

Gene Therapies for Neurological Disorders

A postdoctoral training position is available in the laboratory of [Dr. Rachel Bailey](#) in the Center for Alzheimer's & Neurodegenerative Diseases at UT Southwestern Medical Center. Our [laboratory](#) has two major focuses with potential for synergy: (1) disease mechanisms underlying neuronal dysfunction in rare pediatric and age-related neurodegenerative disorders; (2) development of adeno-associated virus (AAV) gene therapy for the treatment of neurological diseases. Model systems used include human cells and *in vivo* mouse models.

This position requires use of techniques such as plasmid design/cloning, flow cytometry, cell imaging, immunohistochemistry, and biochemistry including subcellular fractionations, western blots, ELISAs, and RNA isolation coupled with RNAseq analysis. Experience with disease models and ability to analyze large datasets, such as transcriptomics, are a plus.

Position is funded, but applicants are encouraged to apply for external funding.

Candidates must hold a Ph.D. in an appropriate scientific field, such as biochemistry, cell biology, molecular biology, neuroscience, or a related discipline. Applicants should have an excellent academic track record (including publication in peer-reviewed journals), demonstrate strong oral and written communication skills, scientific curiosity and the desire and ability to work both independently and as part of a multidisciplinary team.

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 research interests, description of career goals and a list of references to:

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<https://labs.utsouthwestern.edu/bailey-lab>

<https://profiles.utsouthwestern.edu/profile/179158/rachel-bailey.html>

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