



The Liu Group at the Emory University School of Medicine is inviting applications for a postdoctoral scholar position in the laboratory (<https://med.emory.edu/departments/biochemistry/research-labs/liu/index.html>).

The interdisciplinary research program in the Liu lab, recently funded by a five-year NIH R35 grant, is dedicated to exploring the structure-dynamics-function relationship of steroid receptor-ligand interactions. By integrating structural biology, biophysical chemistry, molecular pharmacology, and cellular and chemical biology methods, our work aims to achieve a molecular-level understanding of how these interactions regulate transcriptional activities of steroid receptors, which play crucial roles in metabolism, development, stress and inflammatory response.

We take an interdisciplinary approach, combining structural biology techniques like X-ray crystallography and cryo-EM with biochemical, biophysical, iPSC cell biology, computational biology, and multi-omics methodologies.

Facilities and Resources:

Our laboratory is equipped with state-of-the-art instrumentation in a newly renovated, open-lab space. Key resources include Refeyn mass photometry, Nanotemper Prometheus, Sartorius SF3 Surface Plasmon Resonance, and Trajan LEAP HDX-MS systems. We have regular remote access to the SERCAT beamline at APS. Additionally, the lab has convenient access to the Emory Integrated Electron Microscopy Core (IEMC), featuring a 120 kV Talos L120C and a 200 kV Talos Arctica cryo-EM as well as the NMR core with new Bruker AVANCE NEO 800 magnet.

Qualifications:

- Ph.D. in Biochemistry, Biophysics or Structural Biology or related field.

Application Instructions:

To apply, please submit the following:

1. **Curriculum Vitae.**
2. **Contact information** for 2-3 references.

Please email the application materials to Xu Liu (xu.liu@emory.edu).