Simmons Comprehensive Cancer Center  
UT Southwestern Medical Center

Postdoctoral fellowships in R-loops, DNA repair and genetic instability for cancer therapy

The University of Texas Southwestern Medical Center (UTSW) is among the top cancer treatment and research centers in the United States. As the only Comprehensive Cancer Center in North Texas, researchers and students enjoy a collaborative, enriching environment and a host of educational and training resources. UTSW offers competitive pay and benefits, including available child-care.

Description of project: The Boothman group is interested in understanding the mechanistic basis of the role of RNA transcription termination factors in R-loop resolution, DNA repair, and oncoprotein-dependent signaling in cancer. We focus on translating this knowledge into innovative therapeutic strategies for specific cancer patients. Post-doctoral positions are available for highly motivated individuals with a background in mechanism of IR-induced carcinogenesis in mice, protein biochemistry, molecular biology, pharmacology, genetics and cell biology. A current priority is the characterization of specific RNA termination factor loss in cancers, and delineating novel personalized therapeutics in specific types of cancers. Further insight into the type of work may be obtained in: Morales et al., Nucleic Acids Res, 2014; Patidar et al., Nucleic Acids Research, 2016, Morales et al., PLoS Genetics, In Press, 2016, Chakrabarti et al, Cancer and Metabolism 2015 and Chakrabarti et al., Scientific Reports, 2015).

Applicants must have a PhD and/or MD with strong laboratory and analytical skills. Experience with CRISPR or mass spectrometry is desirable, but the ability to work independently to produce high-quality data and being an organized and enthusiastic scientist is most important.

To apply please email your application to:

David A. Boothman, Ph.D.  
Human Oncology and Pharmacology  
David.Boothman@UTSouthwestern.edu

All applications should include the following:

1. Curriculum vitae
2. At least three references with phone and e-mail addresses
3. A brief description of past research experience and accomplishments, as well as current and future research interests
4. Expected availability date

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