

Stanford



Jeff Hsiao

Postdoctoral Scholar, Microbiology and Immunology

Bio

INSTITUTE AFFILIATIONS

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

HONORS AND AWARDS

- T32 Postdoctoral Training Grant, NIH (2025-2026)
- NSF Graduate Research Fellowship Program (GRFP), NSF (2018-2023)
- Whitaker Foundation International Fellowship, The Whitaker Foundation (2017-2018)
- Cal Alumni Association Leadership Award, UC Berkeley (2015)

PROFESSIONAL EDUCATION

- Ph.D., Massachusetts Institute of Technology , Biological Engineering (2025)
- B.S., University of California, Berkeley , Bioengineering (2017)

STANFORD ADVISORS

- Denise Monack, Postdoctoral Faculty Sponsor

LINKS

- Google Scholar: <https://scholar.google.com/citations?user=A5VBMagAAAAJ&hl=en>

Publications

PUBLICATIONS

- **Breast milk antibody Fc signatures track with HIV transmission during breastfeeding in ART-naive mothers** *ISCIENCE*
Nziza, N., Jung, W., Lee, Y., Hsiao, J. C., Chen, T., Li, F., Atyeo, C., Lauffenburger, D. A., Kuhn, L., Tobin, N. H., Aldrovandi, G. M., Alter, G., Julg, et al
2026; 29 (4): 115520
- **Fc-engineered antibodies promote neutrophil-dependent control of *Mycobacterium tuberculosis*** *NATURE MICROBIOLOGY*
Irvine, E. B., Nikolov, A., Khan, M. Z., Peters, J. M., Lu, R., Sixsmith, J., Wallace, A., van Woudenberg, E., Shin, S., Karpinski, W., Hsiao, J. C., Casadevall, A., Bryson, et al
2024; 9 (9): 2369-2382
- **Mucins protect against *Streptococcus pneumoniae* virulence by suppressing pneumolysin expression.** *The Journal of clinical investigation*
Bath, J., Bjånes, E., Goekeri, C., Hsiao, J., Uzun, D., Nouailles, G., Nizet, V., Ribbeck, K.
2024; 134 (19)

- **Upper and lower respiratory tract correlates of protection against respiratory syncytial virus following vaccination of nonhuman primates** *CELL HOST & MICROBE*
Zohar, T., Hsiao, J. C., Mehta, N., Das, J., Devadhasan, A., Karpinski, W., Callahan, C., Citron, M. P., DiStefano, D. J., Touch, S., Wen, Z., Sachs, J. R., Cejas, et al
2022; 30 (1): 41-+
- **Tuning DNA-nanoparticle conjugate properties allows modulation of nuclease activity** *NANOSCALE*
Hsiao, J. C., Buryska, T., Kim, E., Howes, P. D., deMello, A. J.
2021; 13 (9): 4956-4970
- **Slit pores preferred over cylindrical pores for high selectivity in biomolecular filtration** *JOURNAL OF COLLOID AND INTERFACE SCIENCE*
Feinberg, B. J., Hsiao, J. C., Park, J., Zydney, A. L., Fissell, W. H., Roy, S.
2018; 517: 176-181
- **Silicon nanoporous membranes as a rigorous platform for validation of biomolecular transport models** *JOURNAL OF MEMBRANE SCIENCE*
Feinberg, B. J., Hsiao, J. C., Park, J., Zydney, A. L., Fissell, W. H., Roy, S.
2017; 536: 44-51
- **Picoliter-volume inkjet printing into planar microdevice reservoirs for low-waste, high-capacity drug loading** *BIOENGINEERING & TRANSLATIONAL MEDICINE*
Fox, C. B., Nemeth, C. L., Chevalier, R. W., Cantlon, J., Bogdanoff, D. B., Hsiao, J. C., Desai, T. A.
2017; 2 (1): 9-16