

Postdoctoral Fellow in Mineral Metabolism Research

The Charles Y.C. and Jane Pak Center for Mineral Metabolism and Clinical Research (CMMCR) at UT Southwestern Medical Center is seeking highly motivated Postdoctoral Research Fellow in the newly opened [Dr. Jialiang \(Shirley\) Wang](#) laboratory. Dr. Wang's postdoctoral research was done at Massachusetts General Hospital and Harvard Medical School, where her work utilized multi-omics approaches to investigate skeletal disease and bone health. She is a recipient of the NIH Pathways to Independence Award (K99/R00).

The Wang laboratory will take an interdisciplinary approach that spans genetics, multi-omics, *in vivo* and *in vitro* models, to characterize how aberrant factors can lead to skeletal disease and bone cancer. Previous and ongoing work 1) investigates the molecular program that regulates osteocytogenesis and bridges the gap between osteocyte development and human skeletal disease, and 2) reveals the regulatory role of transcription factors in bone cancer and develops novel transcription factor-targeted therapies. There are many exciting projects to work on and these projects will provide the opportunity to receive close mentorship and learn cutting-edge technologies, such as CRISPR-Cas9 gene editing, single-cell RNA-seq, spatial transcriptome and multi-omics analysis. We are very open to new ideas and support the scientific and career development of lab members.

The research in Wang laboratory involves close collaboration with scientists, clinicians, and members of the integrated multidisciplinary research environment within the CMMCR and across UT Southwestern. We value team members from all different backgrounds and experiences. We believe that diversity of thought drives creativity and innovation, and we are dedicated to fostering an ecosystem where individual differences in academic, cultural, and professional backgrounds are celebrated and respected.

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

Candidates with a PhD (MD or MD/PhD) degree in the biological and biomedical science and research experience in genetics, genomics, developmental and molecular biology, endocrinology, or tumor biology should submit a C.V., a Cover Letter, and names/emails of 3 references via email to:

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[Jialiang Wang, Ph.D. - Faculty Profile - UT Southwestern](#)

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