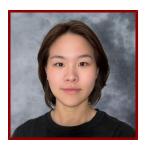# Stanford

Xiaojing Huang

Postdoctoral Scholar, Ophthalmology

Bio

BIO

Xiaojing earned her Bachelor of Science in Optical Engineering, graduating cum laude, from the University of Rochester in 2018. Continuing her academic journey at the same institution, she began her graduate studies in optics in the spring of 2019. Under the supervision of Professors Julie Bentley and Alfredo Dubra, she completed her PhD in 2024. The same year, Xiaojing joined Stanford University as a postdoctoral researcher, furthering her exploration and contributions to the field of adaptive optics retinal imaging.

HONORS AND AWARDS

- ARVO Foundation Travel Grant, Association for Research in Vision and Ophthalmology (2024)
- Kevin Thompson Award, University of Rochester (2018)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Missouri Academy of Science, Math & Computing (2024)
- Doctor of Philosophy, University of Rochester (2024)
- Bachelor of Science, Missouri Academy of Science, Math & Computing (2018)
- Bachelor of Science, University of Rochester (2018)
- PhD, University of Rochester , Optics (2024)
- BSc, University of Rochester , Optical Engineering (2018)

STANFORD ADVISORS

- Alfredo Dubra, Postdoctoral Faculty Sponsor

LINKS

- Linkedin: https://www.linkedin.com/in/graycehuang
- Lab Site: https://dubralab.stanford.edu

Publications

PUBLICATIONS

- **Retinal magnification factors at the fixation locus derived from schematic eyes with four individualized surfaces.** *Biomedical optics express*
  Huang, X., Anderson, T., Dubra, A.
  2022; 13 (7): 3786-3808

- **Hybrid FPGA-CPU pupil tracker.** *Biomedical optics express*

Kowalski, B., Huang, X., Steven, S., Dubra, A.

2021; 12 (10): 6496-6513

- **Correction of resonant optical scanner dynamic aberrations using nodal aberration theory** *OPTICS EXPRESS*

  Huang, X., Dubra, A.

  2021; 29 (7): 10346–63