of nanoparticle suspensions*

**Taylor, Anne E., Sandra Dooley, David D. Myrold and Peter J. Bottomley**  
*Separating the relative contributions of ammonia-oxidizing archaea and bacteria to soil nitrification*

**Vajrala, Neeraja, Luis Sayavedra-Soto, Peter J Bottomley and Dan Arp**  
*Transcript profiling of *Nitrosomonas europaea* under iron-limited conditions*

**Woolverton, Priscilla, Maria Dragila, and Markus Kleber**  
*Plants Need Water: Identifying a Physical Measure for Soil Wettability*

**Zeglin, L. H., L. A. Kluber, D. D. Myrold**  
Organic nitrogen cycling in mycorrhizal and non- mycorrhizal organic soils in an old-growth Douglas-fir forest