

## Biographical Sketch

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**Chelsi M. Almodóvar Rivera**

### Current Status

Senior Undergraduate Student  
Department of Chemistry, UPR-RP

**Email:** chelsi.almodovar@upr.edu

### Education

2014- Present            UPR – RP  
2019                        B. S. Chemistry (Expected)

### Research Interest

My research interest focuses on isolating and elucidating the structure of secondary metabolites found in marine invertebrates recollected in waters around Puerto Rico. The aim of this study is to evaluate the bioactivity of these compounds as potential activity against diseases such as malaria, tuberculosis and cancer.

### Research Experience

August 2016 – Present            UPR-RP, Discovery of Marine Natural Products  
Mentor: Dr. Abimael D. Rodriguez  
“Isolation, Structure Elucidation and Biological Activity of Secondary Metabolites from Marine Sponge *Hyrtios Proteus*”  
Summer 2017                        The Pennsylvania State University, Understanding the Biochemical Nature of Protein Misfolding and Aggregation  
Mentor: Dr. Xin Zhang  
“Fluorogenic Sensor for Heavy-Metal Induced Proteome Stress”

### Honors

August 2017 – Present            NIH – Minority Access to Research Careers (MARC) fellow.  
University of Puerto Rico, Río Piedras Campus  
2014– Present                        Dean’s Honor List, Natural Sciences Faculty