The four hundred and ninth meeting of the American Chemical Society Susquehanna Valley Section will be held at 7:30 PM on Wednesday, April 17th in Room 128A/B of the Natural Sciences Center (‘New Science Building’ on the campus map) on the campus of Susquehanna University in Selinsgrove, PA. The speaker will be Dr. Scott Phillips from Pennsylvania State University.

"New Reagents and Assay Strategies for Point-of-Care Diagnostics"

Dr. Scott Phillips
Assistant Professor of Chemistry
Pennsylvania State University

Few thermally-stable reagents are available for diagnostic applications in resource-limited environments such as the developing world. This presentation will describe the design of several new small molecule reagents as well as unique assay strategies that provide the features of selectivity, sensitivity (via signal amplification), quantitative readouts, and ease of use.

Scott Phillips is the Martarano Assistant Professor of Chemistry at The Pennsylvania State University. He earned his Ph.D. from Paul A. Bartlett at UC Berkeley in 2004 and then trained as a postdoctoral fellow in George Whitesides’ group (Harvard). He started his independent career at Penn State in 2008. His research interests include: (i) developing thermally stable detection and signal amplification reagents for use in point-of-care diagnostics; (ii) developing exceedingly inexpensive but high performance diagnostic devices for use in resource poor environments in the developing world; and (iii) designing new classes of stimuli-responsive plastics that display amplified and autonomous responses to external chemical and physical signals. He has been recognized for his achievements by the Beckman Foundation, the Camille & Henry Dreyfus Foundation, DARPA (Young Faculty Award), 3M, NSF (CAREER), Popular Mechanics, the Alfred P. Sloan Foundation, Eli Lilly, Thieme Chemistry, and others.

DINNER AND RECEPTION: The lecture will be preceded by dinner at 5:30 PM at BJ’s Steak and Rib House located at 17 North Market Street, Selinsgrove, Pennsylvania. RSVP to Renuka Manchanayakage at manchanayakage@susqu.edu or 570-372-4608 by 4:00 P.M. on Monday, April 15, 2013. Dinner will be ordered from the menu. Directions to BJ’s Steak and Rib House can be found at http://www.bjsrhibs.com/locations.cfm

DIRECTIONS TO SUSQUEHANNA UNIVERSITY:

From Route I-80 West:
Take the Danville exit, 224. Take route 54 east to Route 11 south towards Selinsgrove. Continue left on Route 11/15 south (continue as directed below from Route 11/15).

From Route I-80 East:
Take the Lewisburg exit, 210A. Take Route 15 south towards Selinsgrove. Turn right onto Route 11/15 south (continue as directed below from Route 11/15).

A campus map can be found at: Susquehanna University Campus Map, (the Natural Sciences Center/New Science Building (# 69) is designated with the arrow on the map below):