Physical Chemistry Seminar

Tuesday, November 4, 2014 | **11:00 am** | **Room 1315 Chemistry Building**

Studying Aerosols, One Particle at a Time

Professor Jonathan P. Reid

School of Chemistry
University of Bristol

Host: Professor Gil Nathanson

Aerosols play a significant role in the atmosphere, representing one of the largest uncertainties in understanding climate change and influencing human health. They also find widespread application in the delivery of drugs to the lungs, the atomisation of fuels for combustion and in the fabrication of microparticles. Rapid interactions with the surrounding gas phase lead to particle sizes and compositions that are highly dynamic. We will explore how the dynamics of fundamental aerosol processes, such as the evaporation/condensation of water and the interaction/coalescence of particles, can be probed at the single particle level using a variety of novel laser based techniques.

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 8305F