

## **Novel Cellular Mechanisms**

A postdoctoral training position is available in the laboratory of [Dustin Hancks, Ph.D.](#) in the Department of Immunology at UT Southwestern Medical Center. The goal of the [Hancks laboratory](#) is to identify novel cellular mechanisms that shape disease outcomes - by exploiting the elaborate chess match between hosts and viruses. Studies in the Hancks Lab integrate genetics, functional genomics, bioinformatics and evolutionary signatures with experimental analysis using cell culture, viral infections, yeast, and mouse models. The Hancks Lab is especially interested in cellular factors “stolen” by viruses via horizontal gene transfer. Notably, several key biological discoveries are rooted in studies of mechanisms used by viruses to antagonize host functions; namely, direct protein-protein interactions and mimicry.

The Hancks Lab aims to train interdisciplinary scientists at all levels - postdocs to undergraduates - from diverse backgrounds with a foundation cemented in genetics, informatics, and virology. A primary objective of the Hancks Lab is to train individuals from diverse backgrounds with critical thinking and problem-solving skills which they can apply to scientific research and real-world issues.

Candidates must hold a Ph.D. and/or M.D. degree. The individual will use cell culture and mouse models to study biological mechanisms. Experience working with mice is strongly preferred. Experience with bioinformatics, yeast, and/or biochemistry is also of interest but not required. Experience in related areas 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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