



Renke Tan

Postdoctoral Scholar, Cardiovascular Institute

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Michigan Ann Arbor (2024)

STANFORD ADVISORS

- Joseph Wu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Cas11 enables genome engineering in human cells with compact CRISPR-Cas3 systems.** *Molecular cell*
Tan, R., Krueger, R. K., Gramelspacher, M. J., Zhou, X., Xiao, Y., Ke, A., Hou, Z., Zhang, Y.
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- **Generation of two induced pluripotent stem cell lines from patients carrying heterozygous PTEN mutations associated with PTEN Hamartoma Tumor Syndrome.** *Stem cell research*
Zdantsevich, K., Tan, R., Li, D., Walther, P., Ladabaum, U., Wu, J. C.
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- **Generation of induced pluripotent stem cell lines from patients with Emery-Dreifuss muscular dystrophy.** *Stem cell research*
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- **Generation of two induced pluripotent stem cell lines from dilated cardiomyopathy patients harbouring TTN mutations.** *Stem cell research*
Tan, R., Chen, Y. I., Zha, Y., Herron, T., Haddad, F., Sallam, K., Wu, J. C.
2025; 88: 103834
- **Advanced RPL19-TRAPKI-seq method reveals mechanism of action of bioactive compounds.** *Natural products and bioprospecting*
Zhu, D., Hu, J., Tan, R., Lin, X., Wang, R., Lu, J., Yu, B., Xie, Y., Ni, X., Liang, C., Dang, Y., Jiang, W.
2025; 15 (1): 16
- **Snapshots of a tiny ancestral nuclease of Cas9.** *Trends in biochemical sciences*
Hou, Z., Tan, R., Zhang, Y.
2023; 48 (1): 9-10
- **Nucleolus localization of SpyCas9 affects its stability and interferes with host protein translation in mammalian cells.** *Genes & diseases*
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- **Continuous culture of urine-derived bladder cancer cells for precision medicine.** *Protein & cell*
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2019; 10 (12): 902-907

● **Targeting the N Terminus of eIF4AI for Inhibition of Its Catalytic Recycling.** *Cell chemical biology*

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● **Prolyl 4-hydroxylase 2 promotes B-cell lymphoma progression via hydroxylation of Carabin.** *Blood*

Jiang, W., Zhou, X., Li, Z., Liu, K., Wang, W., Tan, R., Cong, X., Shan, J., Zhan, Y., Cui, Z., Jiang, L., Li, Q., Shen, et al
2018; 131 (12): 1325-1336