

Stanford



Xing Liang

Basic Life Res Scientist

Biology

Bio

ACADEMIC APPOINTMENTS

- Basic Life Science Research Associate, Biology

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

Mechanism of MT polarity establishment during PVD neuron dendrite outgrowing in *C. elegans*.

Publications

PUBLICATIONS

- **Endoplasmic Reticulum Exit Sites scale with somato-dendritic size in neurons.** *Molecular biology of the cell*
Land, R., Fetter, R., Liang, X., Tzeng, C. P., Taylor, C. A., Shen, K.
2023: mbcE23030090
- **Proximity labeling reveals non-centrosomal microtubule-organizing center components required for microtubule growth and localization.** *Current biology : CB*
Sanchez, A. D., Branon, T. C., Cote, L. E., Papagiannakis, A., Liang, X., Pickett, M. A., Shen, K., Jacobs-Wagner, C., Ting, A. Y., Feldman, J. L.
2021
- **Growth cone-localized microtubule organizing center establishes microtubule orientation in dendrites.** *eLife*
Liang, X., Kokes, M., Fetter, R. D., Sallee, M. D., Moore, A. W., Feldman, J. L., Shen, K.
2020; 9
- **The THO Complex Coordinates Transcripts for Synapse Development and Dopamine Neuron Survival.** *Cell*
Maeder, C. I., Kim, J., Liang, X., Kaganovsky, K., Shen, A., Li, Q., Li, Z., Wang, S., Xu, X. Z., Li, J. B., Xiang, Y. K., Ding, J. B., Shen, et al
2018
- **A Dendritic Guidance Receptor Complex Brings Together Distinct Actin Regulators to Drive Efficient F-Actin Assembly and Branching** *DEVELOPMENTAL CELL*
Zou, W., Dong, X., Broederdorf, T. R., Shen, A., Kramer, D. A., Shi, R., Liang, X., Miller, D. M., Xiang, Y. K., Yasuda, R., Chen, B., Shen, K.
2018; 45 (3): 362-+
- **Dynein and EFF-1 control dendrite morphology by regulating the localization pattern of SAX-7 in epidermal cells** *JOURNAL OF CELL SCIENCE*
Zhu, T., Liang, X., Wang, X., Shen, K.
2017; 130 (23): 4063-71
- **Sarcomeres Pattern Proprioceptive Sensory Dendritic Endings through UNC-52/Perlecan in *C. elegans*** *DEVELOPMENTAL CELL*
Liang, X., Dong, X., Moerman, D. G., Shen, K., Wang, X.
2015; 33 (4): 388-400

- **Conditional targeted genome editing using somatically expressed TALENs in *C. elegans*.** *Nature biotechnology*
Cheng, Z., Yi, P., Wang, X., Chai, Y., Feng, G., Yang, Y., Liang, X., Zhu, Z., Li, W., Ou, G.
2013; 31 (10): 934-7