UT Southwestern Medical Center

Electron Microscopy Core Director

The University of Texas Southwestern Medical Center in Dallas, TX is recruiting a director for its Electron Microscopy Core Facility (EMCF). The director will hold a Research Track faculty appointment in the Department of Cell Biology or other basic science department at a rank commensurate with experience. A Ph.D. degree or equivalent in biology or related subject is required. Previous experience as a staff member of a core facility providing biological electron microscopy services to basic researchers is highly desired. Applicants should be prepared to submit a portfolio of their work. Appointment rank will be commensurate with academic accomplishments and experience.

The EMCF is an institutionally supported core facility that serves the entire UTSW research community, supporting investigators from more than 70 laboratories in 30 clinical and basic science departments engaged in cutting edge biomedical research. The current staff of four full-time technical staff process around 1000 samples per year, including ultrastructural characterization of nanoparticles, microorganisms, macromolecular complexes, exosomes, yeast, Drosophila, C. elegans, spheroids, organoids, a wide variety of mammalian tissues and cultured cells. There is increasing demand for the correlative LM/EM and immunogold localization protocols offered by the core. The EMCF has two transmission electron microscopes, a scanning electron microscope and ancillary instrumentation that includes a Wöhlwend Compact 3 high pressure freezer and a Leica FS2 freeze substitution machine.

A key role of the director involves consultation and collaboration with faculty, staff and trainees who need electron microscopy in support of ongoing research projects. In addition, the director will have the opportunity to shape the future directions of the facility to keep abreast of developing technology and thus maximize benefit to the UT Southwestern community. The successful applicant will have a broad understanding of both current biology and a variety of EM methods in order to match protocols to research goals. Ability to adapt existing protocols to new circumstances is essential. Ability to communicate effectively with clients and technical staff is a must.

To learn more about the benefits UT Southwestern offers, visithttps://www.utsouthwestern.edu/employees/hr-resources/
This position is security-sensitive and subject to Texas Education Code 51.215, which authorizes UT Southwestern to obtain criminal history record information.