



Beu Primavera Oropeza

Postdoctoral Scholar, Cardiothoracic Surgery

Bio

STANFORD ADVISORS

- Ngan Huang, Postdoctoral Faculty Sponsor

Research & Scholarship

LAB AFFILIATIONS

- Ngan Huang, Huang Lab (6/13/2022)

Publications

PUBLICATIONS

- **Bioengineering Cell Therapy for Treatment of Peripheral Artery Disease.** *Arteriosclerosis, thrombosis, and vascular biology*
Huang, N. F., Stern, B., Oropeza, B. P., Zaitseva, T. S., Pauksho, M. V., Zoldan, J.
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- **Cardiovascular human organ-on-a-chip platform for disease modeling, drug development, and personalized therapy.** *Journal of biomedical materials research. Part A*
Khanna, A., Oropeza, B. P., Huang, N. F.
2023
- **Combinatorial extracellular matrix cues with mechanical strain induce differential effects on myogenesis in vitro.** *Biomaterials science*
Chan, A. H., Jain, I., Oropeza, B. P., Zhou, T., Nelsen, B., Geisse, N. A., Huang, N. F.
2023
- **#-Glucan-Mediated Oral Codelivery of 5FU and Bcl2 siRNA Attenuates Stomach Cancer.** *ACS applied materials & interfaces*
Afrin, H., Esquivel, S. V., Kumar, R., Zahid, M. I., Oropeza, B., Rahman, M. F., Boland, T., Nurunnabi, M.
2023; 15 (27): 32188-32200
- **Multiomics Analyses of Peripheral Artery Disease Muscle Biopsies.** *Circulation research*
Jain, I., Oropeza, B. P., Huang, N. F.
2023; 132 (11): 1444-1446
- **Elastin-like protein hydrogels with controllable stress relaxation rate and stiffness modulate endothelial cell function.** *Journal of biomedical materials research. Part A*
Shayan, M., Huang, M. S., Navarro, R., Chiang, G., Hu, C., Oropeza, B. P., Johansson, P. K., Suhar, R. A., Foster, A. A., LeSavage, B. L., Zamani, M., Enejder, A., Roth, et al
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- **Engineering Spatiotemporal Control in Vascularized Tissues.** *Bioengineering (Basel, Switzerland)*
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- **Detection of Anticancer Drug-Induced Cardiotoxicity Using VCAM1-Targeted Nanoprobes** *ACS APPLIED MATERIALS & INTERFACES*
Afrin, H., Huda, M., Islam, T., Oropeza, B. P., Alvidrez, E., Abir, M. I., Boland, T., Turbay, D., Nurunnabi, M.
2022; 14 (33): 37566-37576
- **Assessment of Angiogenesis and Cell Survivability of an Inkjet Bioprinted Biological Implant in an Animal Model** *MATERIALS*
Oropeza, B. P., Serna, C., Furth, M. E., Solis, L. H., Gonzalez, C. E., Altamirano, V., Alvarado, D. C., Castor, J. A., Cedeno, J. A., Vega, D., Cordova, O., Deaguero, I. G., Delgado, et al
2022; 15 (13)
- **Bioprinting of Decellularized Porcine Cardiac Tissue for Large-Scale Aortic Models** *FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY*
Oropeza, B. P., Adams, J. R., Furth, M. E., Chessa, J., Boland, T.
2022; 10: 855186
- **Kinetics of collagen microneedle drug delivery system** *JOURNAL OF DRUG DELIVERY SCIENCE AND TECHNOLOGY*
Aditya, A., Kim, B., Koyani, R. D., Oropeza, B., Furth, M., Kim, J., Kim, N.
2019; 52: 618-623
- **Whole genome comparison of a large collection of mycobacteriophages reveals a continuum of phage genetic diversity.** *eLife*
Pope, W. H., Bowman, C. A., Russell, D. A., Jacobs-Sera, D., Asai, D. J., Cresawn, S. G., Jacobs, W. R., Hendrix, R. W., Lawrence, J. G., Hatfull, G. F.
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