

## Sahil H. Shah

Resident in Ophthalmology

### Research & Scholarship

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#### LAB AFFILIATIONS

- Sui Wang, Wang Lab (7/18/2022)
- Jeffrey Goldberg, Goldberg Lab (6/1/2014)

### Publications

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#### PUBLICATIONS

- **A molecular switch for neuroprotective astrocyte reactivity.** *Nature*  
Cameron, E. G., Nahmou, M., Toth, A. B., Heo, L., Tanasa, B., Dalal, R., Yan, W., Nallagatla, P., Xia, X., Hay, S., Knasel, C., Stiles, T. L., Douglas, et al  
2023
- **Kif5a Regulates Mitochondrial Transport in Developing Retinal Ganglion Cells In Vitro.** *Investigative ophthalmology & visual science*  
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2023; 64 (3): 4
- **Mettl14-mediated m6A modification ensures the cell-cycle progression of late-born retinal progenitor cells.** *Cell Reports*  
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2023
- **Directly induced human retinal ganglion cells mimic fetal RGCs and are neuroprotective after transplantation in vivo.** *Stem cell reports*  
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- **Elk-1 regulates retinal ganglion cell axon regeneration after injury.** *Scientific reports*  
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- **Quantitative BONCAT (QBONCAT) allows identification of newly synthesized proteins after optic nerve injury.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*  
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- **Quantitative transportomics identifies Kif5a as a major regulator of neurodegeneration.** *eLife*  
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2022; 11
- **Assessment of Respiratory Droplet Transmission During the Ophthalmic Slit-Lamp Exam: A Particle Tracking Analysis** *AMERICAN JOURNAL OF OPHTHALMOLOGY*  
Shah, S. H., Garg, A. K., Patel, S., Yim, W., Jokerst, J., Chao, D. L.  
2021; 222: 76-81

- **Assessing the Physiological Relevance of Cough Simulators for Respiratory Droplet Dispersion** *JOURNAL OF CLINICAL MEDICINE*  
Patel, S. H., Yim, W., Garg, A. K., Shah, S. H., Jokerst, J., Chao, D. L.  
2020; 9 (9)
- **MEF2 transcription factors differentially contribute to retinal ganglion cell loss after optic nerve injury.** *PloS one*  
Xia, X. n., Yu, C. Y., Bian, M. n., Sun, C. B., Tanasa, B. n., Chang, K. C., Bruffett, D. M., Thakur, H. n., Shah, S. H., Knasel, C. n., Cameron, E. G., Kapiloff, M. S., Goldberg, et al  
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- **Cholinergic neural activity directs retinal layer-specific angiogenesis and blood retinal barrier formation** *NATURE COMMUNICATIONS*  
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- **The Role of Axon Transport in Neuroprotection and Regeneration** *DEVELOPMENTAL NEUROBIOLOGY*  
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- **Mass Spectrometry-Based Visualization of Molecules Associated with Human Habitats** *ANALYTICAL CHEMISTRY*  
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- **A functional circuit model of interaural time difference processing** *JOURNAL OF NEUROPHYSIOLOGY*  
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- **Maps of ITD in the Nucleus Laminaris of the Barn Owl**  
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- **Twice-weekly fluconazole prophylaxis in premature infants: Association with cholestasis** *PEDIATRICS INTERNATIONAL*  
Bhat, V., Fojas, M., Saslow, J. G., Shah, S., Sannoh, S., Amendolia, B., Pyon, K., Kemble, N., Stahl, G., Aghai, Z. H.  
2011; 53 (4): 475-479
- **The Effect of Comprehensive Infection Control Measures on the Rate of Late-Onset Bloodstream Infections in Very Low-Birth-Weight Infants** *AMERICAN JOURNAL OF PERINATOLOGY*  
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