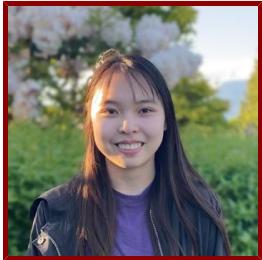


Stanford



Betty Cai

Ph.D. Student in Materials Science and Engineering, admitted Autumn 2021

Bio

INSTITUTE AFFILIATIONS

- Member (Student), Cardiovascular Institute

EDUCATION AND CERTIFICATIONS

- BSc, University of British Columbia , Materials Engineering (2021)

LINKS

- LinkedIn Profile: <https://linkedin.com/in/betty-cai>

Publications

PUBLICATIONS

- **Diffusion-Based 3D Bioprinting Strategies.** *Advanced science (Weinheim, Baden-Wurttemberg, Germany)*

Cai, B., Kilian, D., Ramos Mejia, D., Rios, R. J., Ali, A., Heilshorn, S. C.
2023: e2306470

- **Embedded 3d Bioprinting of Collagen Inks into Microgel Baths to control hydrogel Microstructure and Cell Spreading.** *Advanced healthcare materials*

Brunel, L. G., Christakopoulos, F., Kilian, D., Cai, B., Hull, S. M., Myung, D., Heilshorn, S. C.
2023: e2303325

- **Gelation of Uniform Interfacial Diffusant in Embedded 3D Printing** *ADVANCED FUNCTIONAL MATERIALS*

Shin, S., Brunel, L. G., Cai, B., Kilian, D., Roth, J. G., Seymour, A. J., Heilshorn, S. C.
2023

- **Spatially controlled construction of assembloids using bioprinting.** *Nature communications*

Roth, J. G., Brunel, L. G., Huang, M. S., Liu, Y., Cai, B., Sinha, S., Yang, F., Pa#ca, S. P., Shin, S., Heilshorn, S. C.
2023; 14 (1): 4346

- **3D bioprinting of dynamic hydrogel bioinks enabled by small molecule modulators.** *Science advances*

Hull, S. M., Lou, J., Lindsay, C. D., Navarro, R. S., Cai, B., Brunel, L. G., Westerfield, A. D., Xia, Y., Heilshorn, S. C.
2023; 9 (13): eade7880

- **Enhancing Metabolome Coverage in Data-Dependent LC-MS/MS Analysis through an Integrated Feature Extraction Strategy** *ANALYTICAL CHEMISTRY*

Hu, Y., Cai, B., Huan, T.
2019; 91 (22): 14433-14441