

Stanford



Brent Young

Postdoctoral Scholar, Ophthalmology

Bio

HONORS AND AWARDS

- Knights Templar Eye Foundation Early Career Award, Knights Templar Eye Foundation (2023-Present)
- Invited presentation, "Rising Stars.", Western chapter of the Association of Biomolecular Resource Facilities (2021)
- Retina Research Foundation/Joseph M. and Eula C. Lawrence grant, ARVO (2016)
- Rio Mesa Fellowship, University of Utah (2012)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Utah (2019)
- Bachelor of Science, University of Utah (2013)
- B.S., University of Utah, Biology (2013)
- Ph.D., University of Utah, Neuroscience (2019)

STANFORD ADVISORS

- Jeffrey Goldberg, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Retinal ganglion cell repopulation for vision restoration in optic neuropathy: a roadmap from the RReSTORE Consortium.** *Molecular neurodegeneration*
Soucy, J. R., Aguzzi, E. A., Cho, J., Gilhooley, M. J., Keuthan, C., Luo, Z., Monavarfeshani, A., Saleem, M. A., Wang, X., Wohlschlegel, J., RReSTORE Consortium, Baranov, P., Di Polo, A., et al
2023; 18 (1): 64
- **Campana cells in mammalian retinas**
Du, R., Young, B., Wang, P., Tian, N.
ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2023
- **An uncommon neuronal class conveys visual signals from rods and cones to retinal ganglion cells.** *Proceedings of the National Academy of Sciences of the United States of America*
Young, B. K., Ramakrishnan, C., Ganjawala, T., Wang, P., Deisseroth, K., Tian, N.
2021; 118 (44)
- **The Susceptibility of Retinal Ganglion Cells to Optic Nerve Injury is Type Specific.** *Cells*
Yang, N., Young, B. K., Wang, P., Tian, N.
2020; 9 (3)
- **NMDA receptor activity regulates synaptic connections between retinal ganglion and bipolar cells**

Young, B., Sanchez, C., Ramakrishnan, C., Wang, P., Deisseroth, K., Tian, N.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018

- **An unique subtype of BCs provides excitatory input to both ON and OFF synaptic pathways from both rods and cones in the retina**

Tian, N., Young, B., Ramakrishnan, C., Wang, P., Deisseroth, K., Ganjawala, T. H., Pan, Z.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2018

- **Virtual reality method to analyze visual recognition in mice. *PloS one***

Young, B. K., Brennan, J. N., Wang, P., Tian, N.

2018; 13 (5): e0196563

- **Adult zebra finches rehearse highly variable song patterns during sleep. *PeerJ***

Young, B. K., Mindlin, G. B., Arneodo, E., Goller, F.

2017; 5: e4052

- **Retinal ganglion cell subtype specific circuits in retina**

Tian, N., Young, B., Huang, K., Wang, P., Ramakrishnan, C., Deisseroth, K.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2016

- **From the retina to the brain: retinal ganglion cell subtype specific visual circuits**

Young, B., Wang, P., Ramakrishnan, C., Deisseroth, K., Tian, N.

ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2016