

Professional Summary

A current fourth-year, premedical undergraduate, majoring in biochemistry at UC San Diego with over three years of research experience and almost two years of clinical experience

Education

Bachelor of Science • Biochemistry and Cell Biology • *University of California San Diego*
La Jolla, CA • Expected Graduation: June 2020
GPA: 3.80

Work History

Undergraduate Researcher • *UC San Diego, School of Medicine*
La Jolla, CA • (September 2016 - Current)

- Organize, inventory, and manage hundreds of biological samples
- Streamline and optimize sample processing and analysis
- Design genomic editing tools with CRISPR to be used on cultured mammalian cells
- Coordinate and participate in regular meetings with other postdoctoral fellows
- Assist in drafting and editing of several papers with one already published
- Coordinate and conduct the education and training of new undergraduate laboratory staff
- Write grant applications for research projects
- Present research at conferences and meetings

Undergraduate Instructional Assistant • *UC San Diego*
La Jolla, CA • (March 2020 – Current)

- Held weekly discussions and office hours with undergraduate students
- Helped proctor and grade exams
- Assisted designing quizzes

ACT/SAT, AP Biology Tutor • *Pivot Tutors*
Sorrento Valley, CA • (Dec 2019 - Current)

- Taught high school and college level mathematics and biology to high school students
- Taught ACT Math and Science

Pathmaker Intern • *Palomar Health*
Escondido, CA • (March 2018 - December 2019)

- Assisted patients with basic needs, wound care, and personal hygiene
- Helped physicians and nurses with patient monitoring, assessment, and personalized care
- Aided in proper documentation and protection of patient medical records and privacy

Skills

- Genetic profiling and analysis
- Cell culture, CRISPR, and transfection techniques
- DNA and RNA isolation and purification from whole blood and saliva
- Adobe Photoshop, Excel, PowerPoint, MATLAB, R Studio
- Writing proficiency
- Intermediate level Spanish
- Patient care and hospital experience
- CPR certified
- Lab organization and management

Accomplishments

- Author on journal publication: Genetic variants at the EGLN1 locus associated with high-altitude adaptation in Tibetans are absent or found at low frequency in highland Andeans. Journal: Annals of Human Genetics
- URS Grant: Eureka! (2019)
- URS Grant: Ledell Family (2017)
- CRES Undergrad Research grant (2017)