

Postdoctoral Training Position Available

Microbiology Postdoctoral Researcher

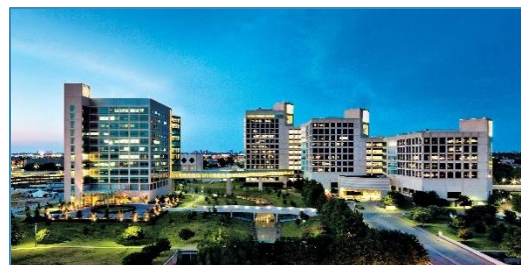
A postdoctoral training position is available in the laboratory of [Dr. Chien-Ting Wu \(Wu Lab\)](#) in the Microbiology department at UT Southwestern Medical Center. We study the biology of nasal mucosa, which serves as a foundation for expanding into virology, immunology, metabolism, cell biology, and cancer biology. Our laboratory research methodologies include primary human airway epithelium cultures, mouse models, and advanced techniques in cell biology, imaging, genomics, and proteomics. We seek to answer five basic questions:

1. How do respiratory viruses infect and spread between the nasal cavity and lungs?
2. How do nasal and lung immune defenses block viral infections?
3. Apart from olfactory molecules, how does the nasal cavity as a critical sensory organ detect changes in the external environment, such as infections or chronic inflammation?
4. How does the inflammatory response interfere with the normal immune functions of the nasal mucosa?
5. How do HPV 16/18 induce nasal polyps and cancers?

Candidates must hold a recent Ph.D. degree. Experience with one or more of the following areas is preferred: Animal models, particularly in respiratory or neurological studies; Proficiency in bioinformatics, including proteomics, single-cell RNA sequencing, RNAseq, and related technologies; Skills in analyzing immune cells, especially with a focus on antigen-presenting cells, T cells, and macrophages; Background in virology.

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 2-3 references to Dr. Wu at chien-ting.wu@utsouthwestern.edu



UT Southwestern Research and Training at a Glance:

- World's No. 3 health care institution for publishing high-quality scientific research, according to the 2023 Nature Index
- Home to nationally and internationally recognized physicians and scientists, including Nobel Laureates, HHMI investigators, members of the National Academy of Sciences and of Medicine
- Over \$550M in research funding
- Comprehensive core facilities
- Burgeoning biotech hub
- Blackstone LaunchPad entrepreneurial training and tools
- Postdoctoral certificate program, including nanocourses
- Graduate Career Development Office
- Postdocs have gone into careers in academia, biotech, pharma, consulting, and non-profits

Compensation & Benefits

Postdoctoral Scholars are eligible for:

- Pay at the level of NIH NRSA stipends or higher and yearly pay review
- Health, Dental, and Vision Insurance Plans
- Retirement Benefits for employees
- Paid Time Off
- Relocation expenses for eligible appointments
- Student parking rates
- Access to the Student Center and Student Health/Student Wellness

Dallas offers big city excitement with quiet suburbs in a mix of Texas friendliness and cosmopolitan offerings.

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