

LILY (SHI-TAO) ZHANG

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WWW: lilyzhang4499-cmd.github.io/

PROFESSIONAL SUMMARY

Data-driven life scientist with a PhD in Biochemistry and Molecular Biology, and graduate training in Biostatistics. A self-starter willing to work independently or as part of a team. Committed to contributing impactful solutions and advancing knowledge within respective field.

SKILLS

- **Data & Statistics:** Biostatistics, exploratory data analysis, regression modeling, data cleaning, visualization
- **Programming & Tools:** R, Python, SAS, Excel, Linux
- **Research Operations:** Project coordination, experimental design, workflow optimization, documentation
- **Domain Expertise:** Molecular biology, drug discovery, bioinformatics, molecular dynamics simulations
- **Collaboration:** Cross-functional teamwork, scientific communication, stakeholder reporting

EXPERIENCE

03/2022 - 07/2025

Postdoctoral fellow

Case Western Reserve University - Cleveland, U.S.

- Department of Nutrition, School of Medicine.

EDUCATION

Expected in 07/2026

Master: Biostatistics

Case Western Reserve University - Cleveland, Ohio, U.S.

12/2021

Ph.D.: Biochemistry and Molecular Biology

Jilin University - Changchun China

06/2015

Bachelor of Science: Life Science

Jilin University - Changchun China

PUBLICATIONS

- Zhang S. et al. *Frontiers in Chemistry*, 2021
- Zhang S. et al. *Molecules*, 2021

POSITIONS

Postdoctoral fellow, Department of Nutrition, School of Medicine, Case Western Reserve University, Cleveland, Ohio, Prof. Sichun Yang, 03/01/22 - 07/31/25

LANGUAGES

English:

 Full Professional

Chinese (Mandarin):

 Native/ Bilingual

CERTIFICATIONS & LICENSES

SAS