Postdoctoral Fellowship: High Throughput X-ray Diffraction

Stanford Synchrotron Radiation Lightsource (SSRL), a Directorate of the SLAC National Accelerator Laboratory, seeks a Ph.D. Postdoctoral Scholar with background and interest in high throughput (HiTp) experimentation and data analysis. Ideally, the candidate must have experience with X-ray diffraction and some experience with high throughput methodology.

This postdoctoral position will involve improvements to the existing HiTp X-ray diffraction facility at SSRL, development of the first stages of integrated data management and analytics platform in collaboration with Citrine Informatics and other users, and expanding the current user base. The goal is to make HiTp experiment fully accessible to an external user, who is not an expert in HiTp methodology.

In addition to the tasks outline above, the postdoctoral scholar will be strongly encouraged to seek collaboration and pursue independent and self-directed research in materials sciences areas of interest to SSRL.

Qualifications:

- Ph. D. in materials science, physics, chemistry, computer science, or related fields.
- Experience with X-ray scattering and preferably with combinatorial HiTp experimentation.
- Strong analytical and computation skills. Proficiency in Python or Matlab highly desired.
- Good interpersonal skills.
- Good written and verbal communication skills.
- Ability to work independently and in a team environment essential.

How to apply:

Interested candidates should submit the following to Apurva Mehta – Mehta@slac.stanford.edu

- C. V.
- A brief statement of research interests.