

Transcriptional Condensates in Development and Disease

A postdoctoral training position is available in the laboratory of [Dr. Benjamin Sabari](#), the Laboratory of Nuclear Organization in the Green Center for Reproductive Biology Science at UT Southwestern Medical Center to study the roles of biomolecular condensates and phase separation in regulating transcription, chromatin, and epigenetics in healthy and diseased cell states. Our [laboratory](#) has several exciting projects related to the role of transcriptional condensates in regulating 1) basic mechanisms of transcription and epigenetics, 2) activation of new gene programs during cell state transitions, and 3) aberrant gene activation in cancer. We combine epigenetics, biochemistry, and microscopy to study biomolecular condensate function.

Representative publications from our lab:

- 1) Functional partitioning of transcriptional regulators by patterned charge blocks ([Cell 2023](#))
- 2) Enhancer Features that Drive Formation of Transcriptional Condensates ([Molecular Cell 2019](#))
- 3) Coactivator condensation at super-enhancers links phase separation and gene control ([Science 2018](#))

Candidates must hold a recent Ph.D. and/or M.D. degree. Experience in NGS epigenomic analysis, protein biochemistry, or quantitative microscopy 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>.

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

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