Stanford

Soham Sinha

Ph.D. Student in Bioengineering, admitted Autumn 2020

Bio

EDUCATION AND CERTIFICATIONS

- Master of Science, Stanford University , BIOE-MS (2022)
- BS, Georgia Institute of Technology , Chemistry (2020)
- BS, Georgia Institute of Technology , Chemical and Biomolecular Engineering (2020)

LINKS

- Personal Site: https://1sohamsinha.wixsite.com/sohamsinha

Publications

PUBLICATIONS

- **Rapid Model-Guided Design of Organ-Scale Synthetic Vasculature for Biomanufacturing.** *Science*
  Sexton, Z. A., Rütsche, D., Herrmann, J. E., Hudson, A. R., Sinha, S., Du, J., Shiwarski, D. J., Masaltseva, A., Solberg, F. S., Pham, J., Szafron, J. M., Wu, S. M., Feinberg, et al
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- **Scalable Human IPSC-to-3D Bioprinting Pipeline: Successful Large-Scale Production Using Automated Bioreactor Systems**
  Ladi, R., Ho, D., Lee, S., Du, J., Weiss, J., Tam, T., Sinha, S., Klinger, D., Devine, S., Hamfeldt, A., Leng, H., Herrmann, J., He, et al
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- **A Visual, In-Expensive, and Wireless Capillary Rheometer for Characterizing Wholly-Cellular Bioinks.** *Small (Weinheim an der Bergstrasse, Germany)*
  Du, J., Lee, S., Sinha, S., Solberg, F. S., Ho, D. L., Sampson, J. P., Wang, Q., Tam, T., Skylar-Scott, M. A.
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- **Large-Scale Production of Wholly-Cellular Bioinks via the Optimization of Human Induced Pluripotent Stem Cell Aggregate Culture in Automated Bioreactors.** *Advanced healthcare materials*
  Ho, D. L., Lee, S., Du, J., Weiss, J. D., Tam, T., Sinha, S., Klinger, D., Devine, S., Hamfeldt, A., Leng, H. T., Herrmann, J. E., He, M., Fradkin, et al
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- **LoCHAid: An ultra-low-cost hearing aid for age-related hearing loss** *PLOS ONE*
  Sinha, S., Irani, U. D., Manchaiah, V., Bhamla, M.
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- **ElectroPen: An ultra-low-cost, electricity-free, portable electroporator.** *PLoS biology*
  Byagathvalli, G., Sinha, S., Zhang, Y., Styczynski, M. P., Standeven, J., Bhamla, M. S.
  2020; 18 (1): e3000589
- **A 3D-printed hand-powered centrifuge for molecular biology.** *PLoS biology*
  Byagathvalli, G., Pomerantz, A., Sinha, S., Standeven, J., Bhamla, M. S.

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