

# University of Texas Medical Branch

## Senior Faculty in X-ray Crystallography

### 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 X-ray, Cryo-EM, NMR, Computation and Solution Biophysics, each with an excellent PhD-level manager. For details see: <http://www.scsb.utmb.edu/>

Core facility instrumentation includes: 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; new 2200FS, 2100, & 1400 JEOL Cryo-EM instruments (the 2200FS is in BSL/3 containment); newly upgraded 800-, and 600- MHz NMR spectrometers with Bruker Avance III consoles 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 crystallography applied to the study of the structure, dynamics, novel mechanisms, and functions of bio-macromolecules, viruses, assemblies *etc.* Candidates should 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 [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 [Center for Tropical Diseases](#), 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, a summary of research accomplishments, and future goals to <mailto:SCSBMB.recruiting@UTMB.edu>

Direct inquiries to Dr. B. Montgomery Pettitt, <mailto: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.**

