SLAC National Accelerator Laboratory is one of 17 Department of Energy (DOE) National Laboratories, and operated by Stanford University on behalf of the DOE. SLAC develops and operates some of the world's premier science facilities, including the first hard X-ray free-electron laser. Research at SLAC explores the structure and function of matter and the properties of energy, space and time, at the smallest and largest scales, all with the goal of solving problems facing society and advancing human knowledge.

Research Associate - LCLS / Stanford PULSE

Job Requisition #:	**2579**
Classification Title:	**Research Associate - Experimental**
Grade:	**NA**
Location:	**Menlo Park, CA (HQ)**
# of openings:	**1**

Description

POSITION OVERVIEW:

SLAC National Accelerator Laboratory seeks a Research Associate for a joint position at the Linac Coherent Light Sources (LCLS) and the DOE-BES Center for Materials Science entitled "Computational Synthesis of Materials Software Project with Validation on Layered Low Dimensional Functional Materials and Ultra-Fast X-Ray Laser Experiments" at the **Stanford PULSE Institute.**

SLAC is one of the world's premier research laboratories, providing an internationally leading capability in the form of its accelerator based light sources and its science programs, including the world's first hard x-ray free electron laser (xFEL) the LCLS.

The successful candidate will share his or her efforts to develop and carry out specific X-ray laser experiments for materials characterization, and help operate, develop, and utilize LCLS more generally.

Note: Research Associates at SLAC are fixed term academic appointments. Research Associates are engaged with the design, support, operation and/or scientific exploitation of the major programs of the laboratory, under the guidance of their faculty or Senior Staff Scientist / Distinguished Staff Scientist supervisor. They are expected to work with a significant degree of independence on one or more specific tasks in support of the research program, frequently interacting with the laboratory's scientific community.

If interested, please apply via this link:
https://chk.tbe.taleo.net/chk01/ats/careers/requisition.jsp?org=SLAC&cws=1&rid=2579

CORE DUTIES*:

Responsibilities include but are not limited to the following:

- Develop and carry-out research utilizing ultrafast time resolved X-ray methods (e.g., scattering, emission and absorption spectroscopy) and/or electron scattering methods, leading to a better understanding of materials, including novel stacked two-dimensional layered materials.
- Contribute to the science and user support program at LCLS.
- Assist in the development of new instrumentation and analysis methods for xFEL based studies.
- Work together with the diverse workforce at SLAC, external collaborators, and LCLS users.

** Other duties may also be assigned*

MINIMUM REQUIREMENTS:

Education & Experience:

- A Ph.D. in Physics, Chemistry, or related field.
- Strong analytical and experimental skills.
- Demonstrated effective written and verbal communication skills.
- Demonstrated ability to work and communicate effectively with a diverse population.
- Demonstrated ability to work independently and in a team environment.

Applicants will be evaluated on research experience and accomplishments in field of

expertise.

Knowledge, Skills and Abilities:

Desired Skills:

- Experience with DOE funded national lab research.
- Experience with user facility operations and research.
- Expertise in X-ray and/or electron scattering and X-ray spectroscopy techniques.
- Experience with optical laser/X-ray or electron pump-probe techniques.
- Experience with X-ray free electron laser based research.

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, team collaboration, and a positive climate to achieve common goals.

PHYSICAL REQUIREMENTS*:

** - 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:

- When conducting university business, must comply with the California Vehicle Code and Stanford University driving requirements.
- 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 safety; communicates safety concerns; uses and promotes safe behaviors based on training and lessons learned.
- 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.

SLAC National Accelerator Laboratory is an Affirmative Action / Equal Opportunity Employer and supports diversity in the workplace. All employment decisions are made without regard to race, color, religion, sex, national origin, age, disability, veteran status, marital or family status, sexual orientation, gender identity, or genetic information. All staff at SLAC National Accelerator Laboratory must be able to demonstrate the legal right to work in the United States. SLAC is an E-Verify employer.

Final candidates are subject to background checks prior to commencement of employment at the SLAC National Accelerator Laboratory.

Internal candidates, who are selected for hire, may require degree verification and/or credit checks based on requirements of the new position.

For Clery Act Information click here: http://www.stanford.edu/group/SUDPS/safety-report/security-authorities.shtml

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Are you a returning applicant?

Previous Applicants:

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Password:

If you do not remember your password click here.

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