

San Francisco and La Jolla, CA | jstroumz [at] ucsd.edu

Objective: Apply strategic experience from working in academia and industry to advance innovative decision making in the life sciences.

## EDUCATION

**2017.09 – PRESENT**     **UNIVERSITY OF CALIFORNIA, SAN DIEGO**  
Biochemistry and Cell Biology B.S.  
Rady School of Management - Business Minor

## SKILLS

**Science**     Clinical Data, Industry applications, Molecular Biology, Biochemistry, and Physiology. Experience associating with a lab and conducting research in a BSL-2 Lab Environment. Knowledge in cell cultures, isolating compounds, and using PCR techniques.

**Computers**     Experience working with computer scientists for ML pipeline and biological analysis. Software including Spotfire, Microsoft Office, Carestream Imaging, and Adobe CC. Experience using R and Python for data analysis and presentation

**Hobbies**     Sailing for the UC San Diego Sailing Team.  
Bike building, singing in choir, and photography.

## EXPERIENCE

**2019.07 – PRESENT**     **CENTER FOR EMERGING AND NEGLECTED DISEASES – UC BERKELEY, CA**  
CEND Intern

- Currently researching COVID-19 synergistic therapeutic combinations.
- Developing and implementing a small-molecule high throughput screening lab.
- Experience working with Tecan, CyBio, and EnVision equipment for screening.

**2020.06 – 2020.09**     **BRISTOL MYERS SQUIBB – LAWRENCEVILLE, NJ**  
Translational Medicine Intern

- Oncology biomarker research on clinical trial patient samples
- Collaborated with a Computer Science intern to employ machine learning algorithms to optimize and comprehend biomarker discovery results.
- Integrating data science and biology for large sample screens
- Knowledge of different screening instruments and assays for TM research

**2020.01 – 2020.06**     **UC SAN DIEGO DIVISION OF BIOLOGICAL SCIENCES – LA JOLLA, CA**  
Upper Division Biology Instructional Assistant / Tutor

- 2nd-time Instructional Assistant for Upper Division Biology courses.
- Led weekly hour-long discussion sections and office hours to develop student understanding of critical concepts in molecular biology and biochemistry.
- Collaboration and communication with the professor and Instructional Assistants to prepare course material and promote an effective learning environment.

**2018.12 – 2019.06**     **SIO CENTER FOR MARINE BIOTECHNOLOGY AND BIOMEDICINE – LA JOLLA**  
Fenical Lab Research Intern

- Researched and worked on isolating and purifying therapeutic natural products.
- Experience working with HPLC and LCMS to isolate and identify molecules.

**2018.12 – 2019.06**     **LA JOLLA SCRIPPS MEMORIAL HOSPITAL – LA JOLLA, CA**  
Cardiovascular Intensive Care Unit Volunteer

- Assisted with pre- and post-operative patient care in an innovative hospital setting