

Post-Doctoral Position in
X-ray Scattering Studies of Heterogeneities at Liquid Surfaces and Interfaces

Chemistry and Material Sciences Center for Advanced Radiation Sources
(NSF's ChemMatCARS), University of Chicago

Applications are invited for a post-doctoral scholar position with the University of Chicago Center for Advanced Radiation Sources (CARS) to study heterogeneities at liquid surfaces and interfaces. Although synchrotron x-ray techniques have been used successfully to characterize homogeneous liquid surfaces and interfaces, the study of heterogeneities on the nanoscale requires new approaches which will be investigated in this position. This experimental program will utilize the ChemMatCARS liquid interface x-ray scattering facility at Sector 15 of the Advanced Photon Source (APS), Argonne National Laboratory (ANL). The successful applicant will also participate in supporting the general user program in liquid surface and interface scattering at ChemMatCARS. Applicants should have or be about to obtain a recent Ph.D. in experimental studies of soft or condensed matter physics, physical chemistry, or a closely related field. Prior experience with synchrotron x-ray scattering, strong experimental skills, scientific initiative, excellent communication skills, and the ability to work well with others are preferred. The ability to satisfy requirements to work at Argonne National Laboratory is required.

The anticipated duration of this position is two to three years, though extension beyond the first year will be by mutual consent. Review of applications will begin on March 15, 2019 and continue until the position is filled. Interested individuals should send a resume and arrange to have two letters of reference sent to Dr. Binhua Lin (lin@cars.uchicago.edu) of the University of Chicago and Prof. Mark Schlossman (schloss@uic.edu) of the University of Illinois at Chicago.

NSF's ChemMatCARS, funded by the NSF and operated by the University of Chicago, is a national synchrotron facility at APS (ANL) to investigate dynamic and structural properties of interest to chemical, materials, and physical scientists (see

<https://chemmatcars.uchicago.edu>). The University of Chicago is an affirmative action/equal opportunity employer.