

Stanford

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Bio

ACADEMIC APPOINTMENTS

- Instructor, Cardiovascular Institute

Publications

PUBLICATIONS

- **A transcriptomic atlas of drug-induced endothelial dysfunction in human endothelial cells.** *Journal of molecular and cellular cardiology*
Tu, C., Liu, Y., Williams, D. R., Wu, J. C.
2022; 173: 115-117
- **Contractility and Calcium Transient Maturation in the Human iPSC-Derived Cardiac Microfibers.** *ACS applied materials & interfaces*
Strimaityte, D., Tu, C., Yanez, A., Itzhaki, I., Wu, H., Wu, J. C., Yang, H.
2022
- **Human Induced Pluripotent Stem Cells for Studying Mitochondrial Diseases in the Heart.** *FEBS letters*
Caudal, A., Ren, L., Tu, C., Wu, J. C.
2022
- **Protocol to measure contraction, calcium, and action potential in human-induced pluripotent stem cell-derived cardiomyocytes.** *STAR protocols*
Zhang, J. Z., Zhao, S. R., Tu, C., Pang, P., Zhang, M., Wu, J. C.
2021; 2 (4): 100859
- **Human Induced Pluripotent Stem Cells as a Screening Platform for Drug-Induced Vascular Toxicity** *FRONTIERS IN PHARMACOLOGY*
Tu, C., Cunningham, N. J., Zhang, M., Wu, J. C.
2021; 12
- **Human Induced Pluripotent Stem Cells as a Screening Platform for Drug-Induced Vascular Toxicity.** *Frontiers in pharmacology*
Tu, C., Cunningham, N. J., Zhang, M., Wu, J. C.
2021; 12: 613837
- **Transcriptome Analysis of Non-Human Primate Induced Pluripotent Stem Cell-Derived Cardiomyocytes in 2D Monolayer Culture versus 3D Engineered Heart Tissue.** *Cardiovascular research*
Yang, H. n., Shao, N. n., Holmström, A. n., Zhao, X. n., Chour, T. n., Chen, H. n., Itzhaki, I. n., Wu, H. n., Ameen, M. n., Cunningham, N. J., Tu, C. n., Zhao, M. T., Tarantal, et al
2020
- **Improving the engraftment and integration of cell transplantation for cardiac regeneration.** *Cardiovascular research*
Tu, C., Mezynski, R., Wu, J. C.
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
- **Commonly used thiol-containing antioxidants reduce cardiac differentiation and alter gene expression ratios of sarcomeric isoforms** *EXPERIMENTAL CELL RESEARCH*

Tu, C., Allen, A., Deng, W., Conroy, O., Nambiar, M., Zoldan, J.
2018; 370 (1): 150–59

● **Strategies for Improving the Maturity of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes** *CIRCULATION RESEARCH*

Tu, C., Chao, B. S., Wu, J. C.
2018; 123 (5): 512–14

● **Strategies for Improving the Maturity of Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes.** *Circulation research*

Tu, C., Chao, B. S., Wu, J. C.
2018; 123 (5): 512-514

● **Glycogen synthase kinase-3 inhibition sensitizes human induced pluripotent stem cells to thiol-containing antioxidants induced apoptosis** *STEM CELL RESEARCH*

Tu, C., Xu, R., Koleti, M., Zoldan, J.
2017; 23: 182–87

● **Monitoring protein synthesis in single live cancer cells** *INTEGRATIVE BIOLOGY*

Tu, C., Santo, L., Mishima, Y., Raje, N., Smilansky, Z., Zoldan, J.
2016; 8 (5): 645–53

● **Nanoscale Strategies: Treatment for Peripheral Vascular Disease and Critical Limb Ischemia** *ACS NANO*

Tu, C., Das, S., Baker, A. B., Zoldan, J., Suggs, L. J.
2015; 9 (4): 3436-3452