



Wenqiang Liu

Postdoctoral Scholar, Cardiovascular Institute

Bio

STANFORD ADVISORS

- Joseph Wu, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Establishment of a Biaxial Testing System for Characterization of Right Ventricle Viscoelasticity Under Physiological Loadings.** *Cardiovascular engineering and technology*
Roth, K., Liu, W., LeBar, K., Ahern, M., Wang, Z.
2024
- **Role of Microtubule Network in the Passive Anisotropic Viscoelasticity of Healthy Right Ventricle.** *Journal of biomechanical engineering*
LeBar, K., Liu, W., Chicco, A., Wang, Z.
2024: 1-25
- **Role of the Microtubule Network in the Passive Anisotropic Viscoelasticity of Right Ventricle with Pulmonary Hypertension Progression.** *Acta biomaterialia*
LeBar, K., Liu, W., Pang, J., Chicco, A., Wang, Z.
2024
- **Generation of two induced pluripotent stem cell lines from breast cancer patients carrying BRCA2 variants.** *Stem cell research*
Zhang, M., Liu, W., Li, A., Htet, M. H., Yu, R., Telli, M. L., Wu, J. C.
2023; 72: 103219
- **Generation of two induced pluripotent stem cell lines from Duchenne muscular dystrophy patients.** *Stem cell research*
Liu, W., Zeng, W., Kong, X., Htet, M., Yu, R., Wheeler, M., Day, J. W., Wu, J. C.
2023; 72: 103207
- **Generation of two induced pluripotent stem cell lines from patients with Down syndrome.** *Stem cell research*
Zhu, W., Liu, W., Yu, R., Manning, M., Waran Romfh, A., Wu, J. C.
2023; 72: 103204
- **Alterations of biaxial viscoelastic properties of the right ventricle in pulmonary hypertension development in rest and acute stress conditions.** *Frontiers in bioengineering and biotechnology*
Liu, W., LeBar, K., Roth, K., Pang, J., Ayers, J., Chicco, A. J., Puttlitz, C. M., Wang, Z.
2023; 11: 1182703
- **Strain-dependent stress relaxation behavior of healthy right ventricular free wall** *ACTA BIOMATERIALIA*
Liu, W., Labus, K. M., Ahern, M., LeBar, K., Avazmohammadi, R., Puttlitz, C. M., Wang, Z.
2022; 152: 290-299

- **Multiscale Contrasts Between the Right and Left Ventricle Biomechanics in Healthy Adult Sheep and Translational Implications.** *Frontiers in bioengineering and biotechnology*
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.
2022; 10: 857638
- **Different Passive Viscoelastic Properties Between the Left and Right Ventricles in Healthy Adult Ovine** *JOURNAL OF BIOMECHANICAL ENGINEERING-TRANSACTIONS OF THE ASME*
Liu, W., Nguyen-Truong, M., Ahern, M., Labus, K. M., Puttlitz, C. M., Wang, Z.
2021; 143 (12)
- **The Interventricular Septum Is Biomechanically Distinct from the Ventricular Free Walls** *BIOENGINEERING-BASEL*
Nguyen-Truong, M., Liu, W., Doherty, C., LeBar, K., Labus, K. M., Puttlitz, C. M., Easley, J., Monnet, E., Chicco, A., Wang, Z.
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.
2020; 3 (2): 182-192
- **Current Understanding of the Biomechanics of Ventricular Tissues in Heart Failure** *BIOENGINEERING-BASEL*
Liu, W., Wang, Z.
2020; 7 (1)