

## Olivia Zhou

- MD Student, expected graduation Spring 2026
- Ph.D. Student in Biophysics, admitted Autumn 2020
- MSTP Student

### Publications

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#### PUBLICATIONS

- **Targeting immune cells in the aged brain reveals that engineered cytokine IL-10 enhances neurogenesis and improves cognition.** *Immunity*  
Navarro Negredo, P., You, J., Hauptschein, M., Schroer, A. B., Richard, D. J., Abhiraman, G. C., Tsai, A. P., Sun, E. D., Notarangelo, G., Ramirez-Matias, J., Zhou, O. Y., Buckley, M. T., Malacon, et al  
2026
- **Spatial transcriptomic clocks reveal cell proximity effects in brain ageing.** *Nature*  
Sun, E. D., Zhou, O. Y., Hauptschein, M., Rappoport, N., Xu, L., Navarro Negredo, P., Liu, L., Rando, T. A., Zou, J., Brunet, A.  
2024
- **Spatiotemporal transcriptomic profiling and modeling of mouse brain at single-cell resolution reveals cell proximity effects of aging and rejuvenation.** *bioRxiv : the preprint server for biology*  
Sun, E. D., Zhou, O. Y., Hauptschein, M., Rappoport, N., Xu, L., Navarro Negredo, P., Liu, L., Rando, T. A., Zou, J., Brunet, A.  
2024
- **Chromatin accessibility dynamics of neurogenic niche cells reveal defects in neural stem cell adhesion and migration during aging.** *Nature aging*  
Yeo, R. W., Zhou, O. Y., Zhong, B. L., Sun, E. D., Navarro Negredo, P., Nair, S., Sharmin, M., Ruetz, T. J., Wilson, M., Kundaje, A., Dunn, A. R., Brunet, A.  
2023
- **Seeing is believing: old clones die young.** *Nature aging*  
Zhou, O. Y., Brunet, A.  
2023; 3 (4): 371-373
- **Seeing is believing: old clones die young** *NATURE AGING*  
Zhou, O. Y., Brunet, A.  
2023
- **Brain Metastases from Endometrial Cancer: Clinical Characteristics, Outcomes, and Review of the Literature.** *World neurosurgery*  
Bhambhani, H. P., Zhou, O. n., Cattle, C. n., Taiwo, R. n., Diver, E. n., Gephart, M. H.  
2020