

Postdoctoral Fellow in Epigenetics, Metabolism, and Development

A joint postdoctoral position is available in the laboratories of [Dr. Laura Banaszynski](#) and [Dr. Ashley Solmonson](#) in the Green Center for Reproductive Biology Science at UT Southwestern Medical Center to study the intersection of metabolism and epigenetic regulation in cell fate decisions during embryonic stem cell differentiation and/or preimplantation embryo development. We are equipped with cutting edge genomics, metabolomics, and molecular biology platforms.

Representative publications from our labs:

- Compartmentalized metabolism supports midgestation mammalian development (*Nature* 604:349, 2022)
- Phosphorylation of histone H3.3 at serine 31 promotes p300 activity and enhancer acetylation (*Nature Genetics* 51:941, 2019)
- Histone H3.3 is required for endogenous retroviral element silencing in embryonic stem cells (*Nature* 522:240, 2015)
- Hira-dependent histone H3.3 deposition facilitates PRC2 recruitment at developmental loci in ES cells (*Cell* 155:107, 2013)

Candidates must hold a recent Ph.D. and/or M.D. degree. Experience in embryonic stem cell biology, preimplantation embryo culture, metabolism, chromatin biology, genome editing, or NGS sequencing leading to publication in peer-reviewed journals is recommended.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>. Competitive stipend and relocation expenses available, along with a high quality of life and exciting living environment with access to culture and dining.

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

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