Qingqing Li

January 8th, 1996 E-mail: qingqingli3631@outlook.com Tel: +86 177-2192-5845
Address: Shanghai, China, 221000 My webpage: dongfang121.github.io

Education

Master of Medicine Xuzhou Medical University **June 2023**
GPA: 86.30/100 Major: Anesthesiology

Master of Medicine North Sichuan Medical College **June 2020**
GPA: 80.06/100 (range: 38/197) Major: Anesthesiology

Publications

1. **Qingqing Li**, et al. "Microglia sing the prelude of neuroinflammation-associated depression". *Molecular Neurobiology*. **(Minor Revision Submitted)**
2. **Qingqing Li**, et al. "Systemic Lupus Erythematosus Comorbid with Major Depressive Disorder from the Perspective of Bioinformatics". *Aging-US*. **(Accepted, 2024)**
3. Jiansong Qi, **Qingqing Li,** et al. "MCOLN1/TRPML1 in the lysosome: a promising target for autophagy modulation in diverse diseases". *Autophagy*. 24:1-11. DOI: 10.1080/15548627.2024.2333715/ (2024)

Research Experiences

07/2023–Now **Mechanisms of Cytokines on Neuroinflammation and Addiction** (In progress)

Supervisor: Prof. Dr. Ti-Fei Yuan, Shanghai Jiao Tong University
Position: Research assistant **Shanghai, China**

- Aimed at decoding the molecular and circuit mechanisms of specific cytokines on neuroinflammation and addiction.
- Utilized both wild-type and transgenic mice to establish animal models
- Conducted research experiments such as DNA electrophoresis, behavioral tests, immunofluorescence, and data processing.
- Preliminary data indicated significant effects of certain cytokines on specific brain areas and addiction behaviors.

01/2023-04/2024 **Investigate the Immunological Relationship between Systemic Lupus Erythematosus (SLE) and Depression** (Completed)

Supervisor: Dr. Jiaoqiong Guan, Shanghai Mental Health Center
Position: Research assistant **Shanghai, China**

- Aimed at exploring the shared mechanism in the pathogenesis of SLE and depression.
- Utilized bioinformatics methods such as WGCNA, GO & KEGG, PPI, machine learning algorithms, ROC curves, GSEA, immune infiltration, single-cell analysis, and validation experiments including WB and immunohistochemistry staining.
- Concluded that targeting the hub gene-specific immune pathway could potentially help manage the simultaneous progression of SLE and depression, with a particular emphasis on the significant role of the hub gene in depression.

09/2020-06/2023 **Targeting Microglia to Alleviate Depression** (In progress)

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

Position: Graduate student **Xuzhou, China**

- Aimed at molecular mechanisms underlying neuroinflammation and depression.
- Used three animal models to confirm the role of microglia in depression.
- Applied methods of in vivo and in vitro experiments such as cell culture, stereotaxic surgery, qPCR, WB, ELISA, and immunofluorescence.
- Processed all data, including 3D reconstruction rendering and bioinformatic analysis.
- Concluded a new immune signaling pathway of microglia in the pathogenesis of depression.

Awards

09/2017-07/2018	Third-class Scholarship (top 7%)
09/2018-06/2019	Sichuan Province's University Student Comprehensive Quality A Grade Certificate
09/2020-06/2021	Second-class Postgraduate Scholarship
09/2021-06/2022	Second-class Postgraduate Scholarship
09/2022-06/2023	Second-class Postgraduate Scholarship

Skills

- **Computer programming:** **R** (bioinformatics analysis, e.g., TWAS, PWAS, MR, single-cell analysis, machine learning algorithms, multi-omics analysis), Python (machine learning basics).
- **Languages:** Mandarin (native), English (fluent), Japanese (basic).
- **Software:** Microsoft Office, EndNote, GraphPad, Adobe Photoshop, **Adobe Illustrator**, Image J, Imaris.

Referees

- Prof. Dr. **Wuyang Wang**
  Master's Thesis Supervisor
  Email: wuyangwang80@gmail.com
  Professor at the Faculty of Anesthesiology, Xuzhou Medical University
- Prof. Dr. **Ti-Fei Yuan**
  Work Supervisor
  Email: ytf0707@126.com
  Professor and Executive Dean of the Brain Health Institute at the Shanghai Mental Health Center, Shanghai Jiao Tong University