

Stanford



Alexa Wnorowski

Ph.D. Student in Bioengineering, admitted Autumn 2015

Bio

EDUCATION AND CERTIFICATIONS

- Master of Arts, Stanford University , ED-MA (2021)
- Master of Science, Stanford University , BIOE-MS (2017)
- Bachelor of Science, Cornell University , Bioengineering (2015)

STANFORD ADVISORS

- Joseph Wu, Doctoral Dissertation Advisor (AC)

Publications

PUBLICATIONS

- **Clinical trial in a dish using iPSCs shows lovastatin improves endothelial dysfunction and cellular cross-talk in LMNA cardiomyopathy.** *Science translational medicine*
Sayed, N., Liu, C., Ameen, M., Himmati, F., Zhang, J. Z., Khanamiri, S., Moonen, J., Wnorowski, A., Cheng, L., Rhee, J., Gaddam, S., Wang, K. C., Sallam, et al
2020; 12 (554)
- **Effects of Spaceflight on Human Induced Pluripotent Stem Cell-Derived Cardiomyocyte Structure and Function.** *Stem cell reports*
Wnorowski, A., Sharma, A., Chen, H., Wu, H., Shao, N., Sayed, N., Liu, C., Countryman, S., Stodieck, L. S., Rubins, K. H., Wu, S. M., Lee, P. H., Wu, et al
2019
- **Identifying the Transcriptome Signatures of Calcium Channel Blockers in Human Induced Pluripotent Stem Cell-Derived Cardiomyocytes** *CIRCULATION RESEARCH*
Lam, C., Tian, L., Belbachir, N., Wnorowski, A., Shrestha, R., Ma, N., Kitani, T., Rhee, J., Wu, J. C.
2019; 125 (2): 212–22
- **A Premature Termination Codon Mutation in MYBPC3 Causes Hypertrophic Cardiomyopathy via Chronic Activation of Nonsense-Mediated Decay** *CIRCULATION*
Seeger, T., Shrestha, R., Lam, C., Chen, C., McKeithan, W. L., Lau, E., Wnorowski, A., McMullen, G., Greenhaw, M., Lee, J., Oikonomopoulos, A., Lee, S., Yang, et al
2019; 139 (6): 799–811
- **Progress, obstacles, and limitations in the use of stem cells in organ-on-a-chip models** *ADVANCED DRUG DELIVERY REVIEWS*
Wnorowski, A., Yang, H., Wu, J. C.
2019; 140: 3–11
- **Crystallinity of hydroxyapatite drives myofibroblastic activation and calcification in aortic valves** *ACTA BIOMATERIALIA*
Richards, J. M., Kunitake, J. R., Hunt, H. B., Wnorowski, A. N., Lin, D. W., Boskey, A. L., Donnelly, E., Estroff, L. A., Butcher, J. T.
2018; 71: 24–36
- **3-Dimensionally Printed, Native-Like Scaffolds for Myocardial Tissue Engineering** *CIRCULATION RESEARCH*

Wnorowski, A., Wu, J. C.
2017; 120 (8): 1224-1226

● **Real-time quantification of endothelial response to shear stress and vascular modulators** *INTEGRATIVE BIOLOGY*

DeStefano, J. G., Williams, A., Wnorowski, A., Yimam, N., Searson, P. C., Wong, A. D.
2017; 9 (4): 362-74