

Owen Dailey
ordailey01@gmail.com
<http://www.linkedin.com/in/ord17>

EDUCATION

Loyola Marymount University
Bachelor of Science Candidate, Biology

Los Angeles, CA
May 2021

SKILLS

Lab Tools: Azure Biosystems cSeries Imaging Systems, microscopes, thermal cycler, centrifuge, vortex
Lab Techniques: Sodium Dodecyl Sulfate–Polyacrylamide Gel Electrophoresis, Western Blot Assays, Agar Plating, Gram Staining, Bacterial Inoculation, Protein Purification, Enzymology, Protein Viewing, Immunoassays
Software: Microsoft Office, BLAST (sequence analysis software), PyMOL (protein structure software)

RESEARCH EXPERIENCE

Dabir Mitochondrial Biochemical Lab
Research Assistant

Los Angeles, CA
August 2018–Present

- Independently performed biochemical tests with the goal of characterizing a novel mitochondrial protein in collaboration with principal investigator

Publication

Danyun Zhang, Owen R. Dailey, Mikayla Sweitzer, Daniel J. Simon, Yasaman Jami-Alahmadi, James A. Wolfschegel, Carla M. Koehler and Deepa V. Dabir. **Aim32 is a dual localized 2Fe-2S mitochondrial protein that functions in redox quality control.** 2020 (as soon as publishable).

Professional and Work Experience

Bobby Patrick & Associates
Independent Athletic Equipment Salesman

Houston, TX
Summers 2015–2017

- Sold and promoted an innovative mouthguard for the company SafeTGard

Houston's Pediatric Dentist
Dental Shadow

Houston, TX
Summer 2017

- Shadowed a pediatric dentist with extensive training in special needs and medically compromised patients to gain an understanding of the dental profession

Royals Oaks Country Club
Country Club Guest Service Provider (

Houston, TX
Summer 2018

- Provided services to country club members and guests

LMU Summer Opportunities for Advanced Research Program
Research Student

Los Angeles, CA
Summer 2019 and 2020

- Performed biochemical tests (SDS-PAGE gels, western blots, plate assays, blue native assays)

Silicon Beach Dental
Dental Shadow

Los Angeles, CA
Spring 2020

- Shadowed a general dentist and pediatric dentist to gain an understanding of the dental profession

Community Involvement

El Espejo Mentoring Program
Mentor

Los Angeles, CA
August 2017–May 2019

- Mentored high risk students on a weekly basis at Lennox Middle School

Blessed Sacrament Catholic Church Food Kitchen
Volunteer

Los Angeles, CA
January 2018–Present

- Prepared and distributed food to the homeless population in Hollywood

Alpha Sigma Nu (Honor Society of Jesuit Colleges and Universities)
Member

LMU Chapter
March 2020–Present

- Honor society for students who exhibit the Jesuit ideals of scholarship, loyalty, and service