



Michelle Berkeley Chen

Postdoctoral Research Fellow, Bioengineering

Bio

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Massachusetts Institute of Technology (2017)
- Masters, Massachusetts Institute of Technology (2014)
- Bachelor of Science, University of Toronto (2012)

STANFORD ADVISORS

- Stephen Quake, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Brain Endothelial Cells Are Exquisite Sensors of Age-Related Circulatory Cues.** *Cell reports*
Chen, M. B., Yang, A. C., Yousef, H., Lee, D., Chen, W., Schaum, N., Lehallier, B., Quake, S. R., Wyss-Coray, T.
2020; 30 (13): 4418
- **Balance of mechanical forces drives endothelial gap formation and may facilitate cancer and immune-cell extravasation** *PLOS COMPUTATIONAL BIOLOGY*
Escribano, J., Chen, M. B., Moeendarbary, E., Cao, X., Shenoy, V., Garcia-Aznar, J., Kamm, R. D., Spill, F.
2019; 15 (5)
- **Platelet decoys inhibit thrombosis and prevent metastatic tumor formation in preclinical models** *SCIENCE TRANSLATIONAL MEDICINE*
Papa, A., Jiang, A., Korin, N., Chen, M. B., Langan, E. T., Waterhouse, A., Nash, E., Caroff, J., Graveline, A., Vernet, A., Mammoto, A., Mammoto, T., Jain, et al
2019; 11 (479)
- **Aged blood impairs hippocampal neural precursor activity and activates microglia via brain endothelial cell VCAM1.** *Nature medicine*
Yousef, H., Czupalla, C. J., Lee, D., Chen, M. B., Burke, A. N., Zera, K. A., Zandstra, J., Berber, E., Lehallier, B., Mathur, V., Nair, R. V., Bonanno, L. N., Yang, et al
2019
- **Single-cell transcriptomics of 20 mouse organs creates a Tabula Muris.** *Nature*
2018; 562 (7727): 367–72