

Qingqing Li

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Address: Shanghai, China, 221000 [Personal Portfolio: dongfang121.github.io](https://github.com/dongfang121)

Education

Master of Medicine Xuzhou Medical University **09/2020-06/2023**

GPA: 86.30/100

Bachelor of Medicine North Sichuan Medical College **09/2015-06/2020**

GPA: 80.06/100 (range: 38/197)

Publications

- **Qingqing Li, et al.** Single-Cell Dissection of Microglial Heterogeneity Reveals Subtype-Driven Immune-Metabolic Crosstalk in Major Depressive Disorder. **(2025, with editor)**
- **Qingqing Li, et al.** Bioinformatics Analysis of Systemic Lupus Erythematosus Comorbid with Major Depressive Disorder. **(2025, under review)**
- **Qingqing Li, et al.** Microglia sing the prelude of neuroinflammation-associated depression. *Molecular Neurobiology*. 2025 Apr;62(4):5311-5332. **(JCR Q1)**
- Yanhong Xing, Meng-Meng Wang, Feifei Zhang, Tianli Xin, Xinyan Wang, Rong Chen, Zhongheng Sui, Yawei Dong, Dongxue Xu, Xingyu Qian, Qixia Lu, **Qingqing Li, et al.** Lysosomes finely control macrophage inflammatory function via regulating the release of lysosomal Fe²⁺ through TRPML1 channel. *Nature Communications*. 2025 Jan 24;16(1):985. **(JCR Q1)**
- Jiansong Qi, **Qingqing Li, et al.** MCOLN1/TRPML1 in the lysosome: a promising target for autophagy modulation in diverse diseases. *Autophagy*. 2024 Aug;20(8):1712-1722. **(JCR Q1)**

Research Experiences

08/2024-05/2025 Single-cell Analysis of Microglia in Depression (Completed)

Supervisor: Dr. Weijie Xie, Shanghai Mental Health Center

Position: Research assistant Shanghai, China

- Use single-cell analysis techniques (e.g., CellChat, SCENIC, Monocle) combined with MR and machine learning models to investigate the interaction between microglia and neurons.
- Identify that impaired microglia subtypes, characterized by metabolic imbalance or chronic neuroinflammation, lead to abnormal communication with GABAergic neurons in MDD.

07/2023-04/2024 Immune Mechanisms of the Comorbidity of SLE and MDD (Completed)

Supervisor: Dr. Jiaoqiong Guan, Shanghai Mental Health Center

Position: Research assistant Shanghai, China

- Perform bioinformatics analyses (e.g., WGCNA, GSEA, machine learning, single-cell analysis) and validation experiments (e.g., immunohistochemistry staining and western blot).
- Identify an immune target that may underlie the shared immune pathogenesis which drives comorbidity progression by influencing the function and number of T-cell subtypes.

09/2020-06/2023 Microglia-Driven Lysosomal Mechanisms in MDD Alleviation (In progress)

Supervisor: Prof. Dr. Wuyang Wang, Xuzhou Medical University

Position: Graduate student Xuzhou, China

- Apply both *in vivo* and *in vitro* methods (e.g., three animal models, cell culture, stereotaxic

surgery, qPCR, WB, ELISA, immunofluorescence staining, Golgi staining).

- Identify a molecular mechanism of microglia in MDD and propose a potential targeted drug.

Academic Service

- Peer Reviewer for the journals ***Molecular Neurobiology*** and ***Cellular and Molecular Neurobiology***. 2024-Present

Honors

- Postgraduate Scholarship 2020-2023
- Undergraduate Scholarship (top 7%) 2018

Skills

- **Languages:** Mandarin (native), English (IELTS 6.5)
- **Software:** R, Python, Adobe Illustrator, Adobe Photoshop, Microsoft Office, EndNote, GraphPad, Image J, Imaris

References

- Prof. Dr. **Wuyang Wang** (master's thesis supervisor) Email: wuyangwang80@gmail.com
- Prof. Dr. **Jiaoqiong Guan** (supervisor) Email: guanjiaoqiong@kmmu.edu.cn
- Prof. Dr. **Weijie Xie** (supervisor) Email: xwjginseng@126.com