

Aishwarya Majumdar

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EDUCATION

**A. T. Still University, School of Osteopathic Medicine in Arizona
University of California, Berkeley**

B.A. Molecular Cell Biology [Cell and Development Biology]

July 2019 - May 2022
August 2013 - Dec 2016

TECHNICAL SKILLS

- 3 years of laboratory experience: Mammalian tissue culture, bacterial cell culture and transformation, immunochemistry assays, microscope quantification, PCR, Western blots, ELISA, microscopic quantification, fluorescence microscopy, gel electrophoresis, bloodborne pathogens lab work, familiar with flow cytometry
- Microsoft Word®, Excel®, PowerPoint®
- Languages: English, Bengali, French (Intermediate), Hindi (Beginner)

RESEARCH EXPERIENCE

Principal Investigator at The Wright Center for Community Health

August 2020 - June 2021

- Studied barriers to vaccination in long term care facilities in order to improve rates of preventative care in residents
- Oversaw project from conception through IRB approval, data collection, analysis, and publication
- Served as primary liaison between research team and LTCFs for scheduling and obtaining consent

Undergraduate Research Assistant at Conboy Lab, UCB

June 2014 - Dec 2016

- Compared effects of combinations of growth media on proliferation of muscle tissue in comparison to just one medium for replacement of atrophying muscle
- Skills: tissue culturing, immunoassays, PCR, Western blotting, microscope quantification.

Summer R&D Intern at Roche Molecular Systems

Summer 2016

- Studied effectiveness of contrived plasma samples created from naturally degraded cell-free DNA collected from media of mutated cell lines as a surrogate to clinical samples
- Quantified presence of appropriate DNA lines in samples using gel electrophoresis and PCR

Undergraduate Research Assistant for Dept. of Chemistry Education, UCB

June 2015 - Dec 2016

- Analyzing effects and differences made in undergraduate chemistry education with and without the assistance of undergraduate student instructors alongside professors and graduate students
- Responsibilities include data collection, surveying, interviewing, audio and statistical analysis

OTHER PROFESSIONAL EXPERIENCE

Health Services Specialist at Planned Parenthood Mar Monte

June 2017 - July 2019

- Coordinated quality control management for in-house laboratory storing and transportation of biological specimens, scheduled machinery assessments, and training new employees in biological specimen handling
- Provided direct educational and counseling services to patients regarding reproductive health services

Editor/Writer on Berkeley Medical Journal

August 2014 - Dec 2016

- Overseeing and editing writers' articles prior to publishing, as well as writing articles
- Published in Fall 2014 and Spring 2015 issue.

LEADERSHIP & ACTIVITIES

Senator on Student Government Association, ATSU-SOMA

March 2020 - August 2021

- Operated as the liaison between ATSU-SOMA administration and our community health center
- Created a robust didactic and clinical education framework for the inaugural Wright Center medical student cohort

Student Representative on Diversity and Inclusion Committee, ATSU-SOMA

Jan 2020 - May 2022

- Served on the DEI committee with SOMA faculty to increase diversity, equity, and inclusion in curriculum, admissions, and administration

PRESENTATIONS

NACHC Community Health Institute (CHI) and Expo

August 2021

"Prioritizing Preventative Health in Older Adults Residing in Long Term Care Facilities Through Vaccination"

The Wright Center for Graduate Medical Education Grand Rounds

March 2021

"Evaluation of Abdominal Pain in Female Patients"

Regional Medical Education Conference (RMEC)

November 2020

"Implementing a Student-Led, Case-Based Implicit Bias in Medicine Workshop for Medical Students"