

Changing the World...Through Discovery, Education and Care

A postdoctoral position is available in the laboratory of Dr. Jun Liu at UT Medical School at Houston. The research of our laboratory is focused on 3-D structure/function of macromolecular complexes within the bacteria and the enveloped viruses by cryo-electron tomography (cryo-ET). High-throughput cryo-ET with the most advanced image processing has the great potential to understand the biomedical important event at the physiological environment with the molecular resolution, for instance: Nature (2006) 442:208; Nature (2006) 441:847; J Mol Biol (2006) 362:844; J Biol Chem (2007) 282: 27754; J Bacteriol (2007) 189: 7503; Current Opinion in Structural Biology (2007) in press.

UT Medical School at Houston is equipped with state-of-the art cryo-electron microscopy instruments, including a FEI Polara 300kv electron microscope with helium stage and a 4kx4k CCD camera, two JEOL 1200 microscopes. High-performance computer clusters for image processing and Vitrobot for specimen preparation are also available. As part of the Texas Medical Center, we have the unique opportunity to collaborate and interact with the other academic and health components including Baylor College of Medicine, M.D. Anderson Cancer Center, Rice University, and the Texas A&M Institute of Bioscience and Technology.

Interested candidates should send a CV including areas of expertise and interest, publications list, and names and contact information for 3 references to:

The University of Texas Health Science Center at Houston Medical School
Department of Pathology & Laboratory Medicine
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Houston, TX 77030
ATTN: Dr. Jun Liu

or

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