

Postdoctoral Fellow in Protein Degradation and Gene Expression

Postdoctoral training positions are available in the laboratory of [Dr. Kevin Mark](#), in the Department of Cell Biology at UT Southwestern Medical Center to study how protein quality control and degradation regulate gene expression during development. The [Mark Lab](#) has several exciting projects related to understanding the mechanisms by which the ubiquitin-proteasome system targets transcriptional and translational machinery to influence cellular processes, and how disruption of such pathways leads to cancer and neurodegeneration.

Postdoctoral scholars will have opportunities to learn the latest approaches in nucleic acid and protein biology while working in an exciting, rapidly-evolving field of biomedical sciences. Our lab uses a variety of approaches for research including genome editing, flow cytometry, confocal microscopy and proteomics, as well as standard biochemical techniques such as cloning, immunoprecipitation, western blotting and RNAseq. The postdoctoral candidate will have access to numerous shared facilities at UT Southwestern that provide support for high-throughput screening, next-generation sequencing, live-cell imaging, mass spectrometry, and cryo-electron microscopy (cryo-EM).

Candidates must hold a recent Ph.D. and/or M.D. degree in an appropriate field such as biochemistry, cell biology, molecular biology or a related discipline. Ideal candidates should have experience with recombinant protein purification, fluorescence microscopy, and assays of either protein-DNA or protein-RNA interaction. Experience with analyzing large-scale genomic datasets is also preferred. Scholars with an excellent track record of scientific productivity and strong oral and written communication skills will be favorably considered. Applicants should demonstrate a desire to work both independently and with a multidisciplinary team.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>.

Interested individuals should send a CV, statement of interests, and a list of three references to:

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University Profile Page: <https://profiles.utsouthwestern.edu/profile/226155/kevin-mark.html>

Lab Webpage: <https://labs.utsouthwestern.edu/mark-lab>

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