

Stanford



Yanjun Sun

Postdoctoral Research Fellow, Neurobiology

Bio

HONORS AND AWARDS

- Krieg Cortical Kudos Scholar, The Cajal Club (2017)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of California Irvine (2017)

Publications

PUBLICATIONS

- **CA1-projecting subiculum neurons facilitate object-place learning.** *Nature neuroscience*
Sun, Y., Jin, S., Lin, X., Chen, L., Qiao, X., Jiang, L., Zhou, P., Johnston, K. G., Golshani, P., Nie, Q., Holmes, T. C., Nitz, D. A., Xu, et al
2019
- **Opposing and Complementary Topographic Connectivity Gradients Revealed by Quantitative Analysis of Canonical and Noncanonical Hippocampal CA1 Inputs** *ENEURO*
Sun, Y., Nitz, D. A., Holmes, T. C., Xu, X.
2018; 5 (1)
- **Sexual congruency in the connectome and translome of VTA dopamine neurons** *SCIENTIFIC REPORTS*
Chung, A. S., Miller, S. M., Sun, Y., Xu, X., Zweifel, L. S.
2017; 7: 11120
- **Local and Long-Range Circuit Connections to Hilar Mossy Cells in the Dentate Gyrus** *ENEURO*
Sun, Y., Grieco, S. F., Holmes, T. C., Xu, X.
2017; 4 (2)
- **Noncanonical Connections Between the Subiculum and Hippocampal CA1** *JOURNAL OF COMPARATIVE NEUROLOGY*
Xu, X., Sun, Y., Holmes, T. C., Lopez, A. J.
2016; 524 (17): 3666–73
- **Neuregulin-1/ErbB4 Signaling Regulates Visual Cortical Plasticity** *NEURON*
Sun, Y., Ikrar, T., Davis, M. F., Gong, N., Zheng, X., Luo, Z., Lai, C., Mei, L., Holmes, T. C., Gandhi, S. P., Xu, X.
2016; 92 (1): 160–73
- **Differential arousal regulation by prokineticin 2 signaling in the nocturnal mouse and the diurnal monkey** *MOLECULAR BRAIN*
Zhou, Q., Burton, K. J., Neal, M. L., Qiao, Y., Kanthasamy, A. G., Sun, Y., Xu, X., Ma, Y., Li, X.
2016; 9: 78
- **Genetic Cell Targeting Uncovers Specific Neuronal Types and Distinct Subregions in the Bed Nucleus of the Stria Terminalis** *JOURNAL OF COMPARATIVE NEUROLOGY*
Nguyen, A. Q., Dela Cruz, J. D., Sun, Y., Holmes, T. C., Xu, X.

2016; 524 (12): 2379–99

- **High-resolution and cell-type-specific photostimulation mapping shows weak excitatory vs. strong inhibitory inputs in the bed nucleus of the stria terminalis** *JOURNAL OF NEUROPHYSIOLOGY*

Xu, X., Ikrar, T., Sun, Y., Santos, R., Holmes, T. C., Francesconi, W., Berton, F.

2016; 115 (6): 3204–16

- **Cell-Type-Specific Circuit Connectivity of Hippocampal CA1 Revealed through Cre-Dependent Rabies Tracing** *CELL REPORTS*

Sun, Y., Nguyen, A. Q., Nguyen, J. P., Le, L., Saur, D., Choi, J., Callaway, E. M., Xu, X.

2014; 7 (1): 269–80

- **Cell-type specific inactivation of hippocampal CA1 disrupts location-dependent object recognition in the mouse** *LEARNING & MEMORY*

Haettig, J., Sun, Y., Wood, M. A., Xu, X.

2013; 20 (3): 139–46

- **MicroRNA-19b downregulates insulin 1 through targeting transcription factor NeuroD1.** *FEBS letters*

Zhang, Z. W., Zhang, L. Q., Ding, L., Wang, F., Sun, Y. J., An, Y., Zhao, Y., Li, Y. H., Teng, C. B.

2011; 585 (16): 2592–98