

Postdoctoral Scholar – Batteries and Materials

SLAC National Accelerator Laboratory announces the availability of one postdoctoral research scholar position in the SLAC-Stanford Battery Center. We are seeking candidates who are passionate about developing, understanding, and integrating materials for new battery chemistry. The successful candidate will be hired as a Stanford University postdoc and will focus on batteries and materials. Having experience in synchrotron-based methods, primarily X-ray absorption spectroscopy and X-ray scattering, is preferred.

The candidate will participate in engineering and scientific research and is expected to lead the development of new materials and battery research. The successful candidate is expected to conduct materials synthesis, characterization, and battery fabrication. Postdoctoral researchers are responsible for authoring reports, presenting findings, and supporting proposal writing efforts in the SLAC-Stanford Battery Center. The successful candidate will be work in a collaborative environment at SLAC and Stanford.

Qualifications:

- Ph.D. in materials sciences, chemical engineering, energy sciences, chemistry, physics, or related fields.
- Experience with all aspects of batteries is a must, including demonstrated ability in cell assembly and data analysis.
- Experience with synthesis, and characterization of materials is desired.
- Willingness to acquire knowledge and experience in X-ray characterization techniques and related data analysis. Willingness to learn and bridge knowledge/experience gaps.
- Ability to work independently and in a team environment.
- Ability to work and communicate effectively with a diverse population; good interpersonal skills are essential. Effective written and verbal communication skills.

We look forward to receiving applications from talented individuals who are enthusiastic about contributing to cutting-edge research in the field of batteries and materials. Interested candidates should submit a cover letter with CV and names of two references to Xueli Sherry Zheng (xuelizh8@slac.stanford.edu). Join our team and make a significant impact on sustainable energy.