Stanford

Peng Zhao

Postdoctoral Scholar, Orthopedic Surgery

Bio

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Tsinghua University (2023)

STANFORD ADVISORS

- Yunzhi Peter Yang, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Hybrid Bioprinting for functionally graded tissue engineering constructs with patterned and localized biochemical signals.** *Advanced composites and hybrid materials*
  Li, J., Kim, C., Alizadeh, H. V., Garg, S., Bruyas, A., Zhao, P., Passos, I. S., Pan, C. C., Pérez, A. S., Skylar-Scott, M. A., Kim, S., Yang, Y. P.
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- **VEGF-D-induced intraosseous lymphangiogenesis drives site-specific heterotopic bone resorption.** *Proceedings of the National Academy of Sciences of the United States of America*
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- **hESCs-derived Organoids Achieve Liver Zonation Features through LSEC Modulation.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*
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- **Superimposed Electric Field Enhanced Electrospray for High-Throughput and Consistent Cell Encapsulation.** *Advanced healthcare materials*
  Fan, Z., Chen, Y., Yang, Z., Niu, Y., Liang, K., Zhang, Y., Zeng, J., Feng, Y., Zhang, Y., Liu, Y., Lv, C., Zhao, P., Zhou, et al
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- **Cell mediated ECM-degradation as an emerging tool for anti-fibrotic strategy.** *Cell regeneration (London, England)*
  Zhao, P., Sun, T., Lyu, C., Liang, K., Du, Y.
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- **Advanced glycation end-products as mediators of the aberrant crosslinking of extracellular matrix in scarred liver tissue** *NATURE BIOMEDICAL ENGINEERING*
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- **Scar-Degrading Endothelial Cells as a Treatment for Advanced Liver Fibrosis** *ADVANCED SCIENCE*
  Zhao, P., Sun, T., Lyu, C., Liang, K., Niu, Y., Zhang, Y., Cao, C., Xiang, C., Du, Y.
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- **3D biomaterial P scaffolds carrying umbilical cord mesenchymal stem cells improve biointegration of keratoprosthesis.** *Biomedical materials (Bristol, England)*
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- **Synthetic liver fibrotic niche extracts achieve in vitro hepatoblasts phenotype enhancement and expansion.** *iScience*
  Zhang, Y., Guo, A., Lyu, C., Bi, R., Wu, Z., Li, W., Zhao, P., Niu, Y., Na, J., Xi, J. J., Du, Y.
  2021; 24 (11): 103303
- **Cryoprotectant enables structural control of porous scaffolds for exploration of cellular mechano-responsiveness in 3D** *NATURE COMMUNICATIONS*
  Jiang, S., Lyu, C., Zhao, P., Li, W., Kong, W., Huang, C., Genin, G. M., Du, Y.
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