

XAYMARA HERNÁNDEZ GONZÁLEZ, B.S.

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EDUCATION

University of Puerto Rico, Medical Sciences Campus, San Juan, PR, 2018-Present M.S. Student in Microbiology, Area of Specialization: Mycology and Aerobiology

University of Puerto Rico, Humacao Campus, PR, 2013-2018 B.S. in Industrial Microbiology

RESEARCH and/or ACADEMIC EXPERIENCE

Master Research: Department of Microbiology and Medical Zoology, (Dr. Bolaños), 2019-Present

- Currently working in my research thesis in the area of Mycology and Aerobiology of Allergens. I'm studying the effect that aeroallergens (fungal spores and pollen) have in the susceptibility to viral infections in the people residents of Caguas and San Juan.

Undergraduate Research: Department of Biology, University of Puerto Rico-Humacao Campus, (Dr. Fuentes), 2016-2017

- Effect of alkalization and nutritional factors on soil microbial communities in the Valley of Yabucoa on the biomass of microorganisms: Observed the effect that alkalized soil have in the physical and chemical properties of the bacterial populations who live in it.

RESEARCH INTERESTS

- My research interests include *Mycology* and *Aerobiology of Outdoor Allergens* and the effects it have in the immunology (fungal spores).

OUTREACH EXPERIENCE and/or COMMUNITY SERVICE

- Participated as a field technician in the research "Taking a breath after a Disaster". I recollected indoor and outdoor air samples of flooded and non-flooded houses in the community Barriada Figueroa. I was also in charge of identifying by genre the molds we isolated.
- Participated identifying by genre molds we get to isolated from houses of the community of Piñones.
- I am the representative of the graduate students at the Graduate Committee of the University of Puerto Rico-Medical Sciences Campus.

EXTRACURRICULAR ACTIVITIES

- **American Society for Microbiology:** Active Member.
- **Microbiology Chapter UPR-MS (2018-Present):** Active member. I am part of the chapter's directive as vocal.
- **Graduate Students Association (2019-Present):** Active member.
- **Puerto Rico Microbiology Society (2019-Present):** Active member.
- **Puerto Rico Mycology Association (2019-2020).**