Xi Luo

Shenzhen, China luoxi2000@126.com 86 13363931388 XiLuo

Education

Southern University of Science and Technology *2022-2025*
Master of Science in Biology
- GPA: 3.65/4.0

Southern University of Science and Technology *2018-2022*
BS in Bioinformatics
- GPA: 3.2/4.0

Peking University Shenzhen Graduate School *Mar, 2024 -Jul, 2024*
Semester Exchange
- GPA: 4.0/4.0

University of California, Berkeley *Jan,2020 -Jun, 2020*
Semester Exchange
- Courses: Neurobiology of Disease (Helen Bateup);Quantitative Methods in Biology (Rasmus Nielsen); Biochemistry: Pathways, Mechanism, and Regulation (Michael Marletta)

Research Experience

Graduate Research *2022-2025*
SUSTech
- Collaborated with physician-scientists at HKU Shenzhen Hospital on molecular differences between IVF and cultured embryos
- Performed multiomics analysis on human embryos at post-implantation stage (scRNA-seq and scATAC-seq)
- Analyzed large-scale single-cell datasets of up to 6200 cells
- Results under validation by Marta Shahbazi at MRC Laboratory of Molecular Biology, UK

Undergraduate Research *2021-2022*
SUSTech
- 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

Work Experience

App Development Team Leader 2019-2020
- 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

Conferences and Poster Presentations

The Second International Conference on Single-cell and Spatial Omics *Mar, 2024*

The Fourth Annual Meeting of EMBL Alumni in China *Dec, 2023*

National Key Research on Biotechnology and Information Technology: Cell Atlas Project *Feb, 2023*

Poster: Molecular Mechanisms Underlying Age-Related Changes in Early Post-Implantation Human Embryo Development,SUSTech *Nov, 2023*

Skills

Bioinformatics: STARsolo, Seurat, Linux, Multiomics analysis

Programming: R (Shiny), Python

Others: Adobe Illustrator, LaTeX

Language Proficiency

TOEFL iBT Score: 96

Career Objective

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

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