Stanford



Ande Xiaojie Marini

Postdoctoral Scholar, Cardiothoracic Surgery

Curriculum Vitae available Online

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Pittsburgh (2025)
- Bachelor of Science, St Vincent College And Seminary (2018)
- BS, Saint Vincent College , Engineering Science and Biology (2018)
- PhD, The University of Pittsburgh , Bioengineering (2024)

STANFORD ADVISORS

- Ngan Huang, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Stem cell-based therapies for treatment of abdominal aortic aneurysm: development, application, and future potential.** *npj biomedical innovations*
  Badawy, S., Anand, S., Marini, A. X., Mulorz, J., Tsao, P. S., Huang, N. F.
  2025; 2 (1): 41

- **"Attractive" Treatment for Abdominal Aortic Aneurysm Repair: Magnetic Localization of Silk-Iron Packaged Extracellular Vesicles** *JOURNAL OF FUNCTIONAL BIOMATERIALS*
  Marini, A. X., Mcloughlin, K. J., Pellegrino, A. R., Tomaraei, G. N., Li, B., Curci, J. A., Bedewy, M., Weinbaum, J. S., Vorp, D. A.
  2025; 16 (11)

- **Chemical Conjugation of Iron Oxide Nanoparticles for the Development of Magnetically Directable Silk Particles** *ACS APPLIED MATERIALS & INTERFACES*
  Marini, A. X., Tomaraei, G. N., Weinbaum, J. S., Bedewy, M., Vorp, D. A.
  2025; 17 (6): 8901-8913

- **Mesenchymal Stem Cell-Conditioned Media-Loaded Microparticles Enhance Acute Patency in Silk-Based Vascular Grafts** *BIOENGINEERING-BASEL*
  Lorentz, K. L., Marini, A. X., Bruk, L. A., Gupta, P., Mandal, B. B., Dileo, M. V., Weinbaum, J. S., Little, S. R., Vorp, D. A.
  2024; 11 (9)

- **Mechanical and matrix effects of short and long-duration exposure to beta-aminopropionitrile in elastase-induced model abdominal aortic aneurysm in mice** *JVS-VASCULAR SCIENCE*
  Gueldner, P. H., Marini, A. X., Li, B., Darvish, C. J., Chung, T. K., Weinbaum, J. S., Curci, J. A., Vorp, D. A.
  2023; 4: 100098