POSTDOCTORAL FELLOWSHIP POSITION

The Stanford Institute for Materials and Energy Sciences (SIMES), a joint institute between the SLAC National Accelerator Laboratory and Stanford University, together with the Physics Department of Lund University, are seeking an exceptional candidate for a joint Ph.D. Postdoctoral Scholar position with research interests in quantum materials studies. Ideally, the candidate would also have expertise in neutron or x-ray scattering.

This position will involve the study of fluctuations in quantum materials, mainly through the use of coherent x-ray and inelastic neutron methods. It will involve work at the Linac Coherent Light Source, as well as travel for experiments at other X-ray Free Electron Laser facilities and synchrotron facilities, such as the XFEL in Germany or MAXIV in Sweden. A strong experimentalist is sought for complex experiments at XFEL and neutron facilities, as well as to plan first experiments at the Linac Coherent Light Source–II facility at SLAC, currently under construction. 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 these sources in the specific fields of magnetism and unconventional superconductivity. This position will be based at SLAC in Menlo Park, CA with travel to Lund, Sweden for meetings and discussions, as well as for beamtime experiments.

Qualifications are as follows:
· Ph.D. in physics, mathematics, materials sciences, chemistry, or related fields.
· Experience in the study of material systems, preferably in quantum materials.
· X-ray or neutron scattering experience.
· Demonstrated effective written and verbal communications skills.
· Demonstrated ability to work and communicate effectively.
· Demonstrated ability to work both independently and in a team environment.

This is a two-year appointment beginning immediately, with the possibility of an extension for 1-2 additional years, depending on available funds. Interested candidates should submit a current CV and a brief statement of research interest to either Joshua J. Turner at joshuat@slac.stanford.edu or Elizabeth Blackburn at elizabeth.blackburn@sljus.lu.se with ‘SIMES-Lund Postdoctoral Fellowship’ in the subject heading.