

Postdoctoral Fellow | Reproductive Biology

A fully-funded postdoctoral position is available immediately in the [Cecil H. And Ida Green Center for Reproductive Biology Sciences](#), a component of the [Department of Obstetrics and Gynecology](#) at UT Southwestern Medical Center in Dallas, TX. Our Center's mission is to promote cutting-edge, integrative and collaborative basic research in reproductive biology, genomics and gene regulation.

The overarching goal of our group is to understand the molecular mechanisms by which the cervix remodels during pregnancy to prepare for term birth and in premature birth induced by infection. We are particularly interested in the dynamic changes of the cervical extracellular matrix that impact cellular and mechanical function of the cervix and the regulation of these changes by hormones as well as coding and noncoding RNAs. Experimental approaches include classical cell and molecular biology techniques, genetic manipulation of mice, various Next Generation sequencing techniques (e.g., ChIP-seq, RNA-seq,), computational analysis, imaging techniques (second harmonic generation and electron microscopy) and flow cytometry.

Candidates must have a recent Ph.D. degree with a strong background in biochemistry, molecular biology, and/or genomics and a strong publication record. Individuals with experience in animal studies, reproductive biology, microRNAs or immunology will be given preference. We especially value self-motivated, creative and collaborative team members. Interested individuals should submit a cover letter containing a summary of their prior work and a short paragraph of research interests along with a CV with information for 3 references as a single pdf.

Contact:

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