Qingqing Li

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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. Systemic Lupus Erythematosus Comorbid with Major Depressive Disorder from the Perspective of Bioinformatics. **(First Author, Submitted, 2025)**
- **Qingqing Li**, et al. Microglia sing the prelude of neuroinflammation-associated depression. *Molecular Neurobiology*.2025Apr;62(4):5311-5332. **(First Author, 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 Fe^{2+} through TRPML1 channel. *Nature Communications*. 2025 Jan 24;16(1):985. **(Co-Author, 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. **(Co-Author, JCR Q1)**

Research Experiences

08/2024-Present Comprehensive Single-cell Analysis of Microglia in Depression
Supervisor: *Dr. Weijie Xie, Shanghai Mental Health Center*
Position: *Research assistant* **Shanghai, China**

- Used **single-cell analysis techniques** (e.g., CellChat, SCENIC, Monocle) combined with **Mendelian Randomization**, **TWAS**, and **PWAS** to investigate the interaction between microglia and neurons in the context of depression.

07/2023-04/2024 Immune Mechanisms of Cytokines in Addiction
Supervisor: *Dr. Ti-Fei Yuan, Shanghai Mental Health Center*
Position: *Research assistant* **Shanghai, China**

- Employed both wild-type and transgenic mice to establish addiction models and performed a series of experiments, including addiction-related behavioral tests (e.g., conditioned place preference), DNA electrophoresis, and immunofluorescence.
- Indicated significant effects of certain cytokines on addiction behaviors (in progress).

01/2023-04/2024 Immune Mechanisms of the Comorbidity of SLE and Depression
Supervisor: *Dr. Jiaoqiong Guan, Shanghai Mental Health Center*
Position: *Research assistant* **Shanghai, China**

- Performed a combination of bioinformatics analyses (e.g., **WGCNA**, **GO and KEGG**, **PPI**, **GSEA**, **machine learning algorithms**, and **single-cell analysis**) and validation experiments (e.g., immunohistochemistry staining and western blot).
- Identified a hub gene pathway potentially alleviating SLE-depression comorbidity, highlighting its significance in depression-related mechanisms (manuscript submitted).

09/2020-06/2023 Microglial Autophagy in Alleviating Depression

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

Position: *Graduate student* **Xuzhou, China**

- Employed three animal models and applied various techniques, including ***in vivo*** and ***in vitro*** **methods** (e.g., cell culture, stereotaxic surgery, qPCR, western blot, ELISA, immunofluorescence, and Golgi-Cox staining) and comprehensive data analysis (e.g., **3D visualization** and bioinformatic analysis).
- Identified a microglia-mediated therapeutic target through lysosomal pathway modulation (in progress).

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. **Ti-Fei Yuan (**supervisor)
  Email: ytf0707@126.com
- Prof. Dr. **Weijie Xie (**supervisor)
  Email: xwjginseng@126.com