

Post-doctoral Position in Structural Biology

An NIH-funded Post-doctoral fellowship position is available at the University of Texas (UTMB) located in the greater Houston area in the research team of Dr. Gabrielle Rudenko. We study the protein interaction network at synapses (the contact and communication point between neurons in neural circuits), and processes that control synapse development. Many of our proteins of interest serve as potential novel therapeutic targets for neurological disorders. The ideal candidate will be an enthusiastic and dynamic structural biologist with experience in biochemistry, crystallography and/or cryoEM who is interested in combining the fields of structural biology and neuroscience.

Our laboratory is part of the endowed Sealy Center for Structural Biology and Molecular Biophysics (SCSB). The SCSB provides access to exceptional X-ray, NMR, Biophysics, and Electron Microscopy facilities. Ample access to synchrotron beam-time is coordinated through the SCSB. In addition, a Titan Krios Cryo-TEM equipped with a state-of-the-art direct electron detector has just been installed at UTMB. See <http://scsb.utmb.edu/resources/> Extensive career develop training is also available including courses in scientific writing, comprehensive grant writing and leadership skills.

Recent work and general research interests from our group include:

DOI: 10.1016/j.sbi.2019.05.020 (Curr. Opin. Struct. Biol. 2019)

DOI: 10.1016/j.jmb.2018.08.026 (J Mol. Biol. 2018)

DOI: 10.1016/j.neuron.2017.06.009 (Neuron 2017)

DOI: 10.1093/nar/gkx795 (Nucl. Acids Res. 2017)

Qualifications: Experience in protein crystallography, molecular biology, bacterial/insect cell culture, protein purification, crystallization and biophysical techniques. Good written and oral communication skills in English. Ability and desire to work as part of a highly motivated and collaborative team.

UTMB is part of the Texas Medical Center, the world's largest medical center located in greater Houston. UTMB has a research campus situated on Galveston Island offering a pleasant subtropical climate that is within commuting distance of Houston, the fourth largest city in the United States and a leader in the arts, education, and health care.

To apply, please e-mail the following to garudenk@utmb.edu CV, contact information for three references (address, phone and e-mail), a list of your experimental expertise and skills relevant to this position. Visa sponsorship is available for non-US nationals. You must have received you PhD degree to be eligible. For more information please visit <http://scsb.utmb.edu/labgroups/rudenko/>
The University of Texas is a non-discriminatory, affirmative action employer.