

Limb Regeneration

A postdoctoral training position is available in the laboratory of [Robert Tower, PhD](#), in the Department of Surgery at UT Southwestern Medical Center to study multi-omics-based approaches in the fields of musculoskeletal development, homeostasis, repair, and regeneration. [Our lab](#) has several exciting projects relating to the use of transgenic animal models, combined with bioinformatic approaches to understand the mesenchymal-immune cell interactions which occur within the stem cell niche under physiological conditions, and strives to understand how these signaling cascades drive regenerative or fibrotic outcomes following injury. Understanding these divergent signaling mechanisms will hopefully help guide future therapeutic strategies to promote faithful repair of damaged tissue.

Candidates must hold a recent Ph.D. and/or M.D. degree. Experience in molecular and mouse experience, and/or existing bioinformatics expertise (use of R/Python and analysis packages such as Seurat, and Monocle) and will be supported by technical and computational expertise already present within the lab. Knowledge of musculoskeletal biology a plus but not required.

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

<https://profiles.utsouthwestern.edu/profile/206568/robert-tower.html>

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