

Stanford



Angela Zhang

- MD Student, expected graduation Spring 2024
- Ph.D. Student in Genetics, admitted Autumn 2019
- MSTP Student

Bio

INSTITUTE AFFILIATIONS

- Member (Student), Cardiovascular Institute

Research & Scholarship

LAB AFFILIATIONS

- Joseph Wu (8/30/2016)

Publications

PUBLICATIONS

- **Tachycardia-induced metabolic rewiring as a driver of contractile dysfunction.** *Nature biomedical engineering*
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- **Leveraging Physiology and Artificial Intelligence to Deliver Advancements in Healthcare.** *Physiological reviews*
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- **From patterns to patients: Advances in clinical machine learning for cancer diagnosis, prognosis, and treatment.** *Cell*
Swanson, K., Wu, E., Zhang, A., Alizadeh, A. A., Zou, J.
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- **SGLT2 inhibitor ameliorates endothelial dysfunction associated with the common ALDH2 alcohol flushing variant.** *Science translational medicine*
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- **Current and future perspectives of single-cell multi-omics technologies in cardiovascular research** *Nat Cardiovasc Res*
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- **Shifting machine learning for healthcare from development to deployment and from models to data.** *Nature biomedical engineering*
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- **Cannabinoid receptor 1 antagonist genistein attenuates marijuana-induced vascular inflammation.** *Cell*

- Wei, T. T., Chandy, M., Nishiga, M., Zhang, A., Kumar, K. K., Thomas, D., Manhas, A., Rhee, S., Justesen, J. M., Chen, I. Y., Wo, H. T., Khanamiri, S., Yang, et al
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- **Treating Duchenne Muscular Dystrophy: The Promise of Stem Cells, Artificial Intelligence, and Multi-Omics.** *Frontiers in cardiovascular medicine*
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 - **Antitumor effects of iPSC-based cancer vaccine in pancreatic cancer.** *Stem cell reports*
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2021
 - **Race and Genetics in Congenital Heart Disease: Application of iPSCs, Omics, and Machine Learning Technologies.** *Frontiers in cardiovascular medicine*
Mullen, M. n., Zhang, A. n., Lui, G. K., Romfh, A. W., Rhee, J. W., Wu, J. C.
2021; 8: 635280
 - **Universal intracellular biomolecule delivery with precise dosage control** *SCIENCE ADVANCES*
Cao, Y., Chen, H., Qiu, R., Hanna, M., Me, E., Hjort, M., Zhang, A., Lewis, R. S., Wu, J. C., Melosh, N. A.
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 - **Harnessing cell pluripotency for cardiovascular regenerative medicine.** *Nature biomedical engineering*
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 - **A Rapid, High-Quality, Cost-Effective, Comprehensive and Expandable Targeted Next-Generation Sequencing Assay for Inherited Heart Diseases.** *Circulation research*
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 - **DWI for Renal Mass Characterization: Systematic Review and Meta-Analysis of Diagnostic Test Performance** *AMERICAN JOURNAL OF ROENTGENOLOGY*
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