



Tsai-Chu Yeh, MD, MTM

Postdoctoral Scholar, Ophthalmology

Bio

BIO

Dr. Tsai-Chu Yeh is a dedicated vitreoretinal surgeon and scientist. During residency, she was honored with the Best Resident Award, and her research has been featured in Medscape News and the American Academy of Ophthalmology, earning numerous awards from the Association for Research in Vision and Ophthalmology, American Society of Retina Specialists, Fuji Retina, and the Taiwan Retina and Ocular Inflammation Society.

Beyond advancing science, Dr. Yeh is deeply committed to inspiring the next generation by making translational medicine both accessible and impactful. She received the Best Teacher Award for five consecutive years and was promoted to assistant professor as one of the youngest scholars in her field.

Motivated by a passion to bridge science and medicine, she joined the Mahajan Lab at Stanford University as a postdoctoral scholar, where she developed expertise in molecular genetics, honed her passion for discovery, and embraced the lessons of resilience and perseverance. Her research focuses on identifying protein signatures and molecular mechanisms underlying vitreoretinal diseases, aiming to pave the way for targeted, vision-restoring therapies.

Outside the lab and clinic, Dr. Yeh is a true renaissance woman. She finds joy in reading, music and art, and cherishes time with her family and friends. She also enjoys traveling, tennis, and golf. Her vibrant spirit infuses everything she does—bringing energy, empathy, and excellence to her work as a clinician, scientist, and surgeon.

PROFESSIONAL EDUCATION

- Master of Science, University of California Berkeley , Translational Medicine (2018)
- Master of Science, University of California San Francisco , Translational Medicine (2018)
- Doctor of Medicine, National Yang Ming Chiao Tung University , Medicine (2017)
- Fellowship, Taipei Veterans General Hospital , Surgical Retina (2024)
- Residency, Taipei Veterans General Hospital , Ophthalmology (2023)

STANFORD ADVISORS

- Vinit Mahajan, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **A Simplified Classification for Age-Related Macular Degeneration Based on Optical Coherence Tomography.** *medRxiv : the preprint server for health sciences*
Yeh, T. C., Lin, J. B., Mruthyunjaya, P., Leng, T., DeBoer, C., Sepah, Y. J., Almeida, D. R., Smith, S., Mahajan, V. B.
2026
- **Multi-omics liquid biopsy identifies mitochondrial dysfunction in geographic atrophy and supports the longevity-associated metabolite α -ketoglutarate as a therapeutic strategy.** *medRxiv : the preprint server for health sciences*
Yeh, T. C., Velez, G., Prasad, A., Lee, S. H., Rasmussen, D. K., Kumar, A., Chadha, M., Dabaja, M. Z., Singh, A. M., Sanislo, S., Smith, S., Mruthyunjaya, P., Montague, et al
2026
- **Protocol to extract tear fluid for proteomics using Schirmer strips.** *STAR protocols*
Ngo, G. H., Chadha, M., Sun, Y. J., Yu, G., Lee, S. H., Yeh, T. C., Almeida, D. R., Bassuk, A. G., Mruthyunjaya, P., Dufour, A., Mahajan, V. B.
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