

# Xi Luo

📍 Shenzhen, China    ✉ luoxi2000@126.com    ☎ 86 13363931388    🌐 XiLuo

## Education

<b>Southern University of Science and Technology</b> <i>Master of Science in Biology</i>	2022-2025
<ul style="list-style-type: none"> <li>GPA: 3.65/4.0</li> <li>Supervisor: Dr.Chen Xi</li> </ul>	
<b>Southern University of Science and Technology</b> <i>BS in Bioinformatics</i>	2018-2022
<ul style="list-style-type: none"> <li>GPA: 3.2/4.0</li> <li>Supervisor: Dr.Chen Xi</li> </ul>	
<b>Peking University Shenzhen Graduate School</b> <i>Semester Exchange</i>	Mar, 2024 -Jul, 2024
<ul style="list-style-type: none"> <li>GPA: 4.0/4.0</li> </ul>	
<b>University of California, Berkeley</b> <i>Semester Exchange</i>	Jan,2020 -Jun, 2020
<ul style="list-style-type: none"> <li>Courses: Neurobiology of Disease (Helen Bateup);Quantitative Methods in Biology (Rasmus Nielsen); Biochemistry: Pathways, Mechanism, and Regulation (Michael Marletta)</li> </ul>	

## Research Experience

<b>Graduate Research</b> <i>SUSTech</i>	2022-2025
<ul style="list-style-type: none"> <li>Collaborated with physician-scientist Dr.Wang Tianren at HKU Shenzhen Hospital on molecular differences between embryos from mothers of different ages. Performed scRNA-seq analysis on human embryos at post-implantation stage. Analyzed large-scale single-cell datasets of up to 6200 cells. Results under validation by Marta Shahbazi at MRC Laboratory of Molecular Biology, UK</li> <li>Single cell multiomics analysis including scRNA-seq and scATAC-seq.</li> </ul>	
<b>Undergraduate Research</b> <i>SUSTech</i>	2021-2022
<ul style="list-style-type: none"> <li>Developed an interactive tool for single-cell transcriptome analysis using R Shiny. Created a user-friendly web interface for non-bioinformatics users. Project details available on GitHub</li> </ul>	

## Work Experience

<b>App Development Team Leader</b>	2019-2020
<ul style="list-style-type: none"> <li>Founded and led an interdisciplinary app development team. Hired and managed CS major and Business major students. Gained valuable experience in entrepreneurship and team management</li> </ul>	

## Conferences and Poster Presentations

<b>The Second International Conference on Single-cell and Spatial Omics</b>	Mar, 2024
<b>The Fourth Annual Meeting of EMBL Alumni in China</b>	Dec, 2023
<b>National Key Research on Biotechnology and Information Technology: Cell Atlas Project</b>	Feb, 2023
<b>Poster: Molecular Mechanisms Underlying Age-Related Changes in Early Post-Implantation Human Embryo Development,SUSTech</b>	Nov, 2023

## Skills

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**Bioinformatics:** STARsolo, Seurat, Linux, Multiomics analysis

**Programming:** R (Shiny), Python

**Others:** Adobe Illustrator, LaTeX

## Language Proficiency

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**TOEFL iBT Score:** 96

## Career Objective

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Aspiring to leverage my strong background in Biology, bioinformatics, and entrepreneurship to contribute to innovative research and development in the biotech industry. Seeking opportunities to apply my skills in data analysis, tool development, and cross-disciplinary collaboration to drive advancements in biological research and its practical applications.

## References

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1. Dr. Chen Xi, Professor of Systems Biology, Southern University of Science and Technology, chenx9@sustech.edu.cn