

Sofia Theodoras

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I'm a motivated and driven student at UC Berkeley, interested in life sciences VC and impacting the world through funding the edge of innovation.

EDUCATION

University of California, Berkeley – GPA: 3.7

Aug. 2020 – Present

B.A. in Molecular and Cell Biology (Immunology Emphasis), and Computer Science Expected May 2024.

TECHNICAL SKILLS

Languages

Python, Java, C, React, HTML, CSS, AWS, SQL, R, GoLang

English, Swedish

Current Websites 2023

Dynamic website for Startup Competition (HTML/CSS): <https://sofiathebass.github.io/SurMice/>

Web Developer and Current President of (HTML/CSS): <https://tmsca.berkeley.edu>

UC Berkeley Stem Cell Center Webmaster (Wordpress): <https://stemcellcenter.berkeley.edu>

Conboy Lab Webmaster (Wordpress): <https://conboylab.berkeley.edu>

LEADERSHIP EXPERIENCE

Translational Medicine and Stem Cell Association - President

Aug. 2020 – Present

- President August 2022-Present
- Head of the first TMSCA Stem Cell Conference since 2018, bringing in over \$7000 dollars in funding (triple from previous semesters), speakers from around the Bay area, and for the first time being free for all participants.
- Organizing general meetings, talks from PIs around Berkeley, and partnerships with the Princeton Review and Berkeley Healthtech Colab.

Big Ideas Finalist – SurMice

Jan 2023 – May 2023

- SurMice is a startup focused on connecting universities and wildlife facilities to reduce the ethical and environmental impact of laboratory mice by reusing them as feed for carnivorous animals.

Bioprinting at Berkeley

Jan. 2021 – Present

- Using 3D modelling software and a bioprinter to print a TMJ disk (allows your jaw to move) that lasts longer than the traditional fat graft, taking into consideration extended force and wear and tear while using biocompatible compounds.
- Patent Process started last year.

Computer Science Undergraduate Association - Internal Executive

Jan. 2021 – Jan. 2022

- Giving over 800 compsci students a platform to form professional connections.
- Heading general meetings with ~ 70 students, organizing a UC Berkeley alumni panel, and coordinating socials.

PUBLICATIONS

Writer for the American Society for Microbiology (ASM)

Jan. 2021 – June 2021

- Two published articles for ASM, one of the largest life science societies in the world at >30k members.
- <https://asm.org/Biographies/Sofia-Theodoras>

RESEARCH/INTERNSHIPS

Molecular Screening Intern – Upside Foods

May 2023-Aug. 2023

- Optimization of the R&D cloning pipeline by increasing throughput and reducing variability within various steps.
- Building scripts on liquid handler automation equipment (C#, JavaScript) as well as a React UI for a new walkaway system.
- Ran large scale analysis on R&D data to find trends/confidence intervals within their instruments, using >100k datapoints.

Undergraduate Researcher, Conboy Lab

May 2022 - Present

- Researching and planning my own project on how human serum/specific proteins in human serum affect aging in Neural Progenitor Cells; experience using flow cytometer, Western Blots, IPs, cell culture/differentiation.

Undergraduate Researcher, Barton Lab

Aug. 2021 – May 2022

- Understanding the logistics on how to run a well funded, HHMI sponsored lab.
- Experience with Mini/midi preps, PCR, Gel Electrophoresis, mouse work in a gnotobiotic (germ free) facility (tumor injections, weaning and tagging, euthanasia) and growing bacteria in an anaerobic chamber.