

## *BIOGRAPHICAL SKETCH*

*Amanda Agosto Ramos*

### **Current Status**

B.S. Student

Department of Biology, UPR-RP

**Email** amanda91136@gmail.com

### **Education**

**August 2014-Present** University of Puerto Rico, Río Piedras

**May 2019** B.S. in Biology (Expected)

### **Research Interests**

I am interested in the field of cellular/ molecular biology and the production of plant derived medicinal compounds. My goal is to become an interdisciplinary scientist in order to better understand the biosynthetic pathways followed by plants in order to create products of medicinal importance. The more we know about such pathways the more we will be able to manipulate them and extrapolate this mechanism to other areas. My work at UPRRP focuses in studying the regulation of EGFR signaling by the protein SEPT9\_v1 in Inflammatory and Triple-negative Breast Cancer.

### **Research Experience**

Regulation of EGFR signaling by SEPT9\_v1 in Inflammatory and Triple-negative Breast Cancer

University of Puerto Rico, Río Piedras Campus

Principal Investigator: Dr. Esther Peterson

**December 2016-Present**

High Value Terpenoid Production in *Physcomitrella patens*

Plant Genomics REU

Michigan Stet University, Michigan

Principal Investigator: Dr. Bjoern Hamberger

**Summer 2017**

Studying Quantitative Traits in *Heliconius charitonia*

University of Puerto Rico, Río Piedras Campus

Principal Investigator: Dr. Riccardo Papa

**August 2016-Present**

Gene Specific Regulation of Protein Translation in Response to Ethylene  
Integrative Molecular Plant Systems REU  
North Carolina State University  
Mentor: Dr. Javier Brumos, Dr. José Alonso and Anna Stepanova  
**Summer 2016**

Studying Rufinamide Polymorphs  
University of Puerto Rico, Río Piedras Campus  
Principal Investigator: Dr. Vilmali López and Dr. Torsten Stelzer  
**August 2015-January 2016**

### **Honors and Awards**

Maximizing Access to Research Careers (MARC) Program  
**August 2017**

Research Initiative for Scientific Enhancement (RISE) Research Assistantship  
**August 2016 – Present**

Dean's Honor List  
**August 2015 – Present**

Honor Scholarship Offered by the University of Puerto Rico to the students in the top 5% of their class.  
**August 2015-Present.**