

**SLAC National Accelerator Laboratory  
Research Associate-Experimental (SIMES-LCLS)  
Menlo Park, CA  
Job #4278**

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**Position Overview:**

The Stanford Institute for Materials and Energy Sciences (SIMES), a joint institute between the SLAC National Accelerator Laboratory and Stanford University, is seeking an Experimental Research Associate with research interests in materials studies with experience in resonant x-ray scattering. Ideally, the candidate would also have expertise in ultrafast or coherent x-ray science.

This position will involve the study of fluctuations in quantum materials, mainly through the use of coherent x-ray methods. It will involve close collaboration at the Linac Coherent Light Source (LCLS) and LCLS-II, as well as travel for experiments at other X-ray Free Electron Laser facilities, such as in Italy and Switzerland. A *hands-on* experimentalist is sought for complex experiments at XFEL facilities. Additionally, candidates with expertise in computer analysis and handling complex data sets is also highly desirable, due to the nature of these types of experiments. Finally, the ultimate goal of this project will be in implementing developments and conducting successful experiments at next-generation X-ray Free Electron Laser sources in the specific field of unconventional superconductivity.

**Please Note** – due to COVID-19 related curtailment of on-site activities, the job duties for this position will be required to be performed from home sometimes until full site-access is restored.

**To be successful in this position you will bring:**

- Ph.D. in physics, mathematics, materials sciences, chemistry, or related fields.
- Research background in the study of material systems, preferably in quantum materials.
- Excellent candidates with only an ultra-fast or coherent x-ray background will be considered as well.
- Demonstrated effective written and verbal communications skills.
- Demonstrated ability to work and communicate effectively with a diverse group of people
- Demonstrated ability to work both independently and in a team environment.

**Preferred Qualifications:**

- X-ray experience, resonant scattering experience preferred.

This is a one-year appointment beginning immediately, with the possibility of an extension for 1-2 additional years. Interested candidates should submit a current CV and a brief statement of research interest to Joshua J. Turner to [joshuat@slac.stanford.edu](mailto:joshuat@slac.stanford.edu) with 'SIMES-LCLS Postdoctoral Fellowship' in the subject heading.

**SLAC employee competencies:**

- **Effective Decisions:** Uses job knowledge and solid judgment to make quality decisions in a timely manner.

- **Self-Development:** Pursues a variety of venues and opportunities to continue learning and developing.
- **Dependability:** Can be counted on to deliver results with a sense of personal responsibility for expected outcomes.
- **Initiative:** Pursues work and interactions proactively with optimism, positive energy, and motivation to move things forward.
- **Adaptability:** Flexes as needed when change occurs, maintains an open outlook while adjusting and accommodating changes.
- **Communication:** Ensures effective information flow to various audiences and creates and delivers clear, appropriate written, spoken, presented messages
- **Relationships:** Builds relationships to foster trust, collaboration, and a positive climate to achieve.

**Physical requirements and Working conditions:**

- Consistent with its obligations under the law, the University will provide reasonable accommodation to any employee with a disability who requires accommodation to perform the essential functions of his or her job.

**Work standards:**

- **Interpersonal Skills:** Demonstrates the ability to work well with Stanford colleagues and clients and with external organizations.
- **Promote Culture of Safety:** Demonstrates commitment to personal responsibility and value for environment, safety and security; communicates related concerns; uses and promotes safe behaviors based on training and lessons learned. Meets the applicable roles and responsibilities as described in the ESH Manual, Chapter 1—General Policy and Responsibilities: <http://www-group.slac.stanford.edu/esh/eshmanual/pdfs/ESHch01.pdf>
- Subject to and expected to comply with all applicable University policies and procedures, including but not limited to the personnel policies and other policies found in the University's Administrative Guide, <http://adminguide.stanford.edu>

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 Classification Title: Research Associate - Experimental

Grade: NA

Job code: 0127

Duration: Fixed Term