Postdoctoral Fellow in Reproductive Genomics

A postdoctoral training position is available in the laboratory of Dr. Haiqi Chen in the Cecil H. and Ida Green Center for Reproductive Biology Sciences at UT Southwestern Medical Center to study gene regulation using the mammalian male reproductive organ as a model system. Our laboratory has several exciting projects related to gene regulation under two major themes. (1) We develop next-generation spatial and functional genomics technologies broadly applicable to studying gene regulation/function in various biological systems in situ by combining techniques such as gene editing, high-resolution single-molecule imaging, and next-generation sequencing (NGS); (2) We apply these cutting-edge technologies, along with machine learning and other data science approaches to study chromatin remodeling and tissue microenvironment, and how they impact gene regulation in the context of mammalian reproduction.

Postdoctoral scholars will work at the intersection of reproductive biology, bioengineering and data science, and will have ample opportunities to learn and build upon the latest methods in spatial transcriptomics and epigenomics, single-cell sequencing, genome engineering, and various functional assays.

Candidates must hold a recent Ph.D. and/or M.D. degree. Experience in molecular and cell biology, genetic models, molecular imaging, and various NGS assays (e.g., RNA-seq or ATAC-seq) leading to publication in peer-reviewed journals is recommended. Experience in NGS data analysis is a plus but not required.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at http://www.utsouthwestern.edu/postdocs.

Interested individuals should send a CV, statement of interests, and a list of three references to:

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