



LINGMIN LIN

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Work

Department of Rehabilitation Medicine, First Affiliated Hospital, College of Medicine,
School of Brain Science and Brain Medicine, Zhejiang University, Zhejiang, China.

Research Assistant Aug. 2020 ~ Apr. 2022

Education

Department of Neurology, Tianjin Neurological Institute, Tianjin Medical University General
Hospital, Tianjin Medical University, Tianjin, China. **GPA 3.5**

Master of Clinical Medicine Aug. 2018 ~ Jul. 2020

Tianjin Medical University

Bachelor of Clinical Medicine Aug. 2013 ~ Jul. 2018

Research Interests

Objective: Finding the master switch of neurological diseases (e.g., stroke and spinal cord injury) and facilitating rehabilitation.

Current research interest: Investigating candidate targets for neurological diseases such as stroke with electric stimulation and booming intellectual bioinformatics.

Recent Paper

1. Fang A[#], Wang Y[#], Guan N[#], **Lin L**, Guo B, Cai W, et al. Porous microneedle patch with sustained exosome delivery repairs severe spinal cord injury. *BioRxiv*. 2022.
2. Zuo Y[#], Ye J[#], Cai W, Guo B, Chen X, **Lin L**, et al. Improving functional recovery after severe spinal cord injury by a noninvasive dual functional approach of neuroprotection and neuromodulation. *BioRxiv*. 2022.
3. **Lin L**[#], He Z[#], Zhang T[#], Zuo Y, Chen X, Abdelrahman Z, et al. A biocompatible two-photon absorbing fluorescent mitochondrial probe for deep in vivo bioimaging. *Journal of Materials Chemistry B*. 2022;10(6):887-98.
4. **Lin L**[#], Liu K[#], Feng H[#], Li J, Chen H, Zhang T, et al. Glucose trajectory prediction by deep learning for personal home care of type 2 diabetes mellitus: modeling and applying. *Mathematical Biosciences Engineering*. 2022;19(10):10096-107.
5. Zheng K[#], **Lin L**[#], Jiang W, Chen L, Zhang X, Zhang Q, et al. Single-cell RNA-seq reveals the transcriptional landscape in ischemic stroke. *J Cereb Blood Flow Metab*. 2022;42(1):56-73.
6. Zheng K[#], **Lin L**[#], Cui P, Liu T, Chen L, Yang C, et al. Association of Fibroblast Growth Factor 23 With Ischemic Stroke and Its Subtypes: A Mendelian Randomization Study. *Front Genet*. 2020;11:608517.

Skills

Wet lab skills: Animal care and surgery, histological and confocal techniques, cell culture and genetics, etc.

Dry lab skills: Biostatistics, Mendelian randomization, deep learning in diabetes, single cell analysis, signal processing, R/MATLAB/python, etc.