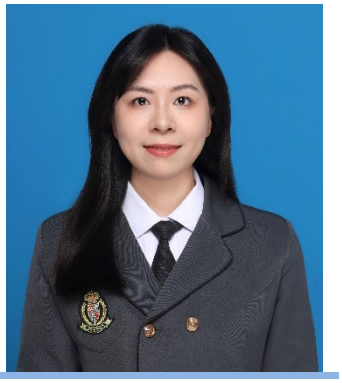

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Education:

Jinan University, Guangzhou, Guangdong Province, China

✓ **Bachelor of Science in Biological Sciences (Accelerated Program)** September 2013 - July 2017

Developed a solid foundation in molecular biology, genetics, and cellular biology.

✓ **Master of Science in Immunology** September 2017 - July 2020

Conducted research on immunological mechanisms in alcoholic liver disease.

Southern University of Science and Technology, Shenzhen, Guangdong Province, China

✓ **Doctor of Philosophy in Biology** September 2020 - July 2024

Focused on microbiology, infection, and epidemiology, exploring host-virus interactions and antiviral mechanisms.

Publications:

- ✓ **Li M**, Yang Y, Wang P, et al. Transcriptome dynamics of the BHK21 cell line in response to human coronavirus OC43 infection. Microbiol Res. Published online May 15, 2024. doi:10.1016/j.micres. 2024.127750(**Q1, IF=6.7**)
- ✓ **Li M**, Qu Y, Zhong J, Che Z, Wang H, Xiao J, Wang F, Xiao J. Sex bias in alcohol research: A 20-year comparative study. Front Neuroendocrinol. 2021 Oct;63:100939. doi: 10.1016/j.yfrne.2021.100939. Epub 2021 Aug 16. PMID: 34411573. (**Q1，IF=7.4**)
- ✓ **Li M**, Lv Y, Chen F, Wang X, Zhu J, Li H, Xiao J. Co-stimulation of $LPAR_1$ and $S1PR_{1/3}$ increases the transplantation efficacy of human mesenchymal stem cells in drug-induced and alcoholic liver diseases. Stem Cell Res Ther. 2018 Jun 14;9(1):161. doi: 10.1186/s13287-018-0860-y. PMID: 29898789; PMCID: PMC6000942. (**Q1, IF=7.5**)
- ✓ Han S, Liu J, **Li M**, Zhang Y, Duan X, Zhang Y, Chen H, Cai Z, Yang L, Liu Y. DNA Methyltransferase Regulates Nitric Oxide Homeostasis and Virulence in a Chronically Adapted Pseudomonas aeruginosa Strain. mSystems. 2022 Oct 26;7(5):e0043422. doi: 10.1128/msystems.00434-22. Epub 2022 Sep 15. PMID: 36106744; PMCID: PMC9600465. (**Q1, IF=6.4**)
- ✓ Yang Y, Yang M, Peng Y, Liang Y, Wei J, Xing L, Guo L, Li X, Li J, Wang J, **Li M**, Xu Z, Zhang M, Wang F, Shi Y, Yuan J, Liu Y. Longitudinal analysis of antibody dynamics in COVID-19 convalescents reveals neutralizing responses up to 16 months after infection. Nat Microbiol. 2022 Mar;7(3):423-433. doi: 10.1038/s41564-021-01051-2. Epub 2022 Feb 7. PMID: 35132197. (**Q1, IF=28.3**)
- ✓ Li J, Wei J, Xu Z, Jiang C, **Li M**, Chen J, Li Y, Yang M, Gu Y, Wang F, Shu Y, Yang Y, Sun L, Liu Y. Cytokine/Chemokine Expression Is Closely Associated Disease Severity of Human Adenovirus Infections in Immunocompetent Adults and Predicts Disease Progression. Front Immunol. 2021 Jun 7;12:691879. doi: 10.3389/fimmu.2021.691879. PMID: 34163488; PMCID: PMC8215364. (**Q1, IF=7.3**)
- ✓ Luo P, Wang F, Wong NK, Lv Y, Li X, **Li M**, Tipoe GL, So KF, Xu A, Chen S, Xiao J, Wang H. Divergent Roles of Kupffer Cell TLR2/3 Signaling in Alcoholic Liver Disease and the Protective Role of EGCG. Cell Mol Gastroenterol Hepatol. 2020;9(1):145-160. doi: 10.1016/j.jcmgh.2019.09.002. Epub 2019 Sep 25. PMID: 31562937; PMCID: PMC6909006. (**Q1, IF=7.2**)
- ✓ Guan H, Wang Y, Yu T, Huang Y, **Li M**, Saeed AFUH, Perčulija V, Li D, Xiao J, Wang D, Zhu P, Ouyang S. Cryo-EM structures of the human PA200 and PA200-20S complex reveal regulation of proteasome gate opening and two PA200 apertures. PLoS Biol. 2020 Mar 5;18(3):e3000654. doi: 10.1371/journal.pbio.3000654. PMID: 32134919; PMCID: PMC7077846. (**Q1, IF=9.8**)
- ✓ Li JJ, Gao H, Lv Y, **Li MH**, Ren CR, So KF, Xiao J. Zeaxanthin dipalmitate alleviates hepatic injury induced by superimposed chronic hepatitis B and non-alcoholic steatohepatitis in non-obese mice. J Asian Nat Prod Res. 2017 Sep;19(9):910-923. doi: 10.1080/10286020.2017.1349759. PMID: 28816082. (**Q3, IF=1.7**)

