

Stanford



Hao Zhang

Postdoctoral Research Fellow, Cardiovascular Institute

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BIO

Dr. Hao Zhang is a postdoctoral fellow working with Dr. Joseph Wu at Stanford Cardiovascular Institute. At Stanford, his focus is to develop and optimize differentiation protocol of iPSCs to cardiac fibroblasts, elucidate patient-specific mechanisms of cardiac fibrosis in cell and tissue levels, and utilize high-throughput technology to screen anti-fibrosis drugs. Dr. Zhang received his MD at Peking Union Medical School, Tsinghua University (2013), Beijing. After graduation, he became a cardiologist at Fuwai Hospital. At Peking Union Medical School, Dr. Zhang was trained by his mentor, Dr. Yue-jin Yang, to investigate the microenvironment in the adult heart following ischemic injury, such as myocardial infarction. During his clinical training, Dr. Zhang studied calcified valve disease and TAVR technology in the cardiology department, where he was supervised by Dr. Yong-jian Wu.

PROFESSIONAL EDUCATION

- Doctor of Medicine, Peking Union Medical College, Tsinghua University (2013)

STANFORD ADVISORS

- Joseph Wu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Single-Cell RNA-seq Unveils Unique Transcriptomic Signatures of Organ-Specific Endothelial Cells**
Paik, D. T., Tian, L., Williams, I. M., Zhang, H., Williams, D., Mishra, R., Wu, S. M., Wu, J. C.
LIPPINCOTT WILLIAMS & WILKINS.2019
- **Generation of Quiescent Cardiac Fibroblasts from Human Induced Pluripotent Stem Cells for In Vitro Modeling of Cardiac Fibrosis.** *Circulation research*
Zhang, H., Tian, L., Shen, M., Wu, H., Gu, M., Tu, C., Paik, D. T., Wu, J. C.
2019
- **Modelling diastolic dysfunction in induced pluripotent stem cell-derived cardiomyocytes from hypertrophic cardiomyopathy patients.** *European heart journal*
Wu, H., Yang, H., Rhee, J. W., Zhang, J. Z., Lam, C. K., Sallam, K., Chang, A. C., Ma, N., Lee, J., Zhang, H., Blau, H. M., Bers, D. M., Wu, et al
2019