

# Rocío del Mar Arroyo Guzmán

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PO Box 535 Maunabo, Puerto Rico 00707-0535 | (787)929-1791 | rocio.arroyo1@upr.edu

## EDUCATION

### University of Puerto Rico at Mayagüez | August 2017-Present

- BS in General Biology
- Expected Graduation Date: December 2019
- GPA: 3.80/4.00

### University of Puerto Rico at Humacao | August 2015- July 2017

- BS in General Biology
- Minor in Microbiology

### University of Wisconsin at Oshkosh | Fall 2016 · National Student Exchange Program (NSE)

## LEADERSHIP EXPERIENCES

### AIESEC | 2017-2018

- *People Management Vice-President*: Responsible to maintain a healthy organizational culture and elevated the member experience inside the local committee.
- *EP Manager*: Guide the exchange participant through the whole matching process, providing them an excellent service, and helping them to find out the best volunteering experience.

### American Medical Student Association (AMSA) | January 2016-Present

- *Medical Education Committee Leader*. (2017) Help students to have some networking experiences with Doctors, letting them know about internship and research experiences, at the same time they can visit different Schools of Medicine.
- *Cardiology Interest groups*. (2016) Planned and developed activities with government and private entities, so students interested in Medicine could acquire knowledge about the importance of the Cardiology in our country.

### Centro Educativo Sico Social de Ayuda Inc. (CESSA) | 2016-2017

- *Volunteering*. Provide service to a non-profit institution, allowing people to receive psychological services with no cost.

### Ronald McDonald Foundation | 2015-2016

- *Volunteering*. Provide services to pediatric patients in El Ryder Hospital, allowing the children have a space where they can play and share with other children until their stay in the hospital ends.

### García Rinaldi Foundation | July 2015

- *Cardiology Summer Internship*. Participate as a viewer of Cardiothoracic Surgeries, as well as participate in clinics with different doctors in medicine to learn more about the profession and, at the same time, familiarize myself with medical processes.

## RESEARCH EXPERIENCES

### Evaluation of Mesenchymal Stem Cell Behavior in Miniaturized Culture Arrays | Summer 2018- Present

- To validate the use of miniaturized culture systems generated via razor-printing for development of in vitro models of MSCs for monitoring cell behavior in the cell manufacturing process.

### Study and analysis of inheritance mode of miniature wings and ebony body mutations in *Drosophila melanogaster* | Spring 2017

- Analyzed the inheritance mode of two mutations in *D. melanogaster*, by the mating of two parental flies which were a female with miniature wings, and a male with ebony body.

### May the autochthonous diet influence the development of diabetes in Puerto Rico? | July 2015

- The high incidence of diabetes in the Puerto Rico led to an analytical study in which the possibility that the autochthonous diet can contribute to the acquisition of the disease was studied.

## SKILLS

- Critical Thinking
- Excellent Problem-Solving Skills
- Determined Leader
- Fluent in both English and Spanish
- Ability to work under pressure
- Organized