

Biographical Sketch

JELISSA REYNOSO GARCIA

Current Status

PhD Student
Department of Biology, UPR-Rio Piedras

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Education:

2011-2015 BS Interdisciplinary Science, UPR-Rio Piedras
2017-present PhD Student, UPR-Rio Piedras



Current Research Interest: My research has focused on the mycobiome of two pre-Columbian cultures. We are currently studying ancient DNA from coprolites (mummified feces) based on shotgun metagenomics sequencing. Studying the human gut fungal community composition may help us better understand the microbiota, and in fact anthropological cultural factors.

Research experience:

2017-present **Graduate Student**, Microbiology Laboratory, University of Puerto Rico Rio Piedras.

2018-2019: **Research Assistant**, Taking a breath after disaster research, University of Puerto Rico Rio Piedras Campus and Medical Science Campus

2018: **Visitor Graduate Student**, Next Generation Sequencing Laboratory and Oak Ridge National Laboratory, University of Tennessee.

2017: **Teaching Assistant**, Microbiology, University of Puerto Rico Rio Piedras Campus

2015: **Research Assistant**, Bioretention Laboratory, University of Vermont

2014: **Laboratory Assistant**, Analytical Central Laboratory, South Botanical Garden

2014- 2015: **Student Researcher**, Tropical Limnology Laboratory, University of Puerto Rico Rio Piedras Campus

Other Research activities:

Protein Production and Purification workshop (BioXFEL)
Data analysis with R: Tidyverse workshop

Honors:

2019 Research Initiative for Scientific Enhancement (RISE) Fellowship
2018-present Graduate Dean List
2019 Travel Award, Department of Biology, UPR-RP
2018 Hurricane Relief Grant (AAAS)
2018 Travel Award, Department of Biology, UPR-RP
2018 Outstanding Abstract Award (ASM)
2018 SSE Grant
2017 ASBMB Grant
2015 Magna Cum Laude
2014 Long Term Ecological Research Project (LTER) Grant
2014 Who's who Among Students in American Universities and College Publication
2011-2015 Undergraduate Dean List

Presentations at Local Meetings

2019: "Characterization of the mycobiome and phytobiome of Huecoid and Saladoid Pre-Columbian Cultures" Puerto Rico Society of Microbiologist; San Juan, Puerto Rico

2015: "The quality of rain in the City of San Juan, Puerto Rico", Capstone project and 35th Interdisciplinary Scientific Meeting and 50th Junior Technical Meeting at the University of Puerto Rico Rio Piedras Campus.

Presentations at National Meetings

2019: "Gut Mycobiome and Phytobiome Diversity and Composition in Coprolites from Huecoid and Saladoid Ancient Cultures" ASM Microbe 2019; San Francisco California (oral presentation)

2019: "Hurricane Maria leaves high level of indoor Aspergillus, spores and pro-inflammatory dust in Moisture Damaged Homes in San Juan, Puerto Rico" ASM Microbe; San Francisco, California

2018: "Paleomicrobiological studies show the presence of phytopathogenic fungi in coprolites revealing the diets of Ancient Caribbean cultures" 2nd International Conference on Global Challenges in Neglected Tropical Diseases; San Juan, Puerto Rico.

2018: "Ancient Phytopathogenic Fungi: What Mummified Feces can tell us about Ancient Plant Pathogens" ASM; Atlanta, Georgia.

2016: "Total Phosphorus and Total Suspended Solids Removal by Bioretention Systems" EPSCoR Student Research Symposium; Burlington, Vermont and AGMUS Research Symposium; San Juan, Puerto Rico.