Stanford



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ACADEMIC APPOINTMENTS

- Instructor, Cardiovascular Institute

Publications

PUBLICATIONS

- **CCN1-mediated stress signaling underlies intrinsic cardiomyocyte dysfunction in spinal muscular atrophy.** *Cell reports*
  Zeng, W., Liu, W., Caudal, A., Liu, L., Kong, X., Zhu, W., Kim, H., Lee, A., Alamana, C., Melesio, J., Cao, X., Howell, K., Chen, et al
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- **Targeting an atypical G protein-coupled receptor signaling pathway for cardiac fibrosis therapy.** *Science (New York, N.Y.)*
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- **3-Dimensional Human iPSC-Derived Cardiac Organoids for Antifibrotic Drug Screening.** *Circulation research*
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- **New approach methodologies for drug discovery.** *Cell*
  Liu, W., Pang, P. D., Wu, C. A., Tagle, D., Wu, J. C.
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- **Generation and characterization of two human induced pluripotent stem cell lines from myotonic dystrophy type 1 patients.** *Stem cell research*
  Darji, P., Liu, W., Zeng, W., Chao, J. T., Pang, P. D., Wheeler, M. T., Perez, M., Wu, J. C.
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- **Inhibition of CXCL10 and IFN-γ ameliorates myocarditis in preclinical models of SARS-CoV-2 mRNA vaccination.** *Science translational medicine*
  Cao, X., Manhas, A., Chen, Y. I., Caudal, A., Mondejar-Parreño, G., Zhu, W., Liu, W., Kong, X., Zeng, W., Liu, L., Zhao, S. R., Jahng, J. W., Utz, et al
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- **Multiscale Platform Identifies Novel Therapeutic Targets for Fibrosis**
  Zhang, H., Shivnaraine, R., Thai, P., Ren, L., Janicot, R., Zhu, W., Tu, C., Siepe, D., Maziarz, M., Liu, Y., Liu, C., Liu, W., Shin, et al
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- **Insights of right ventricular anisotropic hysteresis behavior with pulmonary hypertension development.** *Biomedical materials (Bristol, England)*

LeBar, K., Roth, K., Liu, W., Garcia, B., Pang, J., Ayers, J., Chicco, A., Wang, Z.
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- **Multiscale drug screening for cardiac fibrosis identifies MD2 as a therapeutic target.** *Cell*
  Zhang, H., Thai, P. N., Shivnaraine, R. V., Ren, L., Wu, X., Siepe, D. H., Liu, Y., Tu, C., Shin, H. S., Caudal, A., Mukherjee, S., Leitz, J., Wen, et al
  2024

- **Multiscale drug screening for cardiac fibrosis identifies MD2 as a therapeutic target** *Cell*
  Zhang, H.
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- **Clinical trials in-a-dish for cardiovascular medicine.** *European heart journal*
  Wu, X., Swanson, K., Yildirim, Z., Liu, W., Liao, R., Wu, J. C.
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- **Establishment of a Biaxial Testing System for Characterization of Right Ventricle Viscoelasticity Under Physiological Loadings.** *Cardiovascular engineering and technology*
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- **Generation of two induced pluripotent stem cell lines from breast cancer patients carrying BRCA2 variants.** *Stem cell research*
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  Liu, W., Nguyen-Truong, M., LeBar, K., Labus, K. M., Gray, E., Ahern, M., Neelakantan, S., Avazmohammadi, R., McGilvray, K. C., Puttlitz, C. M., Wang, Z.
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  2021; 8 (12)
- **Establishment of adult right ventricle failure in ovine using a graded, animal-specific pulmonary artery constriction model** *ANIMAL MODELS AND EXPERIMENTAL MEDICINE*
  Nguyen-Truong, M., Liu, W., Boon, J., Nelson, B., Easley, J., Monnet, E., Wang, Z.
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- **Current Understanding of the Biomechanics of Ventricular Tissues in Heart Failure** *BIOENGINEERING-BASEL*
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