Postdoctoral Opportunity in Cancer Genomics, Genome Editing and/or Bioinformatics

Postdoctoral positions are immediately available in the laboratory of Dr. Jian Xu, in the Children’s Research Institute of UT Southwestern Medical Center to study the genetic and epigenetic regulation of stem cells and cancer. Our laboratory focuses on the intersection of gene regulation with stem cell biology, hematopoiesis and cancer. We employ epigenetics, genomics, genome editing, metabolomics, and mouse genetics to define epigenetic and genetic programs that control blood stem cell development, and how these processes go awry in cancer progression.

The laboratory is equipped with cutting-edge genomics and bioinformatics platforms, and has access to numerous shared facilities including in-house illumina sequencer, 10xGenomics single cell technologies, metabolomics, transgenic mouse core, imaging, and flow cytometry. Our laboratory brings together enthusiastic scientists with diverse backgrounds, and provides a wide range of perspectives in a multidisciplinary and collaborative team setting. Please refer to our representative publications for details about our past and ongoing research: *Cell*, 151:929; *Nature* 460:1093; *Science* 334:993; *Dev Cell*, 23:796; *Mol Cell*, 57:304; *Dev Cell*, 36:9; *Nature Commun*, 9:943; *Nature Cell Biology*, 19:626.

The successful candidate must hold a Ph.D. and/or M.D. degree with a strong background in molecular biology, cancer biology, mouse genetics, bioinformatics or a related field. The ideal candidate will exhibit independence, flexibility and creativity with a record of scientific productivity. Previous experience in epigenetics, computational biology, genome editing, cancer, mouse genetics, and/or hematology-oncology is strongly preferred.

**To apply:** please submit CV, a short summary of research interest and experience, and a list of three references to:

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