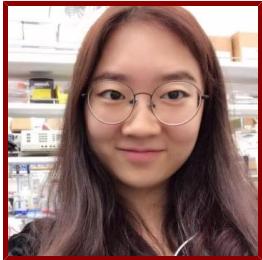


# Stanford

---



## Ke Ning

Postdoctoral Scholar, Ophthalmology

### Bio

---

#### BIO

Dr. Ning currently joins Dr. Yang Sun's lab as a postdoctoral fellow at Dept. of Ophthalmology, Stanford University. Her current research interests include cilia-mediated signaling in RPE-related diseases and glaucoma. Dr. Ning received her MD at Xiamen University in China and completed her internship at Zhongshan Hospital Affiliated with Xiamen University. Her long-term research interest is to understand primary cilia roles in ocular development and how alterations in cilia-related gene expression contribute to eye diseases. Her further goal is to be a physician-scientist and to translate scientific discoveries to patient therapies. Some of her hobbies are cycling, reading, and skiing.

### Publications

---

#### PUBLICATIONS

- **Optogenetic stimulation of phosphoinositides reveals a critical role of primary cilia in eye pressure regulation** *SCIENCE ADVANCES*  
Prosseda, P. P., Alvarado, J. A., Wang, B., Kowal, T. J., Ning, K., Stamer, W., Hu, Y., Sun, Y.  
2020; 6 (18)
- **Defective INPP5E distribution in NPHP1-related Senior-Loken syndrome.** *Molecular genetics & genomic medicine*  
Ning, K. n., Song, E. n., Sendayen, B. E., Prosseda, P. P., Chang, K. C., Ghaffarieh, A. n., Alvarado, J. A., Wang, B. n., Haider, K. M., Berbari, N. F., Hu, Y. n., Sun, Y. n.  
2020: e1566
- **Developmental Distribution of Primary Cilia in the Retinofugal Visual Pathway.** *The Journal of comparative neurology*  
Alvarado, J. A., Dhande, O. S., Prosseda, P. P., Kowal, T. J., Ning, K. n., Jabbehdari, S. n., Hu, Y. n., Sun, Y. n.  
2020
- **Oculocerebrorenal Syndrome of Lowe: Characterizations of Ocular Presentation and Management**  
Ma, X., Ning, K., Kowal, T., Sun, Y.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **The Role of Phosphoinositides in Aqueous Humor Dynamics via Optogenetic Stimulation in the Trabecular Meshwork**  
Alvarado, J., Prosseda, P., Ning, K., Kowal, T., Wang, B., Hu, Y., Sun, Y.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **Role of inositol phosphatase OCRL in microtubule nucleation: Implications for Oculocerebrorenal Syndrome of Lowe**  
Kowal, T., Wang, B., Prosseda, P., Alvarado, J., He, W., Ning, K., Hu, Y., Sun, Y.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019
- **Characterization of primary cilia in mouse retina during retinal development**  
Ning, K., Kowal, T., Chang, K., Alvarado, J., Silva, R., Kreymerman, A., Mahajan, V. B., Hu, Y., Sun, Y.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2019

● **Review of Ocular Manifestations of Joubert Syndrome GENES**

Wang, S. F., Kowal, T. J., Ning, K., Koo, E. B., Wu, A. Y., Mahajan, V. B., Sun, Y.  
2018; 9 (12)

● **The role of inositol phosphatase OCRL in microtubule nucleation: Implications for Oculocerebrorenal Syndrome of Lowe**

Wang, B., Prosseda, P. P., He, W., Kowal, T., Alvarado, J. A., Ning, K., Sun, Y.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018

● **Ocular and renal phenotypes of NPHP1 deletion in Senior Loken syndrome**

Ning, K., Song, E., Haider, K. M., Ghaffarieh, A., Alvarado, J. A., Sun, Y.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018

● **Optogenetic Regulation of Aqueous Outflow in Mouse Trabecular Meshwork**

Alvarado, J. A., Prosseda, P. P., Luo, N., Wang, B., Ning, K., He, W., Kowal, T., Sun, Y.  
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018

● **Sleep deprivation disrupts the lacrimal system and induces dry eye disease. Experimental & molecular medicine**

Li, S., Ning, K., Zhou, J., Guo, Y., Zhang, H., Zhu, Y., Zhang, L., Jia, C., Chen, Y., Sol Reinach, P., Liu, Z., Li, W.  
2018; 50 (3): e451

● **Ectodysplasin A regulates epithelial barrier function through sonic hedgehog signalling pathway. Journal of cellular and molecular medicine**

Li, S., Zhou, J., Zhang, L., Li, J., Yu, J., Ning, K., Qu, Y., He, H., Chen, Y., Reinach, P. S., Liu, C. Y., Liu, Z., Li, et al  
2018; 22 (1): 230-240

● **Ectodysplasin A protein promotes corneal epithelial cell proliferation. The Journal of biological chemistry**

Li, S., Zhou, J., Bu, J., Ning, K., Zhang, L., Li, J., Guo, Y., He, X., He, H., Cai, X., Chen, Y., Reinach, P. S., Liu, et al  
2017; 292 (32): 13391-13401