Skills and Techniques:

- ✓ Microbiology: Bacterial culture and identification, cell culture.
- ✓ Structural Biology: Bac-to-Bac eukaryotic expression system, protein expression and purification, AKTA system operation, virus purification, crystallization screening, negative staining and electron microscopy, cryo-sample preparation.
- ✓ Molecular Biology: Genomic DNA extraction, PCR and RT-PCR, SDS-PAGE and Western blotting, molecular cloning, protein expression, flow cytometry, immunofluorescence, CCK-8 cell viability assays.
- ✓ Animal Pathology: Animal dissection, tail vein injection, orbital blood sampling, alcoholic liver disease modeling, behavioral testing in mice.
- ✓ Bioinformatics: Protein structure prediction, genomic and proteomic databases, RNA-seq and SLAM-seq, functional

Awards and Honors:

- ✓ 2015-2016: First-class Scholarship for Outstanding Students, Jinan University
- ✓ 2016-2017: Third-class Scholarship for Outstanding Students, Jinan University
- ✓ 2014-2015: Honor Title of Outstanding Student Cadre, Jinan University
- ✓ 2018: National Scholarship for Graduate Students (Ranked Second in the School), Jinan University
- ✓ Season 11&12 of Youth Study at Southern University of Science and Technology, Learning Model
- ✓ 2020-2021: Honor Title of Outstanding Communist Youth League Cadre, Southern University of Scienceand Technology
- ✓ 2021-2022: Honor Title of Outstanding Communist Youth League Cadre, Southern University of Science and Technology
- ✓ 2021-2022: Honor Title of Outstanding Communist Youth League Member, Southern University of Science and Technology

Certifications

- ✓ Level 2 Certificate of Proficiency in Putonghua (Mandarin)
- ✓ AHA CPR Certification, Proficient in Basic First Aid Knowledge
- ✓ Special Equipment Safety Management and Operator
- ✓ College English Test (CET-4/6)

Student Work Experience

- ✓ 2014.9 - 2015.7: Deputy Director, Work-Study Management Committee, Jinan University
- ✓ 2020.1 -2024.7: Class Leader and Youth League Branch Secretary, Southern University of Science and Technology
- ✓ 2022.5 – 2024.7: Discipline Committee Member, Second Student Party Branch, School-Level Organization, Southern University of Science and Technology