

A postdoctoral fellowship position is available in the Laboratory of Molecular Neuro-oncology at the University of Texas Health Science Center (UTHSC) at Houston (<https://med.uth.edu/pathology/ballester-esquenazi-laboratory/>). The laboratory applies a multidisciplinary approach combining genomics, proteomics, bioinformatics, histology, immunohistochemistry and functional assays to the study of primary and metastatic brain tumors. Ethnic and microbiome related factors affecting tumor development, growth and response to therapies are also areas of current research. The postdoctoral fellow is expected to integrate information from multiple platforms to gain insights into the pathophysiology of various neoplastic brain lesions. The candidate will work with human tumor tissue, human samples (fluids, feces) and cell lines to develop novel approaches to study circulating tumor biomarkers and brain tumor genomics at the single cell level. Our goal is to translate discoveries into clinically useful information to aid in the diagnosis and management (e.g., targeted therapies) of patients with brain tumors.

The ideal candidate will be an MD, PhD or MD,PhD graduate with a strong background or interest in neuroscience/neurooncology/microbiology. Experience with molecular biology, electrophysiology and/or next generation sequencing techniques (e.g., bioinformatics, targeted NGS panels, RNA-Seq, WES, ctDNA and exosomes), mice tumor models and microbiome analysis is desirable but not required. The candidate must be a self-starter, motivated, and enthusiastic scientist with an ultimate goal to become a successful independent investigator. 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 candidate will work under the guidance of Leomar Y. Ballester, MD,PhD (Molecular Neuropathologist) and Yoshua Esquenazi, MD (Neurosurgeon). To apply for this position, send your CV with names/contact info of 3 references to Leomar.y.ballester@uth.tmc.edu and Yoshua.EsquenaziLevy@uth.tmc.edu.

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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