

**Post-Doctoral Position in Small-Angle X-ray Scattering Studies of Materials
at Material Sciences Center for Advanced Radiation Sources (ChemMatCARS),
University of Chicago**

We invite applications for a post-doctoral scholar position with the University of Chicago Center for Advanced Radiation Sources (CARS) to study the microstructure of materials. This experimental program will utilize the ChemMatCARS small-angle and ultra-small angle x-ray scattering techniques facility at the Advanced Photon Source (APS), Argonne National Laboratory (ANL). The successful applicant will propose research program suitable for these techniques in the area with potential for growth of user community. He/she will also participate in the development and operations of a general user program at ChemMatCARS in the small-angle scattering area.

Applicants should have a recent Ph.D. with significant experience in experimental research in condensed matter physics or physical chemistry. Prior experience with small-angle x-ray or neutron scattering is preferred, but experimental ability and initiative are equally important.

Documented hands on experience in scientific programming – preferably using Igor Pro, Java, Python, or C++ - is also useful. Excellent communication skills and the ability to work well with others are required. Ability to satisfy requirements to work at Argonne National Laboratory is required.

The initial appointment will be for one year, renewable for one or two additional years. Review of applications will begin on March 1, 2010, and continue until the position is filled. Interested individuals should send a resume, proposal with suitable research program (not to exceed 10 pages), and arrange to have two letters of reference sent to Dr. Jan Ilavsky (ilavsky@aps.anl.gov) of the Advanced Photon Source.

ChemMatCARS, funded by the NSF and DOE and operated by the University of Chicago Center for Advanced Radiation Sources, is a national synchrotron user facility at APS (ANL) to investigate dynamic and structural properties of interest to materials scientists and chemists (see <http://cars9.uchicago.edu>). The University of Chicago is an affirmative action/equal opportunity employer.