

About Me

- Technical Skills/Technologies: Aseptic technique, microscopy, bacterial purification, staining, EnzymeX, 4Peaks, extraction, recrystallization, BLAST, UCSC Genome Browser, NCBI database, genome assembly (ABYSS, SPAdes)
- Areas of Interest: Microbiology, Bioinformatics, Education, Chemistry, Immunology

Education

California State University, Stanislaus

BS IN BIOLOGICAL SCIENCES

- Course work in bioinformatics, microbiology, chemistry
- Minor in Chemistry and concentration in Molecular, Cellular, and Microbial Biology
- 4.0 GPA

Turlock, CA

Expected Spring 2024

Work Experience

California State University, Stanislaus

PEER TUTOR

- Provide walk-in STEM tutoring for biology, microbiology, math, and chemistry courses through the ASPIRE grant
- Facilitate individual and group tutoring sessions to meet student needs
- Frequent communication with tutees to advertise tutoring services and campus resources

Turlock, CA

2022-present

California State University, Stanislaus

INTERNSHIP IN BIOLOGY

- Researched career details and prerequisites of academic programs for various allied health careers
- Compiled and organized salary data, job descriptions, GPA requirements, application procedures, important forms, and more to create a helpful resource for pre-health students at CSU Stanislaus

Turlock, CA

Fall 2023

Academic Projects and Experiences

STEM Education Research

REVIEWED AND DISCUSSED LITERATURE TO DEVELOP CORE ELEMENTS OF EQUITABLE CLASSES, CURRENTLY EVALUATING SYLLABI FOR THESE CORE ELEMENTS WHILE DEVELOPING A COMPREHENSIVE REVIEW SYSTEM

Current

Research Synthesis - Clarithromycin resistance by *Helicobacter pylori*: a review

COMPLETED A COMPREHENSIVE LITERATURE SEARCH ON THE MECHANISMS OF CLARITHROMYCIN RESISTANCE, THEN SUMMARIZED FINDINGS IN REGARDS TO EFFLUX PUMPS AND BIOFILM FORMATION

Fall 2023

California Emerging Scientist Imaging Workshop

ATTENDED HHMI JANELIA WORKSHOP TO DEVELOP SKILLS IN MICROSCOPY AND IMAGE ANALYSIS, RECEIVED HANDS ON TRAINING IN LIVE IMAGING, FLUORESCENCE MICROSCOPY, LIGHT MICROSCOPY, DESIGNING EXPERIMENTS, AND IMAGEJ

Summer 2023

Agroecology in France

STUDIED AGROECOLOGY, SUSTAINABLE FOOD SYSTEMS, AND ENTOMOLOGY AT ISARA IN LYON, FRANCE. ENGAGED IN LECTURES ABOUT CURRENT RESEARCH, CASE STUDIES, FIELD WORK, AND EXCURSIONS. GAINED EXPOSURE TO GEOGRAPHICAL INFORMATION SYSTEM, FISHPOND LANDSCAPES, MIXED CROP LIVESTOCK SYSTEMS, AND CUTTING EDGE MEANS OF FOOD PRODUCTION IN RESPONSE TO URBANIZATION

Summer 2023

Pathways Project – Genomics Education Partnership

UTILIZED UCSC GENOME BROWSER TO ANNOTATE THE GENOME OF DROSOPHILA GUANCHE. WORKED IN A TEAM TO EVALUATE SYNTENY OF GENE TO DROSOPHILA MELANOGASTER, INTERPRET DATA, AND WRITE A PAPER WITH APPROPRIATE DATA AND RESULTS

Spring 2023

Bean Beetle Microbiome Identification

UNDER SUPERVISION OF INSTRUCTOR IDENTIFIED BACTERIA FROM GUT OF BEAN BEETLE. WORKED IN A GROUP TO DEVELOP RESEARCH QUESTION, COMPLETE LABORATORY PROCEDURES, ANALYZE DATA AND COMPLETE RESEARCH PAPER TO SUMMARIZE PROJECT FINDINGS

Fall 2021

Additional Information

DEAN'S LIST RECIPIENT 2020-2023

PRE-HEALTH SOCIETY OFFICER 2022-2023

STEM SERIES PRESENTER AND VOLUNTEER 2023

SCIENCE DAY VOLUNTEER 2023

ECO-WARRIORS TRASH CLEANUP VOLUNTEER 2022