Biographical Sketch

MELANIE ORTIZ ALVAREZ DE LA CAMPA

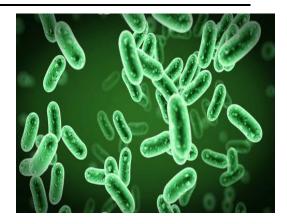
Current Status

B.S. Student Dept. of Biology, UPR-RP

Email: melanie.ortiz11@upr.edu

Education

2016-present	UPR-Río Piedras
2021	BS Integrative Biology (expected)



Research Interests:

Human beings have more microorganisms in their bodies than their actual cells. These organisms are pivotal to our health, and occasionally our diseases as well. As a researcher, I am interested in working with the microbiomes of several organisms, including humans. Microbiome studies may be the key to unlocking the great potential that these microorganisms have to offer in several scientific fields, including (but not limited to) forensic science. I want to uncover new ways we can use microbiome compositions in our favor in studies of pathogenicity and human time of death determination.

Research Experience

2019-present	UPR-RP, Host-microbe interactions in coffee plantations, (mentor, Dr. Paul
2018-2019	Bayman) UPR Molecular Sciences Research Center, Continuous Chiral Crystallization of Methylphenidate, (mentors, Dr. Torsten Stelzer, Dr. Vilmali Lopez)
2018 (summer)	Brown University, Effect of the host microbiome on bacterial antibiotic responses, (mentor, Dr. Peter Belenky)
2017-2018	Brown University, Effect of climate change on plant ecosystem evolution, (mentor, Dr. Dov Sax)
Honors	

Honors

2019-present	Maximizing Access to Research Careers (MARC) Research Assistantship
2018-2019	Puerto Rico Louis-Stokes Alliance for Minority Participation (PR-LSAMP)
	Research Assistantship
2018 (summer)	Leadership Alliance SR-EIP summer internship fellow at Brown University
2016-2018	Hispanic Scholarship Fund Scholar
2016	U.S. President's Gold Volunteer Service Award

Presentations at Local Meetings

- 2019 35th Puerto Rico Interdisciplinary Scientific Meeting, 53rd Junior Technical Meeting Mayaguez, PR
- 2019 XII Colloquium for Women at the University of Puerto Rico, Rio Piedras campus.
- 2019 9th Annual Conference for Climate and Society: Forensic Science at the Service of the Community at the University of Puerto Rico, Rio Piedras Campus.
- 2018 5th ASBMB Annual Research Symposium at the University of Puerto Rico, Rio Piedras Campus.