

Sabrina A. Sauri

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Education

- BS Molecular Biology UCSD June 2021 Upper-division GPA: 3.5
- Contiguous BS/MS Marine Biology Scripps Institution of Oceanography December 2022
 - Advisor(s): Dr. Linda Wegley-Kelly, Dr. Jennifer Smith
 - Relevant course work:
Recombinant DNA Techniques Lab, Ecology Lab, Chemistry Lab, General Biology lab, Marine Molecular Ecology, Genetics, Molecular biology, Microbial Genetics, Cellular Biology, Metabolic Biochemistry, Structural Biochemistry, Eukaryotic Gene Regulation, Marine Microbiology Microbial Environmental systems

Experience

- Volunteer research position at Salk Institute in Busch lab (February 2019-December 2019)
 - Advisor: Dr. Nicole Gibbs
 - Assisted in setting up, recording, and analyzing experiments testing the impact of volatile compounds on *Arabidopsis thaliana* plant root growth with software similar to Image J
 - Assisted in seed collection as well as crossing strains of *Arabidopsis thaliana*
 - Used PCR agarose gel electrophoresis to analyze mutant strains of DNA extracted from *Arabidopsis thaliana*
- Volunteer position at Scripps Institute of Oceanography (May 2020-current)
 - Assisting in Coral identification for 100 Island Challenge
- SIO199 Independent Research Project at Smith Lab (Winter quarter 2020)
 - Used large-area imaging techniques to observe how various growth forms and colony sizes of *M. capitata* in Maui, Hawaii impact bleaching susceptibility and mortality.
- Assisted in surveying rocky intertidal (November 2020 & May 2021)
 - Field work done at Scripps Pier and Cabrillo intertidal sites
 - Set up plot to capture images for structure-from-motion data set
- Teaching Assistant at UCSD for Introduction to Visual Arts (September-December 2021)
 - Professor Joshua Tonies
 - Led drawing workshops and discussions

Skills

- Setting up and checking PCR with agarose gel electrophoresis
- Basic laboratory protocol
- Experience cultivating and maintaining livelihood of *C. elegans* and *Arabidopsis thaliana*
- Experience using Photoshop, Microsoft Word, Excel, R Studio, and Fiji/Image J