

Yiquan Lu

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RESEARCH & INTERNSHIP

- Aug 2024 — now Doctoral researcher, Stockholm University Stockholm, Sweden
Working on Chromatin Analysis and Modeling of Chromatin Regulation During Early Human Brain Development
- Oct 2023 — Jun 2024 Master Thesis Student, Stockholm University Stockholm, Sweden
Worked in Marek Bartosovic lab
- Single-cell RNA-seq and ATAC-seq integrated analysis of human fetal brain to construct atlas for fetal cerebral cortex development, investigate chromatin accessibility dynamics across the developing brain stage during first and second trimester, and find cell fate determined transcriptional factors.
 - Analysis of nanoCUT&Tag data for human fetal brain development
- Jun 2023 — Sep 2023 Summer Intern, Stockholm University Stockholm, Sweden
Worked in Marek Bartosovic lab
- Learned how to process, integrate and analyze single-cell datasets for human fetal cerebral cortex development, and applied machine learning for features prediction in analysis.
 - Analysis of single-cell CUT&Tag data for mouse brain development.
 - Experienced with packages: Seurat, Scanpy, Signac, cisTopic, Harmony, SCENIC+, Monocle3 & chromVAR.
- Jan 2022 — Jun 2022 Bachelor Thesis Student, Xiamen University Xiamen, China
Worked in Xin Lin Lab
- Transcriptomic profiling (RNA-seq) of *Amphidinium carterae* to reveal metabolic mechanism of diatom bloom sourced dissolved organic matters utilization.
- Jul 2021 — Dec 2021 Intern, Hangzhou Breath Smooth Biotech Co., Ltd · Internship Hangzhou, China
Preclinical pharmacological and toxicological evaluation of asthma and chronic obstructive pulmonary disease drugs.
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EDUCATION

- Aug 2024 — now PhD student in Department of Biochemistry and Biophysics, Stockholm University Stockholm, Sweden
Study programme: Neurochemistry with Molecular Neurobiology
- Aug 2022 — Jun 2024 Master of Science, Karolinska Institutet, Stockholm University, KTH Royal Institute of Technology Stockholm, Sweden
Study programme: Molecular techniques in Life Science, the programme is a collaboration between Karolinska Institutet, KTH and Stockholm University at the Science for Life Laboratory in Stockholm
- Sep 2018 — Jul 2022 Bachelor of Science, Xiamen University Xiamen, China
- Study Marine Biotechnology with CGPA 3.2/4.0
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SCHOLARSHIP & GRANT

- Feb 2025 Royal Swedish Academy of Sciences Chemistry PhD Scholarship 20,000 sek