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INSTITUTE AFFILIATIONS

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

STANFORD ADVISORS

- Sarah Heilshorn, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Tuning Viscoelasticity of Dynamic Covalent Hydrogels for Human Tissue Modeling** *ADVANCED FUNCTIONAL MATERIALS*
  de Paiva Narciso, N., Christakopoulos, F., Huang, M. S., Baugh, N. J., Huerta-Lopez, C., Matos, E. X., Pashin, K. P., Spakowitz, A. J., Heilshorn, S. C.
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- **In situ rheological monitoring of diffusion-controlled hydrogel crosslinking for embedded 3D bioprinting.** *Biofabrication*
  Christakopoulos, F., Shih, A., Chung, S. J., Huerta-López, C., Brunel, L. G., De Paiva Narciso, N., Messin-Roizard, C., Tao, J., Myung, D., Heilshorn, S., Fuller, G. G.
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- **Targeting Cell-Matrix Induced Chemoresistance With Regorafenib in a 3D Model of Osteosarcoma.** *Journal of biomedical materials research. Part A*
  Rao, R. R., Huang, M. S., Zhang, D., Huerta-López, C., Long, C., Rodriguez, G. A., Mozipo, E. A., Sagi, S., Heilshorn, S. C.
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- **Organoid bioprinting to pattern the matrix microenvironment.** *Current opinion in biomedical engineering*
  Zhang, D., Huerta-López, C., Heilshorn, S. C.
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- **Viscoelastic N#cadherin-like interactions maintain neural progenitor cell stemness within 3D matrices.** *Nature communications*
  Huang, M. S., LeSavage, B. L., Ghorbani, S., Gilchrist, A. E., Roth, J. G., Huerta-López, C., Mozipo, E. A., Navarro, R. S., Heilshorn, S. C.
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- **Engineered matrices reveal stiffness-mediated chemoresistance in patient-derived pancreatic cancer organoids.** *Nature materials*
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