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# Jemily Acosta Mercado

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## Current Status

Ph.D. Student  
Department of Chemistry, UPR- Río Piedra Campus

## Education

Aug 2019- Present      Ph.D. Student in Chemistry  
University of Puerto Rico - Río Piedra Campus  
Expected graduation: Mayo 2022

June 2018              Bachelor of Science in Industrial Chemistry,  
University of Puerto Rico - Humacao Campus  
*Magna Cum Laude*

**Current Research Interest:** Seek the development of anti-viral therapies based on protein nanoparticle conjugates.

## Research Experience

Jan 2020- Present      Graduate Research Assistant (Mentor: Marvin J. Bayro, Ph.D)

Jun 2015- Dec 2016    Undergraduate Research Scientist (Mentor: Margarita Ortiz-Marciales, Ph.D)

## Other Research and Professional Development Activities

Jan 2020- Jun 2020    Physical Chemistry Teacher Assistant at University of Puerto Rico, Río Piedra Campus

Jul 2019- Dec 2019    Chemistry Organic Lab Teacher Assistant at University of Puerto Rico, Río Piedra Campus

May 2019- Jul 2019    Quality Assurance Technician, Johnson & Johnson-Ethicon LLC/ Medical Devices Industry at San Lorenzo, PR

May 2017- Jun 2017    Supervised Practice-Chemistry Technician, C. R. Bard Shannon, Inc./ Biotech Industry at Humacao, PR

## Honors and Awards

Aug 2020-Present      Graduate Research Initiative for Scientific Enhancement (RISE) Fellowship

Jun 2018              University of University of Puerto Rico - Humacao Campus, Magna Cum Laude

Dec 2018              Youth Leadership Award, IAR Worship

Oct 2018              Premio Águila Community Award, Rio Grande, PR

Jun 2016              Contribution to Research in The Chemistry Department, ASC, UPRH Chapter

Aug 2015              Supplemental Education Services UPRH Program Scholarship

Aug 2010- May 2013    National Honor Society

## Presentations

**J. Acosta-Mercado**, R. M. Santiago, G. López, S. Ortiz, N. P. López, S. Espinosa-Díaz, M. Rosario, M. M. Padilla- Díaz and M. Ortiz-Marciales, "Synthesis of 7-Methoxy-1- Benzazepines as Nicotinic Acetylcholine Antagonists and Acetylcholinesterase Inhibitors". The 9th PREM Symposium on the Structure and Properties of Biopolymers was held on Friday, May 6th, 2016 at Sheraton Old San Juan Hotel in Puerto Rico (Poster Presentation).

## Extracurricular

Jan 2020              Provide mental health aid, basic needs, and donations for those affected by the earthquakes at Yauco, Puerto Rico, Volunteer, IAR GAP

Apr 2019- Jun 2020    Private Math Tutor, Rosa Learning Center, Rio Grande, PR

Aug 2016- May 2018    Undergraduate Member and Chair, Society for Advancing Chicanos Hispanics and Native Americans in Science (SACNAS), UPRH

Aug 2014- May 2018    Undergraduate Member, American Chemical Society (ACS), UPRH Chapter