

## Andy Katznelson

Postdoctoral Scholar, Developmental Biology

### Bio

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#### PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Pennsylvania (2025)
- M.Phil., University of Cambridge (2018)
- B.S., University of California, Davis (2017)

#### STANFORD ADVISORS

- Will Allen, Postdoctoral Faculty Sponsor

### Publications

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#### PUBLICATIONS

- **Basis for lineage-determining pioneer factors targeting distinct repressed chromatin states.** *Science advances*  
Katznelson, A., Zhang, J., Donahue, G., Zaret, K. S.  
2026; 12 (2): eadz7409
- **ERH Enables Early Embryonic Differentiation and Overlays H3K9me3 Heterochromatin on a Cryptic Pluripotency H3K9me3 Landscape in Somatic Cells.** *bioRxiv : the preprint server for biology*  
Katznelson, A., Hernandez, B., Fahning, H., Tapia, K., Burton, A., Zhang, J., Torres-Padilla, M. E., Plachta, N., Zaret, K. S., McCarthy, R. L.  
2025
- **A fluorescence-based protocol to quantitatively titrate CUT&RUN buffer components.** *STAR protocols*  
Katznelson, A., Zaret, K.  
2024; 5 (1): 102866
- **Cellular reprogramming in vivo initiated by SOX4 pioneer factor activity.** *Nature communications*  
Katsuda, T., Sussman, J. H., Ito, K., Katznelson, A., Yuan, S., Takenaka, N., Li, J., Merrell, A. J., Cure, H., Li, Q., Rasool, R. U., Asangani, I. A., Zaret, et al  
2024; 15 (1): 1761
- **Different chromatin-scanning modes lead to targeting of compacted chromatin by pioneer factors FOXA1 and SOX2.** *Cell reports*  
Lerner, J., Katznelson, A., Zhang, J., Zaret, K. S.  
2023; 42 (7): 112748
- **Why Wolbachia-induced cytoplasmic incompatibility is so common.** *Proceedings of the National Academy of Sciences of the United States of America*  
Turelli, M., Katznelson, A., Ginsberg, P. S.  
2022; 119 (47): e2211637119