

Ruy Martinez

Harvard University, 85 Park Drive #24, Boston, MA 02115
(512) 809-3488 | ruymartinez@college.harvard.edu

Education

HARVARD UNIVERSITY

Cambridge, MA

A.B Honors Candidate in Chemical and Physical Biology

Expected May, 2022

Relevant Coursework: Life Sciences 50a/b (Integrated Science), Freshman Seminar 50Z (CRISPR, Genome Editing, and the Future of Medicine), Chemistry 20

WESTLAKE HIGH SCHOOL

Austin, TX

Major: STEM, GPA: 108.664

May, 2018

Excellence Award in Organic Chemistry, AP Calculus BC, AP Chemistry, among others.

Recipient of the Michael J. Frost Scholarship, Recipient of Rotary Club Scholarship, 4th place at Health Occupational Students of America International Leadership Conference in Pharmacology

Experience

UNIVERSITY OF TEXAS AT AUSTIN COLLEGE OF PHARMACY

Austin, TX

Research Intern at Smyth Lab

June, 16–August, 2016

- Helped graduate student optimize dermal drug delivery throughput assay improvements using novel imaging techniques
- Set up Franz cells for use of skin samples along with a novel imaging method utilizing electron microscopy

HARVARD UNIVERSITY

Cambridge, MA

Life Sciences 50 Lab Component

September, 2018–May, 2019

- Analyzed metagenomic sequences from Tara Oceans and large datasets using Python, imported Python libraries, and other techniques like t-SNE/multidimensional scaling/PCA
- Worked in learning about the behavior of jumping spiders and how it intersects with their biology with observation.

Chemistry 20 Lab Component

February, 2019–May, 2019

- Practiced biochemistry techniques of chemical synthesis, extraction, etc. in strict conditions.

WYSS INSTITUTE

June, 2019 - Present

- Working with Yin Lab to study protein imaging, Immuno-SABER, PER,

Skills

Laboratory: serial dilutions, fluorescence imaging, measuring of viscosity, titrations, paper chromatography, electroplating in solutions

Other: PCA, Statistics, Python (beginner), Certified Pharmacy Tech