

YABDIEL OLMEDA

BIOLOGIST

DETAILS

PHONE

(939) 290-3492

EMAIL

yabdiel.olmeda@upr.edu

SKILLS

Genetic Engineering

● ● ● ● ● ○

Mathematical analysis in research

● ● ● ● ● ○

Protein isolation and purification,

● ● ● ● ● ○

Basic laboratory skills

● ● ● ● ● ●

Immunoassays

● ● ● ● ○ ○

Cell culturing, cell transformations, and DNA-associated methodologies

● ● ● ● ● ●

LANGUAGES

Spanish

● ● ● ● ● ●

English

● ● ● ● ● ●

Portuguese

● ● ○ ○ ○ ○

PROFILE

Skilled researcher enthusiastic about supporting advancements in the fields of molecular biology and biochemistry. Passionate about increasing knowledge-driven growth that can directly impact society in a competitive workplace that will allow me to provide my experience, knowledge and skills to my employer.

WORK & RESEARCH EXPERIENCE

Academic Peer Tutor, University of Puerto Rico

Cayey, PR

Aug 2019 — Jul 2020

Collaborated with students to complete homework assignments. I provided tailored tutoring sessions to students who presented particular difficulties in a given subject. Planned lessons for 20+ students in areas of college-level algebra and biology.

Research Assistant, University of Georgia

Athens, GA

May 2019 — Jul 2019

Conducting research on molecular processing of tRNA mediated by RNases under the mentorship of Dr. Sidney Kushner and Dr. Bijoy Mohanty. Performed several biochemical testing on mutant E. coli cells to elucidate molecular mechanisms of processing. Methodologies included genetic engineering, DNA isolation and purification, bacteria transformations, electroporations, PCRs, gel electrophoresis and analysis of growth curves.

Research Scientist, University of Puerto Rico

Cayey, PR

Aug 2019 — Present

As part of the Honor's Program, I had the opportunity to conduct my own research project under the mentorship of Dr. Enrique Rodríguez-Borrero. This research experience was mediated via specific college courses that involved problem identification, literature review, research proposal, methodology development, conduction of experiments and communication of results. The research was based on off-target effects of certain widely-used herbicides on the cognitive development of fruit fly larvae.

EDUCATION

B.S. in Biology, University of Puerto Rico

Cayey, PR

Jan 2017 — May 2021

Honor's Studies participant.

B.A. in Communications, University of Puerto Rico

Río Piedras, PR

Aug 2016 — Dec 2016