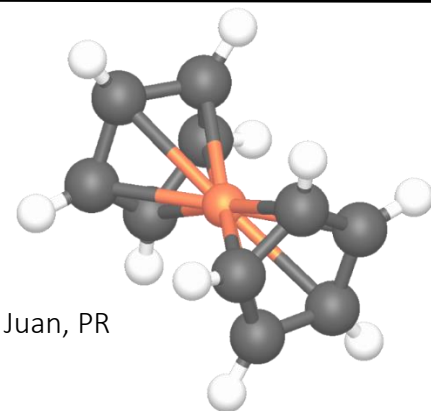


## BIOGRAPHICAL SKETCH

### *Delvin Caraballo Rodríguez*

Current status: Undergraduate Chemistry Student

Email: [delvin.caraballo@upr.edu](mailto:delvin.caraballo@upr.edu)



#### EDUCATION

2018-Present University of Puerto Rico at Rio Piedras San Juan, PR  
B.S. in Chemistry

#### RESEARCH EXPERIENCE

*Jan 2020- present*

*Synthesis, characterization, and biological applications of Adamantane Ferrocenyl Derivatives*

Mentor: Ingrid Montes, Ph.D.

University of Puerto Rico at Rio Piedras

*May 2018- Aug 2018*

*Protein interactions and self-assembly of HIV-1 maturation*

San Juan, PR

Mentor: Marvin Bayro, Ph.D.

Molecular Sciences Research Center

#### RESEARCH INTEREST

Our main goal in Dr. Ingrid Montes' Lab is to synthesize, characterize and evaluate biological applications of ferrocenyl chalcones and ferrocenyl derivatives. My project is focused on the synthesis of adamantyl and ferrocenyl derivatives as potential anticancer compounds. Other scaffolds such as urea, thiourea and amide are incorporated in the proposed compounds to enhance their biological activity. The structures of these compounds will be further confirmed utilizing characterization techniques such as  $^1\text{H-NMR}$ ,  $^{13}\text{C-NMR}$ , XRD, IR and UV-Vis.

#### HONORS AND AWARDS

- RISE UPRRP fellow 2020
- Dean's Honor List 2020
- Dean's Honor List 2019

#### PRESENTATIONS

- *Protein interactions and self-assembly in HIV-1 maturation*  
Short-Term Research Experience for Underrepresented Person (STEP-UP) at the National Institute of Health, Bethesda, MA  
*August 2018*

## EXTRACURRICULAR

- 2020-present* Organic Chemistry Majors course's Mentor  
San Juan, PR  
QUIM-3451/QUIM-3452
- 2020-present* Member of the American Chemistry Society (ACS)  
San Juan, PR  
Board member: Magic Show coordinator
- 2020-present* Founder of Undergraduate Scientific Enhancement for Puerto Rico (USEPR)  
San Juan, PR
- 2020-present* Alternate Student at the University of Puerto Rico-University Board  
San Juan, PR
- 2019-2020* Academic Student Senator at the University of Puerto Rico-Río Piedras  
San Juan, PR
- 2019-2020* General Chemistry course's Mentor  
San Juan, PR  
QUIM-3001/QUIM-3002
- 2019-2020* Member of the Society for Advancing Chicanos/Hispanics & Native Americans in Science (SACNAS)  
San Juan, PR  
Board member: Outreach coordinator
- 2018-2019* Member of the UPRRP General Student Council  
San Juan, PR  
Board member: Recording Secretary