

University of Texas Medical Branch

Senior Faculty in Cryo Electron Microscopy

Sealy Center for Structural Biology & Molecular Biophysics

UTMB Health seeks senior faculty applicants in structural biology in the Sealy Center for Structural Biology and Molecular Biophysics (SCSBMB). The Center supports a graduate program in molecular biophysics and five well-run core laboratories in Cryo-EM, NMR, X-ray, Computation and Solution Biophysics, each with an excellent PhD-level manager. For details see: <http://www.scsb.utmb.edu/>

Core facility instrumentation includes: new 2200FS, 2100, & 1400 JEOL Cryo-EM instruments (the 2200FS is in BSL/3 containment); newly upgraded 800-, 750- and 600- MHz NMR spectrometers with Bruker Avance III consoles; newly purchased Rigaku Ultimate Homelab Plus, comprising the FR-E+DW SuperBright x-ray source with the R-Axis IV and the BioSAXS-1000 Kratky camera; plus a Bruker M06HF high-brilliance source with the Bruker platform-CCD; and solution biophysics instrumentation including a Biacore T-100, a Thermofluor high-throughput-screening instrument, plus spectroscopic, kinetic, calorimetric, analytical UC, and mass spectrometry instrumentation.

The successful candidate must be a highly motivated individual with a PhD or MD degree, a strong publication record, and a record of independent well-funded grant support. The ideal candidate will have extensive experience in Cryo Electron Microscopy applied to the study of the structure, novel mechanisms, and functions of bio-macromolecules. Candidates for positions in either the department of Biochemistry and Molecular Biology or Pharmacology and Toxicology should also have or seek overlap with the highly collaborative established biomedical research community in UTMB's basic science departments, and centers and programs of excellence such as the Institute for Human Infection and Immunity, the Galveston National Laboratory, the Center for Tropical Diseases, the Institute for Translational Sciences, the Sealy Center for Cancer Cell Biology, the Sealy Center for Environmental Health and Medicine, the Sealy Center on Aging, the George P. and Cynthia Woods Mitchell Center for Neurodegenerative Diseases, the Moody center for Brain and Spinal Cord Injury Research, the Sealy Center for Molecular Medicine and the Chemical Biology Program. These and other entities provide a wide variety of core services, in recombinant DNA, genomics, proteomics, high-throughput drug screening, mass spectrometry, membrane protein crystallization, and protein expression and purification. Excellent collaborative opportunities also exist through UTMB's participation in the Gulf Coast Consortia and the Keck Center for Interdisciplinary Bioscience <http://www.gulfcoastconsortia.org/home.aspx>

Applicants are requested to submit electronically: a cover letter expressing interest in being considered, a curriculum vitae, current funding, a summary of research accomplishments, and future goals to <mailto:SCSBMB.recruiting@UTMB.edu>

Direct inquiries to Dr. B. Montgomery Pettitt, mpettitt@utmb.edu, 409-772-0723.

UTMB has been aggressively recruiting in a large number of research areas and is an equal opportunity, affirmative action institution that proudly values diversity. Candidates of all backgrounds are encouraged to apply.

