

Zhihui Liu

Instructor, Molecular & Cellular Physiology

Bio

ACADEMIC APPOINTMENTS

- Instructor, Molecular & Cellular Physiology

Publications

PUBLICATIONS

- **Spatial transcriptomics reveal neuron-astrocyte synergy in long-term memory.** *Nature*
Sun, W., Liu, Z., Jiang, X., Chen, M. B., Dong, H., Liu, J., Südhof, T. C., Quake, S. R.
2024
- **Love or not? A new subpopulation of neurons controls the switch of female sexual behavior.** *Neuron*
Liu, Z., Cao, P.
2022; 110 (18): 2893-2895
- **Calsyntenin-3, an atypical cadherin, suppresses inhibitory synapses but increases excitatory parallel-fiber synapses in cerebellum.** *eLife*
Liu, Z., Jiang, M., Liakath-Ali, K., Sclip, A., Ko, J., Zhang, R. S., Südhof, T. C.
2022; 11
- **A Synaptic Circuit Required for Acquisition but Not Recall of Social Transmission of Food Preference.** *Neuron*
Wang, C. Y., Liu, Z. n., Ng, Y. H., Südhof, T. C.
2020
- **Synaptic neuexin-1 assembles into dynamically regulated active zone nanoclusters.** *The Journal of cell biology*
Trotter, J. H., Hao, J., Maxeiner, S., Tsetsenis, T., Liu, Z., Zhuang, X., Südhof, T. C.
2019
- **A central amygdala to zona incerta projection is required for acquisition and remote recall of conditioned fear memory** *NATURE NEUROSCIENCE*
Zhou, M., Liu, Z., Melin, M. D., Ng, Y., Xu, W., Südhof, T. C.
2018; 21 (11): 1515-+
- **A central amygdala to zona incerta projection is required for acquisition and remote recall of conditioned fear memory.** *Nature neuroscience*
Zhou, M., Liu, Z., Melin, M. D., Ng, Y. H., Xu, W., Südhof, T. C.
2018
- **IGF1-Dependent Synaptic Plasticity of Mitral Cells in Olfactory Memory during Social Learning** *NEURON*
Liu, Z., Chen, Z., Shang, C., Yan, F., Shi, Y., Zhang, J., Qu, B., Han, H., Wang, Y., Li, D., Südhof, T. S., Cao, P.
2017; 95 (1): 106-+