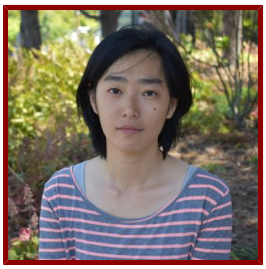
Stanford



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Instructor, Neurosurgery

Bio

ACADEMIC APPOINTMENTS

- Instructor, Neurosurgery

Publications

PUBLICATIONS

- **Improving positively tuned voltage indicators for faster kinetics and higher contrast.** *bioRxiv : the preprint server for biology*
  Lee, S., Zhang, G., Hao, Y. A., Roth, R. H., Sun, Y., Dong, C., Zhu, J., Gomez, L. C., Natan, R. G., Jiang, D., Liu, L. X., Testa-Silva, G., Hiramoto, et al
  2026

- **Motor learning drives region-specific transcriptomic remodeling in the motor cortex and dorsal striatum.** *bioRxiv : the preprint server for biology*
  Sun, Y., Roth, R. H., Hwang, F. J., Wang, S., Ding, J. B.
  2025

- **Thalamic integration of basal ganglia and cerebellar circuits during motor learning.** *bioRxiv : the preprint server for biology*
  Roth, R. H., Muniak, M. A., Huang, C. J., Hwang, F. J., Sun, Y., Min, C., Mao, T., Ding, J. B.
  2024

- **Mettl14-mediated m6A modification ensures the cell-cycle progression of late-born retinal progenitor cells.** *Cell reports*
  Li, L., Sun, Y., Davis, A. E., Shah, S. H., Hamed, L. K., Wu, M. R., Lin, C. H., Ding, J. B., Wang, S.
  2023; 42 (6): 112596

- **Postsynaptic synucleins mediate endocannabinoid signaling.** *Nature neuroscience*
  Albarran, E., Sun, Y., Liu, Y., Raju, K., Dong, A., Li, Y., Wang, S., Sudhof, T. C., Ding, J. B.
  2023

- **Mettl14-mediated m6A modification ensures the cell-cycle progression of late-born retinal progenitor cells.** *Cell Reports*
  Li, L., Sun, Y., Davis, A. E., Shah, S. H., Hamed, L. K., Wu, M., Lin, C., Ding, J. B., Wang, S.
  2023

- **Motor learning selectively strengthens cortical and striatal synapses of motor engram neurons.** *Neuron*
  Hwang, F., Roth, R. H., Wu, Y., Sun, Y., Kwon, D. K., Liu, Y., Ding, J. B.
  2022

- **Epitranscriptomic m(6)A modification controls the development of late-born retinal progenitor cells**
  Li, L., Sun, Y., Lin, C., Wu, M., Davis, A. E., Wang, S.
  ASSOC RESEARCH VISION OPHTHALMOLOGY INC.2022

- **Identification of cis-regulatory modules for adeno-associated virus-based cell type-specific targeting in the retina and brain.** *The Journal of biological chemistry*

Lin, C. H., Sun, Y., Chan, C. S., Wu, M. R., Gu, L., Davis, A. E., Gu, B., Zhang, W., Tanasa, B., Zhong, L. R., Emerson, M. M., Chen, L., Ding, et al
2022: 101674