Postdoctoral Fellowship in Genomic Instability and Chromosomal Rearrangements in Cancer

A postdoctoral position is available in the laboratory of Peter Ly, Ph.D. in the Department of Pathology at UT Southwestern Medical Center to study the mechanisms and consequences of genomic instability and chromosomal alterations in cancer. Our laboratory has several exciting projects related to how cell cycle errors and chromosome segregation defects are linked to a complex spectrum of disease-associated genomic rearrangements. These range from deletions and translocations to catastrophic forms of chromothripsis, ultimately shaping the structural landscape of cancer genomes. We are also investigating how diverse DNA damage repair pathways respond to DNA double-strand breaks induced by mitotic errors, as well as their contributions to the maintenance of genome integrity. Our research program employs a number of state-of-the-art approaches, including CRISPR-mediated genome editing, live-cell imaging, molecular cytogenetics, and genomics.

Candidates must hold a Ph.D. and/or M.D. degree. Experience in cell/molecular biology, genetics, microscopy, or computational biology leading to publication(s) in peer-reviewed journals and/or preprints is recommended.

Information on our postdoctoral training program and benefits can be found in our Postdoc Handbook or at www.utsouthwestern.edu/postdocs.

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

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UT Southwestern Medical Center is an Affirmative Action/Equal Opportunity Employer. Women, minorities, veterans and individuals with disabilities are encouraged to apply.