

Physical Chemistry Seminar

Tuesday,
February 11, 2014

11:00 am

Room 1315
Chemistry Building

Chemical reactivity and the Hofmeister series: Towards a unified view of acids, bases, and ions at the air—water interface



Dr. Christopher J. Mundy
Chemical Physics & Analysis
Pacific Northwest National Laboratory

Host: Professor Jim Skinner

The Hofmeister series remains one of the oldest problems in statistical mechanics. Providing a microscopic framework that provides a unified picture of the driving forces of ions to the air-water interface remains elusive. I will present our recent progress in this very exciting area and how ab initio methods, based in density functional theory, in conjunction with experiment can help untangle some of the mystery behind the specific-ion effect.

Refreshments will be available prior to the seminar at 10:45 a.m. outside room 1315

Graduate Students may meet with the speaker at 1:00 p.m. in Room 8335