

Leyi Huang

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EDUCATION

UC San Diego, La Jolla, CA

Sept. 2020-June. 2024

GPA: 3.94/4.0

Major: Molecular and Cell Biology

Relevant Course: CHEM 40A(A), CHEM 40B (A) BIBC 100: Structural Biochemistry (A), BICD 100: Genetics (A+), BIBC 102: Metabolic Biochemistry (A), BICD 110: Cell Biology (A), BENG 247A: Biphotonic (Pass),

Awards: Provost Honors, Marshall College Honor Student

Hangzhou High School, Hangzhou, China

Sept. 2017-June. 2020

GPA: 4.19/4.3

Awards: Hangzhou High School First-class Scholarship; Merit Student (Top 8%); Honorable Mention (Top 30%), HiMCM

EXTRACURRICULAR ACTIVITIES

Research Experience

- **Student Researcher at Zhang Lab, UCSD** Nov.2021-Present
 - Develop a new single-fluorophore PKA activity biosensor by using mNeonGreen
 - Assist FRET-based biosensor AKAR6 project by helping imaging and cloning AKAR6
 - Organize Junior Journal Club for junior members in lab
 - Learn how to design different experiments to achieve goals in my project
 - Learn various cloning and fluorescent imaging techniques
- **Laboratory Assistant at Yan Lab, Zhejiang University School of Medicine** Mar.2021-Aug.2021
 - Performed PCR, Western Blotting, microscopy image analysis, preparing stock solutions
 - Assisted with general lab maintenance
 - Obtained more knowledge about GPCR and how it relates to drug discovery
- **Student Researcher at Pogliano Lab, Phage Genomic Research Initiative at UCSD** Sept.2020-Dec.2021
 - Utilized bioinformatic techniques, such as Phyre, BLAST to infer proteins' functions
 - Presented a poster in 2021 Undergraduate Research Symposium at UCSD
 - Completed a research paper about identifying core genome for nucleus-forming phage with other lab members; submitted the manuscript to *EMBOJ* and currently under review
 - Learned about proteins in vb_Eamm_RAY, which is a nucleus-forming bacteriophage
 - Assisted with basic laboratory maintenance such as glassware and plasticware washing; autoclaving; media preparation, stock solution and buffer preparation

Leadership and Organizations

- Member, UCSD BioScholars Sept.2020-present
 - Participated in various activities such as BioScholars Panels and BISP 170 Seminar Series

Volunteer

- Member, Xiao Library Volunteers Association (3 hours/week) Apr.2018-Aug.2020
 - Tutored kids to read; classified books & trained new volunteers
 - organized reading sessions; became more organized and patient