

POSTDOCTORAL FELLOWSHIP POSITION: Study of quantum materials through resonant x-ray scattering

The Stanford Synchrotron Radiation Lightsource (SSRL), a joint institute between the SLAC National Accelerator Laboratory and Stanford University, is seeking a Ph.D. Postdoctoral Scholar with research interests in Quantum Materials' studies, the specific field of unconventional superconductivity (High- T_c cuprates), with experience in resonant soft x-ray scattering (RSXS).

A hands-on experimentalist is sought for complex experiments at the synchrotron, particularly with manipulating sample environments, such as magnetic field, pressure, strain, etc. Ideally, the candidate will also involve ultrafast x-ray science performed at FEL facilities. Additionally, it would be preferred if candidates with expertise in computer analysis and handling complex data sets are also highly desirable due to the nature of these experiments.

Applicants must provide evidence of either a recently completed Ph.D. degree or confirmation of completion of the Ph.D. degree requirements before starting the position. Applicants should also include a cover letter, a statement of the research area, a brief summary of accomplishments, a curriculum vitae, a list of publications, and names of three references for future letters of recommendation with the application.

To be successful in this position, you will bring:

- Ph.D. in physics, mathematics, materials sciences, chemistry, or related fields.
- Experience in the study of material systems, preferably in quantum materials.
- X-ray experience, resonant soft x-ray scattering experience preferred.
- An ultra-fast x-ray background will also be considered.
- Demonstrated effective written and verbal communications skills.
- Demonstrated ability to work and communicate effectively with a diverse group.
- Demonstrated ability to work both independently and in a team environment.
- Willingness to learn and bridge knowledge/experience gaps.

This is a one-year appointment beginning immediately, with the possibility of an extension for 1-2 additional years. Interested candidates should contact to Jun-Sik Lee, email: jslee@slac.stanford.edu with RSXS Postdoctoral Fellowship' in the subject heading.

SLAC/Stanford is an equal opportunity employer, and all qualified applicants will receive consideration without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability, veteran status, or any other characteristic protected by law. We encourage all qualified applicants to apply; you do not need to meet all the Preferred Qualifications to be considered.