Description
Dr. Siyuan Zheng’s laboratory at Greehey Children’s Cancer Research Institute (GCCRI), a state-of-the-art research institute affiliated with the University of Texas Health Science Center at San Antonio, invites applications to fill two postdoctoral fellow positions. The first position will work on building in vitro and in vivo experimental models to study the role of aneuploidy, particularly arm level copy number alterations, in tumor progression and evolution. The second position will be focused on developing novel proteogenomic methods to integrate cancer genomic, transcriptomic, and shotgun mass spectrometry-based proteomic data. The candidate for this position will work closely with Dr. Xiaojing Wang, who has developed a series of tools widely used in proteogenomics, including customProDB and proBAMsuite.

Our laboratory has extensive experience in cancer genomics and proteomics. For more information about our research, please see our recent publications (Barthel et al. Nat Genet, 2017 PMID: 28135248; Hu et al. NAR, 2018. PMID: 29099951; Zheng et al. Cancer Cell, 2016 PMID: 27165744; Menschaert, Wang et al. Genome Bio, 2018 PMID: 29386051; Wang et al. MCP, 2018 PMID: 29222161). Funding support for these two positions is secure for at least three years.

GCCRI provides excellent core facilities and a diverse array of expertise for wet and dry lab projects. The institute hosts the next generation sequencing facility and cancer genomics core of the university, and is in the process of obtaining 10x genomics single cell sequencing platform. More information about GCCRI and its infrastructure can be found at http://gccri.uthscsa.edu/

Responsibilities
The successful candidates are expected to lead independent research projects and have regular discussions with the PI. Major responsibilities include collecting background of the research project, implementing and extending current methods, reporting project progress in conferences and lab meetings, and writing manuscripts.

Qualifications
Candidates for both positions must have a PhD, or are expecting a PhD degree by the time of applying. For the experimental position, candidates should have experience and training in common cytogenetic techniques and other skillsets necessary to perform the research (cell culture, CRISPR, etc). The computational position requires proficient use of at least one programing language (e.g. R, Python, Java, Perl) and Linux working environment. Experience working with TCGA, ICGC, COSMIC, 1000 Genomes, ENCODE, GTEX, or ExAC, or other large-scale sequencing data analysis is highly preferred. Candidate is also expected to have some basic understanding of cancer biology. One first author publication in peer-reviewed journals is a minimum requirement for both positions.

Contact
Interested postdoctoral fellow candidates should send a cover letter describing past research experience/skills and future research interests/plans, a curriculum vitae and the contact information of three references to Dr. Siyuan Zheng (zhengs3@uthscsa.edu).
Application Review
Consideration of applications will begin immediately and continue until the positions are filled.

Salary & Benefits
Salary for a postdoctoral fellow position is commensurate with experience and accomplishments, starting at NIH pay scale. Information about the comprehensive benefits package can be found at http://uthscsa.edu/hr/benefits.asp.

UT Health San Antonio is one component of the 14 institutions comprising The University of Texas System and is the largest university health science center in South Texas. Formerly known as the Cancer Therapy & Research Center, the UT Health Cancer Center is one of only four National Cancer Institute-designated cancer centers in Texas. The Greehey CCRI is dedicated to developing more effective and less toxic therapies for children afflicted by cancer.

Situated at the edge of the Texas Hill Country, San Antonio is the nation’s seventh largest city and offers a rich, multi-cultural community with a thriving bioscience industry.

All Postdoctoral Fellowship appointments are designated as security sensitive positions. The University of Texas Health Science Center at San Antonio is an Equal Opportunity/Affirmative Action Employer including protected veterans and persons with disabilities.