

# Stanford

---



## Pei Yi Lin

Postdoctoral Scholar, Molecular and Cellular Physiology

### Bio

---

#### STANFORD ADVISORS

- Thomas Sudhof, Postdoctoral Faculty Sponsor

### Publications

---

#### PUBLICATIONS

- **Neurexin-2: An inhibitory neurexin that restricts excitatory synapse formation in the hippocampus.** *Science advances*  
Lin, P., Chen, L. Y., Jiang, M., Trotter, J. H., Seigneur, E., Sudhof, T. C.  
2023; 9 (1): eadd8856
- **Teneurins assemble into presynaptic nanoclusters that promote synapse formation via postsynaptic non-teneurin ligands.** *Nature communications*  
Zhang, X., Lin, P., Liakath-Ali, K., Sudhof, T. C.  
2022; 13 (1): 2297
- **A synaptic locus for TrkB signaling underlying ketamine rapid antidepressant action** *CELL REPORTS*  
Lin, P., Ma, Z., Mahgoub, M., Kavalali, E. T., Monteggia, L. M.  
2021; 36 (7): 109513
- **CPEB3-downregulated Nr3c1 mRNA translation confers resilience to developing posttraumatic stress disorder-like behavior in fear-conditioned mice** *NEUROPSYCHOPHARMACOLOGY*  
Lu, W., Chao, H., Lin, P., Lin, S., Liu, T., Chen, H., Huang, Y.  
2021; 46 (9): 1669-1679
- **VAMP4 Maintains a Ca<sup>2+</sup>-Sensitive Pool of Spontaneously Recycling Synaptic Vesicles** *JOURNAL OF NEUROSCIENCE*  
Lin, P., Chanaday, N. L., Horvath, P. M., Ramirez, D. O., Monteggia, L. M., Kavalali, E. T.  
2020; 40 (28): 5389–5401
- **Role of Aberrant Spontaneous Neurotransmission in SNAP25-Associated Encephalopathies.** *Neuron*  
Alten, B. n., Zhou, Q. n., Shin, O. H., Esquivies, L. n., Lin, P. Y., White, K. I., Sun, R. n., Chung, W. K., Monteggia, L. M., Brunger, A. T., Kavalali, E. T.  
2020
- **Behavioral Analysis of SNAP-25 and Synaptobrevin-2 Haploinsufficiency in Mice** *NEUROSCIENCE*  
Monteggia, L. M., Lin, P., Adachi, M., Kavalali, E. T.  
2019; 420: 129-135
- **Genetic Dissection of Presynaptic and Postsynaptic BDNF-TrkB Signaling in Synaptic Efficacy of CA3-CA1 Synapses** *CELL REPORTS*  
Lin, P., Kavalali, E. T., Monteggia, L. M.  
2018; 24 (6): 1550-1561
- **Chronic lithium treatment elicits its antimanic effects via BDNF-TrkB dependent synaptic downscaling** *ELIFE*  
Gideons, E. S., Lin, P., Mahgoub, M., Kavalali, E. T., Monteggia, L. M.

---

2017; 6

- **Postnatal Loss of Mef2c Results in Dissociation of Effects on Synapse Number and Learning and Memory** *BIOLOGICAL PSYCHIATRY*

Adachi, M., Lin, P., Pranav, H., Monteggia, L. M.

2016; 80 (2): 140-148

- **CPEB4 Knockout Mice Exhibit Normal Hippocampus-Related Synaptic Plasticity and Memory** *PLOS ONE*

Tsai, L., Chang, Y., Lin, P., Chou, H., Liu, T., Lee, P., Huang, W., Tsou, Y., Huang, Y.

2013; 8 (12): e84978

- **Deletion of CPEB3 Enhances Hippocampus-Dependent Memory via Increasing Expressions of PSD95 and NMDA Receptors** *JOURNAL OF NEUROSCIENCE*

Chao, H., Tsai, L., Lu, Y., Lin, P., Huang, W., Chou, H., Lu, W., Lin, H., Lee, P., Huang, Y.

2013; 33 (43): 17008-17022

- **Different mechanisms of extinction of conditioned taste aversion are dependent on time intervals of extinction following conditioning** *NATURWISSENSCHAFTEN*

Lin, P., Fang, Y., Wang, S., Tai, M., Tsai, Y.

2012; 99 (3): 185-189

- **DIFFERENTIAL INVOLVEMENT OF MEDIAL PREFRONTAL CORTEX AND BASOLATERAL AMYGDALA EXTRACELLULAR SIGNAL-REGULATED KINASE IN EXTINCTION OF CONDITIONED TASTE AVERSION IS DEPENDENT ON DIFFERENT INTERVALS OF EXTINCTION FOLLOWING CONDITIONING** *NEUROSCIENCE*

Lin, P., Wang, S., Tai, M., Tsai, Y.

2010; 171 (1): 125-133

- **Brief spatial experiences increase granule cell survival in the dentate gyrus of adult rats** *BEHAVIOURAL BRAIN RESEARCH*

Feng, K., Wang, S., Wu, Y., Lin, P., Tai, M., Tsai, Y.

2010; 210 (1): 143-146