

Staff Crystallographer – position open immediately

The School of Chemistry and Biochemistry at the Georgia Institute of Technology invites applications for a full-time, 12-month, renewable postdoctoral or research scientist position. Position title will be commensurate with experience. Starting as a postdoctoral scientist will include professional development and training to convert to a research scientist position. The appointment is the Director of the Georgia Tech Single-Crystal X-ray Diffraction User Facility. The position is based in Atlanta, GA. Typical candidates will have a Ph.D. in Chemistry, Physics, or Materials Science (or a closely related field) and demonstrable expertise in small molecule X-ray crystallography. Responsibilities include maintenance and operation of the instruments in the center, as well as data collection, structure solution and refinement, and training/supervising users. The Director is welcome to pursue the development of a course in X-ray diffraction methods. In addition, the Director is expected to help submit proposals as necessary to upgrade the facility. For consideration at the research scientist level, the candidate must demonstrate facility management experience.

In particular, candidates with interest in and, preferably, experience with charge-density analysis are sought and have the opportunity to be a co-PI on a NNSA funded project. This opportunity for collaborative independent research will include co-mentoring graduate students and postdocs in the La Pierre group (and at other partner Institutions in the NNSA Transuranic Chemistry Center of Excellence) and the opportunity to lead neutron diffraction experiments at ORNL. Details of the funded scope of work are available on request to interested and qualified candidates.

All candidates would benefit from a familiarity with how typical laboratory characterization methods, including NMR, CW EPR, UV/vis/NIR and electronic absorption analysis, relate to X-ray diffraction studies. Furthermore, the candidate must be a strong citizen and take a keen interest in the training of users and the successful completion of key operations of the facility. Strong candidates will exhibit significant basic science understanding, motivation, and an ability to originate, carry out, and publish significant original research in collaboration.

The position is open immediately. Longer timelines will be considered as appropriate for the successful candidate. The minimum starting salary is \$65,000 a year plus benefits for postdoctoral candidates and \$80,000 a year plus benefits for research scientists (higher initial salaries may be possible depending on qualifications and ongoing internal funding initiatives).

Application Instructions

The candidates should submit the following to Keisha Durggin (kdurggin3@gatech.edu) (1) a CV with a publication list, (2) summary of research accomplishments, (3) summary of X-ray crystallographic experience. Additionally, the names and e-mail addresses of three references must be provided.

Requests for information may be directed to Prof. Henry S. La Pierre; hsl@gatech.edu

Please see USG job ID [262889](#).