A postdoctoral fellowship position is available to conduct research on the genetic basis of epilepsy and epilepsy-associated malformations. The ideal candidate will be an MD, PhD or MD,PhD graduate with a strong background or interest in neuroscience, epilepsy and genetics. The project will involve a multidisciplinary approach combining histology, genomics (NGS), bioinformatics, laser capture microdissection, immunohistochemistry and functional assays to the study of human samples from patients with epilepsy. The postdoctoral fellow is expected to integrate information from multiple platforms to gain insights into the pathophysiology and genomic alterations behind various epilepsy-associated lesions. The candidate will work primarily with human tissue and/or fluid samples.

Experience with histology, molecular biology, electrophysiology and/or next generation sequencing techniques (e.g., bioinformatics, targeted NGS panels, RNA-Seq, WES) is desirable but not required. The candidate must be a self-starter, motivated, and enthusiastic scientist. It is anticipated that the individuals selected will take responsibility for designing and carrying out research projects, assembling results of research into manuscripts for publication, and participate in laboratory maintenance. Additionally, the individuals will participate in the preparation of grants for submission to funding agencies and in providing guidance and assistance to other student members of the laboratory.

The postdoctoral researcher will work under the guidance of Nitin Tandon, MD (Neurosurgeon, Vice Chair, Department of Neurosurgery and Director of Epilepsy Surgery Program) and Leomar Y. Ballester, MD, PhD (Molecular Neuropathologist and Co-director of the Molecular Diagnostics Laboratory). To apply for this position, send your CV with names/contact info of 3 references to Nitin.Tandon@uth.tmc.edu and Leomar.y.ballester@uth.tmc.edu.

Dr. Tandon Laboratory website:  
https://med.uth.edu/neurosurgery/tandon-lab/  
http://www.tandonlab.org

Dr. Ballester Laboratory website:  
https://med.uth.edu/pathology/ballester-esquenazi-laboratory/

Salary will be commensurate with relevant experience and based on the prevailing wage of postdoctoral research trainees set by the U.S. Department of Labor. Full-scale state employee benefits will be provided in general. Houston is a dynamic world-class city that is alive with energy and rich in culture, history, diversity, sports, music and cuisine. Located in Texas Medical Center that is the biggest medical center worldwide, UTHSC Houston is an excellent academic environment and provides plentiful opportunities for career development.

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