Linlin Li

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Education

• **2022.09 - Present** **Biology Science, College of Life Sciences & Hongyi Honor College, Wuhan University**

• Overall GPA:	3.64 / 4.0	• Overall average score:	87.8 / 100
• Major GPA:	3.89 / 4.0	• Major average score:	90.6 / 100

• According to the undergraduate programme of Hongyi Honor College of Wuhan University:

1. All required major courses are taught and assessed exclusively in English.
2. Mathematics and physics courses are taught and assessed at the highest difficulty level (tier A).
3. Research-oriented small class courses are offered, such as Hongyi Seminar and Scientific Research Training.
4. In addition to the senior-year graduation thesis, students are also required to complete a one-year research training project and thesis during their junior year.

Awards

• Outstanding Student Award, 2024-2025, Wuhan University
• Third-Class Scholarship for Outstanding Students, 2024-2025, Wuhan University
• National Bronze Medal of the 2023 Collegiate Biodiversity Photography Competition
• First Prize Award in the preliminary round of the 2023 "CATTI Cup" National English Translation Competition
• First Prize Award in the preliminary round of the 2022 "FLTRP • ETIC Cup" National English Reading Contest

Research Experience

• **2025.10 - Present** **Doctor Kelvin Tuong, the University of Queensland**

I am currently a visiting research student at the Centre for Children's Health Research, the University of Queensland. My graduation thesis focuses on developing a Paediatric Immune Cell Atlas by generating scRNA-seq data from clinical blood samples, along with computational benchmarking and comparative analyses of single-cell technologies.

• **2024.09 - 2025.06** **Professor Miao Yu, Wuhan University**

I participated in the study "*Strategies to Optimize Genetic Code Expansion (GCE) Techniques by Reducing Truncated Protein Production*", which aims to develop a more efficient tool for precise protein engineering and live-cell imaging. We developed a eukaryotic expression system that discriminates and eliminates truncations through a protein circuit design, by integrating an N-terminal degron, a C-terminal localization tag, and a split TEV protease. This strategy improved yields by 1.4-fold and reduced truncations by 4.6-fold, with tunable control using small molecules and alternative localization signals.

• **2023.07 - Present** **Professor Shi-Chang Zhang, Hubei University**

I have been conducting the project "*Ontogenetic Shift in Locomotor Mimicry: Integrated Anti-Predator Strategy in the Myrmecomorphic Wolf Spider Arctosa kiangsiensis*". I led all aspects of the research, from experimental design, animal rearing, and parameter optimization to data collection, statistical modeling, and visualization. I have completed a first draft of the manuscript, with plans to submit as first author to Functional Ecology.

Other Experience

- **2025.07 - 2025.08** **National Institute of Biological Sciences, Beijing, China**

  I participated in the Student Summer Training Program at NIBS, where I conducted a research project titled "*CCB02 Inhibits Mouse Oocyte Meiosis*".

- **2025.07** **Chinese Center for Disease Control and Prevention, Beijing, China**

  I interned at the Viral Hepatitis Department of the Chinese CDC, where my responsibilities included nucleic acid testing for HEV in human serum and antibody testing for HAV in human serum.

- **2025.02 - 2025.06** **Wuhan University, Hubei Province, China**

  I worked as a teaching assistant for the required major course Genetics.

- **2024.09 - 2024.11** **Wuhan University, Hubei Province, China**

  I worked as a teaching assistant for the required major course Cell Biology.

- **2024.07** **Gaoligong Mountain (Baoshan section), Yunnan Province, China**

  I took part in the fieldwork project "*Background Resource Survey of Protected Plants in Gaoligong Mountain*".

- **2023.06 - 2023.07** **Shennongjia Forestry District, Hubei Province, China**

  I took part in the fieldwork project "*Exploring the Variation of Erigeron annuus Morphology in Hongping Township*".

- **2023.01** **Fosun Pharma, Beijing, China**

  I interned in the marketing department of the antiviral division of Fosun Pharmaceuticals (Beijing subsidiary).

Skills

- **In terms of wet lab skills,**

1. Proficient in basic cell culture techniques, including cell freezing, thawing, subculture, and plating.

2. Proficient in basic molecular cloning techniques, including primer design, PCR, Gibson assembly, electroporation, plasmid extraction, DNA electrophoresis, RNA extraction, and qRT-PCR.

3. Skilled in western blotting, flow cytometry, mouse oocyte isolation, and immunofluorescence staining.
4. Maintain good research habits, including using OneNote to keep accurate and detailed experimental records.

- **In terms of dry lab skills,**

1. Proficient in R and Python for experimental data processing, analysis and visualization.
2. Proficient in SPSS, GraphPad Prism, Origin, and other tools for data analysis and visualization.

3. Experienced in using Scanpy and SeekSoulTools on HPC platforms for single-cell transcriptomic data analysis.

4. Skilled in ImageJ Macro Language for batch processing of fluorescence images.
5. Skilled in Adobe Illustrator for creating graphical abstracts and scientific figures.

- **In terms of English proficiency**,

1. College English Test Band 6 (CET-6): Score 657, ranked in the top 1% of all test takers.
2. TOEFL iBT: Score 106 (MyBest Score 109).
3. Spoken English: Fluent, with full-time experience working in an English-speaking laboratory in Australia.

Hobbies

- I am keen in nature photography, especially in taking photos of birds and arthropods.
- I love reptiles and spiders, particularly my pet tarantula.
- I enjoy spending time doing aerobic sports, such as swimming and cycling.