

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 reproductive organs as model systems. Our laboratory has several exciting projects related to two major themes. (1) We develop next-generation spatial and functional genomics technologies broadly applicable to studying gene regulation/functions 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 mammalian reproduction, fertility, and transgenerational inheritance.

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 any of the following areas: molecular and cell biology, animal models, molecular imaging, and various NGS assays (e.g., RNA-seq or ATAC-seq) leading to publications 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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[Haiqi Chen, Ph.D. - Faculty Profile - UT Southwestern](#)

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