

## **Postdoctoral Training in Matrix Biology and Reproduction**

**Mouse Genetic Models, Molecular Mechanisms, Extracellular Matrix Biology  
Computational Genomics, Tissue Mechanics, Imaging, Translational/Clinical**

**University of Texas Southwestern Medical Center at Dallas**

A postdoctoral position is available in the laboratory of [Dr. Mala Mahendroo](#), in the Department of Obstetrics and Gynecology and the Cecil H. and Ida Green Center for Reproductive Biology Sciences.

The research in the [Mahendroo lab](#) covers a broad array of topics including steroid and peptide hormone signaling, ECM biology, gene regulation, non-coding RNAs, tissue mechanics, epithelial cell barrier and immune-function as they relate to the remodeling of the cervix in term and preterm birth. We utilize a variety of experimental approaches that include animal models, two photon and electron microscopy imaging, biochemistry, molecular biology, proteomics, genomics, bioinformatics, computational biology, and tissue mechanics. In addition, we collaborate with engineers to translate our molecular findings into clinical tools for detection of premature birth risk.

Currently we have a position available to study the molecular mechanisms by which steroid hormones modulate cervical extracellular matrix structure and function in pregnancy and parturition. Candidates must hold a Ph.D. and/or M.D. degree and have first author publications. Candidates with experience using mouse models, expertise in gene regulation and genomics are preferred. Candidates should have less than 18 months of prior postdoctoral experience. We especially value self-motivated and collaborative individuals and are committed to providing to training and mentorship to postdoctoral fellows.

Candidates should submit a CV, brief statement of interests, and a list of three references in one file to [mala.mahendroo@utsouthwestern.edu](mailto:mala.mahendroo@utsouthwestern.edu).

UT Southwestern and the Green Center provide a dynamic, collaborative, and integrative research and training environment with state-of-the-art facilities.

See: <https://www.ncbi.nlm.nih.gov/pubmed/?term=Mala+Mahendroo>

<http://profiles.utsouthwestern.edu/profile/14546/mala-mahendroo.htm>

Information on our postdoctoral training program and benefits can be found in our [Postdoc Handbook](#) or at <http://www.utsouthwestern.edu/postdocs>.

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