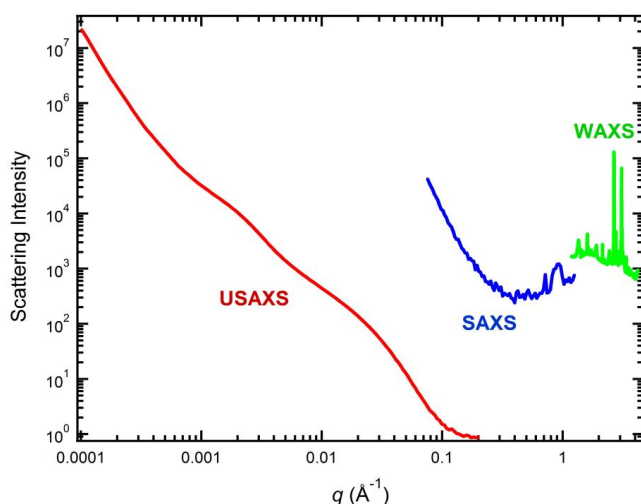


## Post-Doctoral Position

### Small-Angle X-ray Scattering Studies of Materials @ APS 9ID USAXS/SAXS/WAXS instrument

We have opened a post-doctoral position at the Advanced Photon Source (APS) ultra-small angle, small-angle, and wide-angle X-ray scattering (USAXS/SAXS/WAXS) facility (<http://usaxs.xray.aps.anl.gov/>) to study the microstructure of advanced high-temperature metallic materials for high-efficiency internal combustion engines. This DOE funded project will utilize various APS facilities, primarily the USAXS/SAXS/WAXS facility at the 9ID beamline, APS, ANL. Use of other APS facilities, such as imaging and diffraction instruments, is expected.



The successful applicant will support this collaborative ANL-ORNL program by preparing, performing, and analyzing the research at the APS in close cooperation with ORNL group. Further more, he/she will also participate in the development and operations of the USAXS/SAXS/WAXS instrument, collaborate with users in the general user program, and optionally contribute to the development of scientific software for SAS data reduction and

analysis.

Applicants should have recent Ph.D. in appropriate area with documented experience in experimental research in condensed matter physics, chemistry, or related areas. 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 is useful, but experience with other languages such as Java, Python, or C++ are plus also. 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.

