

Position: Research Associate / Assistant

Institution: Baylor College of Medicine

Department: Lester & Sue Smith Breast Center
Dan L. Duncan Cancer Center
Department of Medicine



LESTER & SUE SMITH
BREAST
CENTER

DAN L DUNCAN
COMPREHENSIVE
CANCER CENTER



Location: Houston, Texas, USA

Principal Investigator: Gloria Echeverria, Ph.D.

Lab website: EcheverriaLab.squarespace.com

Application deadline: Continuous, applications will be reviewed as they are received

M.S. and/or Ph.D. training, while preferred, is not required

Description: Research assistant and associate positions are immediately available in the Echeverria laboratory at Baylor College of Medicine. Applicants are sought to support laboratory investigations into molecular mechanisms and intra-tumoral heterogeneity driving triple negative breast cancer. We are seeking highly self-motivated individuals to provide research support, technical assistance, and lab organization. The laboratory's work involves cell lines and state-of-the-art mouse models. The individual should be self-motivated and enjoy being highly organized, detail-oriented, communicative, and collaborative. The individual should enjoy contributing to ensuring the smooth and efficient operation of the laboratory. The lab provides an interactive and stimulating scientific environment and opportunities for growth.

The primary focus of the lab is on the identification of molecular mechanisms for triple negative breast cancer therapy resistance and metastasis. Projects include dissection of the molecular underpinnings tumor cell-microenvironment interactions as they pertain to therapy resistance and metabolic adaptations of therapy-resistant tumor cells, as well as single cell analyses of primary and metastatic TNBCs. A passion for translational cancer research is a requirement for all lab members.

Applicants with demonstrated skills in molecular biology, mouse models, metabolism, and breast cancer are strongly encouraged to apply. Applicants with M.S. and/or Ph.D. post-graduate training are highly desirable.

Our laboratory is located in the Baylor College of Medicine Lester and Sue Smith Breast Center, which hosts a vibrant and intellectually stimulating community of highly collaborative basic, translational, and clinical breast cancer researchers. Baylor College of Medicine is embedded in the vibrant Texas Medical Center surrounded by major research universities and hospitals. The lab is an intellectually stimulating and scientifically rigorous environment providing exposure to cutting-edge approaches such as single-cell genomics, patient-derived xenograft mouse and organoid models, CRISPR/Cas9 genome engineering, *in vivo* functional genomics screening, proteomics, metabolomics, and quantitative tissue imaging. All laboratory projects are aimed at understanding how heterogeneous subpopulations of breast tumor cells evolve as ecosystems throughout therapy resistance and multi-organ metastasis.

Please send your CV, a brief cover letter describing scientific experiences and interests, and contact information for at least three references to gloriavecheverria@gmail.com.
