

Staff Scientist and Postdoctoral Associate at the High Pressure Synergetic Consortium (HPSynC) at the Advanced Photon Source

The High Pressure Synergetic Consortium (HPSynC) of the Geophysical Laboratory, Carnegie Institution of Washington invites applications for a staff-scientist and a postdoctoral-associate position stationed at the Advanced Photon Source (APS), Argonne National Laboratory, USA. The HPSynC mission is to develop novel, high-risk, high-impact, high-pressure science and technology using synchrotron radiation.

Responsibilities of HPSynC staff scientist and postdoctoral associate include, but are not limited to developing high pressure synchrotron scientific projects, integrating novel high pressure and synchrotron techniques, working with APS beamlines staff to design, test, and implement new instrumentations, managing support laboratories, assisting users, and conducting original research. The staff scientist position is equivalent to the level of a synchrotron beamline scientist position without a fixed beamline.

Applicants must have a Ph.D. degree in physics, chemistry, materials science, earth science, biophysics, engineering, or a related field. Expertise in high-pressure apparatus, crystallography, nanotechnology, x-ray diffraction, x-ray spectroscopy, x-ray imaging, x-ray optics, instrument design, electronics, and/or software development for data acquisition and analysis is desirable. The staff scientist position requires a minimum of two-year work experience after Ph.D. at synchrotron beamlines and/or high-pressure laboratories and outstanding R & D record.

Applicants should submit an application letter, curriculum vitae, a statement of research interests, and three names of references via email to Dr. Ho-kwang Mao (mao@gl.ciw.edu), Geophysical Laboratory, Carnegie Institution of Washington, 5251 Broad Branch Road NW, Washington DC, 20015, USA. The search will start immediately until the position is filled.

Carnegie Institution of Washington and Argonne National Laboratory are equal opportunity/affirmative action employers.