

Stanford

Tongchao Li

Postdoctoral Research Fellow, Biology

Bio

HONORS AND AWARDS

- K99/R00 Pathway to Independence Award, NIH (2020-)
- Chinese Government Award for Outstanding Students Abroad, China Scholarship Council (2016)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, Baylor College Of Medicine (2016)
- Bachelor of Science, Tsinghua University (2009)

STANFORD ADVISORS

- Liqun Luo, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Temporal evolution of single-cell transcriptomes of *Drosophila* olfactory projection neurons.** *eLife*
Xie, Q., Brbic, M., Horns, F., Kolluru, S. S., Jones, R. C., Li, J., Reddy, A. R., Xie, A., Kohani, S., Li, Z., McLaughlin, C. N., Li, T., Xu, et al
2021; 10
- **Single-cell transcriptomes of developing and adult olfactory receptor neurons in *Drosophila*.** *eLife*
McLaughlin, C. N., Brbi#, M. n., Xie, Q. n., Li, T. n., Horns, F. n., Kolluru, S. S., Kebschull, J. M., Vacek, D. n., Xie, A. n., Li, J. n., Jones, R. C., Leskovec, J. n., Quake, et al
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- **Cell-Surface Proteomic Profiling in the Fly Brain Uncovers Wiring Regulators.** *Cell*
Li, J., Han, S., Li, H., Udeshi, N. D., Svinkina, T., Mani, D. R., Xu, C., Guajardo, R., Xie, Q., Li, T., Luginbuhl, D. J., Wu, B., McLaughlin, et al
2020
- **Single-Cell Transcriptomes Reveal Diverse Regulatory Strategies for Olfactory Receptor Expression and Axon Targeting.** *Current biology : CB*
Li, H. n., Li, T. n., Horns, F. n., Li, J. n., Xie, Q. n., Xu, C. n., Wu, B. n., Kebschull, J. M., McLaughlin, C. N., Kolluru, S. S., Jones, R. C., Vacek, D. n., Xie, et al
2020
- **Using *Drosophila* to study mechanisms of hereditary hearing loss.** *Disease models & mechanisms*
Li, T. n., Bellen, H. J., Groves, A. K.
2018; 11 (6)
- **Stepwise wiring of the *Drosophila* olfactory map requires specific Plexin B levels.** *ELIFE*
Li, J., Guajardo, R., Xu, C., Wu, B., Li, H., Li, T., Luginbuhl, D. J., Xie, X., Luo, L.
2018
- **Classifying *Drosophila* Olfactory Projection Neuron Subtypes by Single-Cell RNA Sequencing.** *Cell*
Li, H., Horns, F., Wu, B., Xie, Q., Li, J., Li, T., Luginbuhl, D. J., Quake, S. R., Luo, L.
2017; 171 (5)

- **Loss of Frataxin induces iron toxicity, sphingolipid synthesis, and Pdk1/Mef2 activation, leading to neurodegeneration** *ELIFE*
Chen, K., Lin, G., Haelterman, N. A., Ho, T. S., Li, T., Li, Z., Duraine, L., Graham, B. H., Jaiswal, M., Yamamoto, S., Rasband, M. N., Bellen, H. J.
2016; 5
- **The E3 ligase Ubr3 regulates Usher syndrome and MYH9 disorder proteins in the auditory organs of Drosophila and mammals** *ELIFE*
Li, T., Giagtzoglou, N., Eberl, D. F., Jaiswal, S. N., Cai, T., Godt, D., Groves, A. K., Bellen, H. J.
2016; 5
- **Ubr3, a Novel Modulator of Hh Signaling Affects the Degradation of Costal-2 and Kif7 through Poly-ubiquitination** *PLOS GENETICS*
Li, T., Fan, J., Blanco-Sanchez, B., Giagtzoglou, N., Lin, G., Yamamoto, S., Jaiswal, M., Chen, K., Zhang, J., Wei, W., Lewis, M. T., Groves, A. K., Westerfield, et al
2016; 12 (5)
- **Pri sORF peptides induce selective proteasome-mediated protein processing** *SCIENCE*
Zanet, J., Benrabah, E., Li, T., Pelissier-Monier, A., Chanut-Delalande, H., Ronsin, B., Bellen, H. J., Payre, F., Plaza, S.
2015; 349 (6254): 1356-1358
- **A Drosophila Genetic Resource of Mutants to Study Mechanisms Underlying Human Genetic Diseases** *CELL*
Yamamoto, S., Jaiswal, M., Charng, W., Gambin, T., Karaca, E., Mirzaa, G., Wiszniewski, W., Sandoval, H., Haelterman, N. A., Xiong, B., Zhang, K., Bayat, V., David, et al
2014; 159 (1): 200-214
- **Drosophila EHBP1 regulates Scabrous secretion during Notch-mediated lateral inhibition** *JOURNAL OF CELL SCIENCE*
Giagtzoglou, N., Li, T., Yamamoto, S., Bellen, H. J.
2013; 126 (16): 3686-3696
- **Crag Is a GEF for Rab11 Required for Rhodopsin Trafficking and Maintenance of Adult Photoreceptor Cells** *PLOS BIOLOGY*
Xiong, B., Bayat, V., Jaiswal, M., Zhang, K., Sandoval, H., Charng, W., Li, T., David, G., Duraine, L., Lin, Y., Neely, G. G., Yamamoto, S., Bellen, et al
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