

UT Southwestern Medical Center

Department of Pathology

Postdoctoral Research Fellow Position in Single Cell Genetics and Cancer Biology

Position:

Dr. Siyuan Zhang at the University of Texas Southwestern Medical Center, Dallas, Texas, USA, seeks highly motivated and enthusiastic candidates for a postdoctoral fellowship in studying cancer biology, metastasis, tumor microenvironment, and tumor immunology using cutting-edge functional genomics and single cell omics approaches. The overarching research focus of the S. Zhang Lab is to investigate the cancer-driving mechanisms that reside in the dynamic and evolutionary nature of the primary tumor microenvironment and metastatic niche. Our lab seeks to delineate patterns of metastatic plasticity and identify targetable mechanisms for novel cancer therapeutics. The prospective candidate will have ample freedom to collaboratively develop research projects with the PI under the above overarching theme. The postdoctoral training will involve utilizing single cell genomics and functional genomics approaches - coupled with cellular, organotypic, and mouse models of cancer - to reveal novel molecular mechanisms that drive tumor progression and metastatic relapse.

Qualifications:

- PhD or equivalent in cell biology, cancer biology, genetics, immunology, or a similar field.
- Candidates with expertise in cancer immunology, cancer biology, transgenic mouse models and/or neuroscience are encouraged to apply.
- Experience in mouse models, spectral flow cytometry, specialized sequencing (CITE-, TCR-, ATAC-single cell), multi-omics approaches, and/or bioinformatics (Python, R) will be favorably reviewed.

Appointment, salary, and benefits:

- 2-year appointment, subject to renewal for a longer period.
- Full-time salary, subject to candidate experience, based on current NRSA Stipend Levels with full UT benefits.

Applicants should send a brief description of their research interests, a curriculum vitae, an anticipated start date, and at least three names of referees to Prof. Siyuan Zhang at Siyuan.Zhang@UTSouthwestern.edu

Starting date: March 1, 2023, or after the agreement