

# Qingqing Li

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## Education

<b>Master of Medicine</b>	Xuzhou Medical University	<b>09/2020-06/2023</b>
GPA: 86.30/100		
<b>Bachelor of Medicine</b>	North Sichuan Medical College	<b>09/2015-06/2020</b>
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*. 2025 Apr; 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  $\text{Fe}^{2+}$  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)  
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- Prof. Dr. **Jiaoqiong Guan** (supervisor)  
Email: guanjqiong@kmmu.edu.cn
- Prof. Dr. **Weijie Xie** (supervisor)  
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