

Qingqing Li

January 8th, 1996 E-mail: qingqingli3631@outlook.com Tel: +86 177-2192-5845

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

Education

Master of Medicine	Xuzhou Medical University	June 2023
GPA: 3.60/5.0	Major: Anesthesiology	

Publications

1. **Qingqing Li**, Ying Xie, Jinyi Lin, Miaomiao Li, Ziyang Gu, Tianli Xin, Yang Zhang, Qixia Lu, Yihui Guo, Yanhong Xing, Wuyang Wang, “Microglia sing the prelude of neuroinflammation-associated depression”, *Molecular Neurobiology*. (**Minor Revisions Submitted**)
2. **Qingqing Li**, Siyu Fan, Siqi Chen, Weijie Xie, Xiaonan Pang, Jinjun Ding, “Systemic Lupus Erythematosus Comorbid with Major Depressive Disorder from the Perspective of IL-7R”, *Aging*. (**Accepted**)

Research Experiences

09/2020-06/2023 Target Microglial TRPML1 to Alleviate Depression

Supervisor: Wuyang Wang, Xuzhou Medical University

Position: Graduate student

Xuzhou, China

- Aimed at molecular mechanisms underlying neuroinflammation and depression.
- Used three animal models to verify the role of microglial TRPML1 in depression.
- Applied methods of *in vivo* and *in vitro* experiments (cell culture; stereotaxic surgery) and basic experiments (qPCR, WB, ELISA, immunofluorescence, etc).
- Processed all data, such as 3D reconstruction rendering, and bioinformatic analysis.
- Concluded a new immune signaling pathway of microglia in the pathogenesis of depression (In progress).

07/2023-10/2023 Investigate the Immunological Relationship between Systemic Lupus Erythematosus (SLE) and Depression

Supervisor: Jinjun Ding, Shanghai Mental Health Center

Position: Research assistant

Shanghai, China

- Aimed at shared mechanism in the pathogenesis of SLE and depression.
- Used bioinformatics methods of WGCNA, GO&KEGG, PPI, machine learning algorithms, ROC curves, GSEA, immune infiltration, single-cell analysis, and validation experiments of WB, immunohistochemistry staining.
- Concluded that targeting the IL-7/IL-7R pathway could potentially contribute to managing the concurrent progression of SLE and depression, with a particular emphasis on the substantial involvement of IL-7/IL-7R in depression (Accepted).

07/2023-03/2024 The Effects of Cytokines on Addiction

Supervisor: Ti-Fei Yuan, Shanghai Mental Health Center, Shanghai Jiao Tong University

Position: Research assistant

Shanghai, China

- Aimed at unencoding the molecular mechanisms of cytokine effects on addiction.

- Used both wild-type and transgenic mice to establish the animal model.
- Applied methods of basic experiments (DNA electrophoresis, behavioral test, immunofluorescence, etc).
- Preliminary data indicated significant effects of certain cytokines on addiction (In progress).

Awards

- 09/2019-06/2020** 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).
- **Language:** Mandarin (Native), English (Fluent), Japanese (Basic).
- **Software:** Microsoft Office, EndNote, GraphPad, Adobe Photoshop, **Adobe Illustrator** (Proficient), Image J, Imaris.

Referees

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| ● Wuyang Wang (Thesis Advisor)
wuyangwang80@gmail.com | Ti-Fei Yuan (Project Manager)
ytf0707@126.com |
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