

Postdoctoral Training Position Available

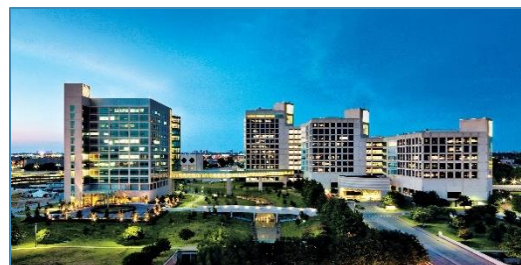
Microbiology Postdoctoral Researcher

A postdoctoral training position is available in the laboratory of [Dr. Xinyun \(Sherry\) Cao](#), in the Microbiology Department at UT Southwestern Medical Center to study how the transcription complex regulates gene expression in *Clostridioides difficile*, a gram-positive pathogen that impacts the gut microbiome. Our laboratory <https://www.caolaboratory.org/> has several exciting projects related to unraveling the intricacies of RNA polymerase function and regulation within bacterial pathogens. We utilize a diverse array of methodologies in our research, including advanced techniques such as Cryo-EM, next-generation sequencing (Illumina sequencing), high-throughput screening, *in vitro* biochemical assays, and bacterial genetics. Candidates with projects aim to study bacterial gene and genomic regulation, the structure and function of transcription complexes, and mechanisms of transcription initiation, elongation, and termination.

Candidates must hold a recent Ph.D. degree and have a background in any of the following areas are encouraged to apply: structural biology, RNA biology, bioinformatics, protein biochemistry, and microbiology.

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, cover letter explaining research interests and future goals, and a list of 2-3 references to Dr. Cao at Xinyun.Cao@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.

UT Southwestern Medical Center is committed to an educational and working environment that provides equal opportunity to all members of the University community. UT Southwestern prohibits unlawful discrimination, including discrimination on the basis of race, color, religion, national origin, sex, sexual orientation, gender identity, gender expression, age, disability, genetic information, citizenship status, or veteran status. To learn more, please visit [here](#).

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