Stanford

Y. Howard Li

Postdoctoral Scholar, Ophthalmology

Bio

BIO

Dr. Yuanhao Howard Li received his B.S. and Ph.D. in Brain and Cognitive Sciences at the University of Rochester, and he is currently a Postdoctoral Scholar in the Department of Ophthalmology at Stanford School of Medicine. His research is focused on how eye movements shape visual perception and how, in return, the oculomotor system utilizes eye movements to optimize visual information processing. His current projects apply eye-tracking and computational models to investigate and relationship between anatomical structure and oculomotor behavior in clinical populations with visual field impairment or abnormal motor control. This research aims to provide a better understanding of our brains and eyes, as well as potential applications in disease diagnosis and rehabilitation.

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Rochester (2025)
- Bachelor of Science, University of Rochester (2020)
- BS, University of Rochester , Brain and Cognitive Sciences (2020)
- BA, University of Rochester , Japanese (2020)
- PhD, University of Rochester , Brain and Cognitive Sciences (2025)

STANFORD ADVISORS

- Yaping Liao, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Chromatic induction and retinal image motion.** *Perception*
  Li, Y. H., Rucci, M., Aguado, B., Maho, C. M., Poletti, M., Brenner, E.
  2026: 3010066251409616
- **Consequences of eye movements for spatial selectivity.** *Current biology : CB*
  Intoy, J., Li, Y. H., Bowers, N. R., Victor, J. D., Poletti, M., Rucci, M.
  2024; 34 (14): 3265-3272.e4
- **Fine-scale measurement of the blind spot borders.** *Vision research*
  Meermeier, A., Lappe, M., Li, Y. H., Rifai, K., Wahl, S., Rucci, M.
  2023; 211: 108208
- **Complement-dependent synapse loss and microgliosis in a mouse model of multiple sclerosis.** *Brain, behavior, and immunity*
  Hammond, J. W., Bellizzi, M. J., Ware, C., Qiu, W. Q., Saminathan, P., Li, H., Luo, S., Ma, S. A., Li, Y., Gelbard, H. A.
  2020; 87: 739-750