

Postdoctoral research in skin development, wound healing, and cancer

A postdoctoral training position is available in the [Nanes Laboratory](#) at UT Southwestern Medical Center to drive cutting-edge research advancing our understanding of the cytoskeleton and skin biology. Our lab studies the molecular circuits balancing stability and plasticity in barrier tissues such as the skin using cell culture, organoids, animal models, and human tissue. Areas of particular interest include wound healing, epithelial to mesenchymal transition, epithelial specialization, and inherited skin diseases caused by mutations in cytoskeleton genes. Because the cytoskeleton is a complex system with multiple redundant and interacting components, traditional animal knockout and biochemical methods have left important questions unanswered. Therefore, our approach focuses on quantitative, minimal-intervention methods and high-resolution microscopy to directly probe the molecular circuits underlying complex epithelial tissue behaviors.

To support our uniquely interdisciplinary approach, the Nanes Laboratory is part of both the [Department of Dermatology](#) and the [Cecil H. and Ida Green Center for Systems Biology](#) in the [Lyda Hill Department of Bioinformatics](#). The lab is located within the open research environment of the Center for Systems Biology, facilitating close collaboration with our partners in the [Danuser](#) (cancer metastasis and drug resistance), [Fiolka](#) (light sheet microscope design and construction), and [Dean](#) (tissue clearing and expansion microscopy) labs. Lab members have full access to the equipment, computational, and intellectual resources of each lab.

The Postdoctoral Researcher will be responsible for developing and carrying out independent research projects under the supervision of the Principal Investigator and in collaboration with other members of the lab. A PhD or equivalent degree in cell or developmental biology, biomedical engineering, cancer biology, or a related field, with concomitant laboratory experience and publication record, is required. Candidates with an MD or equivalent degree and substantial laboratory research experience will also be considered. Please note that clinical research experience is not relevant for this position. This position is ideal for candidates seeking advanced research training in preparation for an academic or industry career.

This position falls under the highly competitive [Postdoctoral Researcher Pay Scale](#) set by the Department of Bioinformatics, with a starting annual salary of \$70,000 and an additional competitive fellowship incentive of \$20,000.

Interested candidates should contact Benjamin Nanes, MD, PhD by email (benjamin.nanes@utsouthwestern.edu), including a curriculum vitae, statement of research interest, and contact information for three references.

Information on our postdoctoral training program, benefits, and a virtual tour can be found at <http://www.utsouthwestern.edu/postdocs>.

Additional Information

The Nanes Lab: <https://lab.nanes.org/>

Dr. Nanes' Faculty Profile: <https://profiles.utsouthwestern.edu/profile/169955/benjamin-nanes.html>

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