Postdoctoral Position: Developing Novel Nanoparticle Spectroscopies for Environmental Chemistry at UC San Diego

The Center for Aerosol Impacts on Climate and the Environment (CAICE) in the Department of Chemistry and Biochemistry at the University of California, San Diego is currently looking for a highly motivated and talented individual for a Postdoctoral Fellow position. The fellow will conduct research under the supervision of Profs. Wei Xiong and Robert Continetti. The research focus for this position is highly interdisciplinary. The fellow will develop novel time-resolved spectroscopic techniques to study the surface properties, morphology of isolated nanoparticles in the gas phase under the impact of radiation. Experimental techniques including aerodynamic lens systems and electrodynamic balances will be used to prepare isolated gas-phase aerosols for investigation. Individuals with experience in areas including ultrafast spectroscopy, ultrahigh vacuum techniques, molecular beams and radiofrequency ion traps are strongly encouraged to apply. The fellow will also have the opportunity to practice leadership, collaboration and communication skills by mentoring graduate and undergraduate researchers as well as establishing collaborations with other CAICE scientists.

This position is currently available, the start-date is flexible, but an early start is preferred. The initial appointment will be on one-year basis, with the opportunity for renewal contingent on funding and performance. A Ph.D in chemistry, physics, environmental science or related engineering fields is required. To apply, please email as a pdf your C.V., a letter of interest, and the names of three references to w2xiong@ucsd.edu, and rcontinetti@ucsd.edu. Applications will be accepted until the position is filled.