

Stanford



Minyin Li

Postdoctoral Scholar, Psychiatry

Bio

BIO

Dr. Minyin Li is currently a postdoctoral fellow at Stanford University School of Medicine. His main research interests are genetic and cellular mechanisms underlying psychiatric disorders including autism and schizophrenia. By using iPSC cell derived brain organoid technology, he anticipates novel approaches to interrogate autism and neurodevelopmental diseases with human disease models.

HONORS AND AWARDS

- Best poster award, Gordon Research Conference Functional Genomics of Human Brain Development and Disease (4/7/2023)

PROFESSIONAL EDUCATION

- PhD, Institute of Neuroscience, Chinese Academy of Sciences, Neuroscience (2017)

STANFORD ADVISORS

- Sergiu Pasca, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Maturation and circuit integration of transplanted human cortical organoids.** *Nature*
Revah, O., Gore, F., Kelley, K. W., Andersen, J., Sakai, N., Chen, X., Li, M. Y., Birey, F., Yang, X., Saw, N. L., Baker, S. W., Amin, N. D., Kulkarni, et al
2022; 610 (7931): 319-326
- **Engineering brain assembloids to interrogate human neural circuits.** *Nature protocols*
Miura, Y., Li, M. Y., Revah, O., Yoon, S. J., Narazaki, G., Pasca, S. P.
2022
- **Dissecting the molecular basis of human interneuron migration in forebrain assembloids from Timothy syndrome.** *Cell stem cell*
Birey, F., Li, M. Y., Gordon, A., Thete, M. V., Valencia, A. M., Revah, O., Pasca, A. M., Geschwind, D. H., Pasca, S. P.
2021
- **Retinoid X Receptor β Regulates DHA-Dependent Spinogenesis and Functional Synapse Formation In Vivo.** *Cell reports*
Cao, H., Li, M. Y., Li, G., Li, S. J., Wen, B., Lu, Y., Yu, X.
2020; 31 (7): 107649
- **Neuronal defects in a human cellular model of 22q11.2 deletion syndrome.** *Nature medicine*
Khan, T. A., Revah, O. n., Gordon, A. n., Yoon, S. J., Krawisz, A. K., Goold, C. n., Sun, Y. n., Kim, C. H., Tian, Y. n., Li, M. Y., Schaepe, J. M., Ikeda, K. n., Amin, et al
2020

- **Generation of human striatal organoids and cortico-striatal assembloids from human pluripotent stem cells.** *Nature biotechnology*
Miura, Y. n., Li, M. Y., Birey, F. n., Ikeda, K. n., Revah, O. n., Thete, M. V., Park, J. Y., Puno, A. n., Lee, S. H., Porteus, M. H., Pa#ca, S. P.
2020; 38 (12): 1421–30
- **A Critical Role of Presynaptic Cadherin/Catenin/p140Cap Complexes in Stabilizing Spines and Functional Synapses in the Neocortex.** *Neuron*
Li, M. Y., Miao, W. Y., Wu, Q. Z., He, S. J., Yan, G., Yang, Y., Liu, J. J., Taketo, M. M., Yu, X.
2017; 94 (6): 1155-1172.e8
- **CRISPR-Cas9-mediated genome editing in one blastomere of two-cell embryos reveals a novel Tet3 function in regulating neocortical development.** *Cell research*
Wang, L., Li, M. Y., Qu, C., Miao, W. Y., Yin, Q., Liao, J., Cao, H. T., Huang, M., Wang, K., Zuo, E., Peng, G., Zhang, S. X., Chen, et al
2017; 27 (6): 815-829
- **Postsynaptic spiking homeostatically induces cell-autonomous regulation of inhibitory inputs via retrograde signaling.** *The Journal of neuroscience : the official journal of the Society for Neuroscience*
Peng, Y. R., Zeng, S. Y., Song, H. L., Li, M. Y., Yamada, M. K., Yu, X.
2010; 30 (48): 16220-31