Cryo-ET Staff Scientist / Postdoctoral Associate – Jiefu Li Lab, HHMI Janelia

Summary:
The Li Lab at HHMI Janelia is seeking a staff scientist or postdoctoral associate to lead projects investigating cell-surface signaling by using cryo-electron tomography and integrative structural biology approaches. The lab studies the operating principles of cell-surface signaling in the nervous and immune systems by combining method development and in vivo mechanistic investigation (learn more about our work here: link). Janelia Research Campus features highly collaborative teams and state-of-the-art instrumentation for electron microscopy (link), cryo-electron microscopy (link), and FIB-SEM technology (link), as well as strong computation teams (link) and infrastructure (link).

Please send the application to Jiefu Li (lij6@janelia.hhmi.org) with a summary of the current work and future research interest, a detailed CV, and names/contacts of three references. We also welcome joint scientists/postdocs with other Janelia labs (link).

Essential Duties and Responsibilities:

- Design and perform experiments of cellular and molecular cryo-ET
- Explore and analyze data using computation techniques
- Collaborate with other researchers for methodological development
- Communicate research with the community and the public

Education:

- Ph.D. degree in any related fields

Skills and Abilities:

- Experience with cryo-ET/EM and integrative structural biology, particularly data analysis
- Optional: experience with chemical biology and/or cell biology
- Ability to work collaboratively

About HHMI Janelia:
Janelia Research Campus is a pioneering research center in Ashburn, Virginia, where scientists pursue fundamental questions in neuroscience and imaging. The Howard Hughes Medical Institute (HHMI) launched Janelia in 2006, establishing an intellectually distinctive environment for scientists to do creative, collaborative, hands-on work. Our integrated teams of biologists, computational scientists, and tool-builders pursue a small number of scientific questions with potential for transformative impact. We share our methods, results, and tools with the scientific community. It is a uniquely innovative and collaborative atmosphere that reflects HHMI's reputation for excellence.