

Biographical Sketch

Fabiola C. Sotomayor

Current status:

Undergraduate student
University of Puerto Rico, Río Piedras
Biology Department

Email:

fabiola.sotomayor@upr.edu



Current research interest:

My local research has focused on the first cellular response associated with the regeneration of our model of study, *Holothuria glaberrima*, dedifferentiation. By using the electroporation technique, which effect has been studied to duplicate the regeneration response, in order to study the regeneration process. This could allow us to gain insight into the cellular signals that contribute to the regeneration process. My areas of interest involve developmental biology, cancer and chronic disease. However, I would like to gain insight into cardiovascular research and metabolic disease.

Education

University of Puerto Rico, Río Piedras Campus
Molecular and Cellular Biology, Bachelor of Science

San Juan, PR
2015-Present

Research Experience

University of Puerto Rico at Río Piedras, Department of Biology
MARC Fellow

San Juan, PR
2018-Present

- PI: José E. García-Arrarás, Ph.D.
- Project: "The Effect of Electroporation on Cellular Dedifferentiation in *Holothuria glaberrima*"

University of Virginia, School of Medicine.
Summer Research Internship Program (SRIP)

Charlottesville, Virginia
Summer 2018

- PI: Hui Zong, Ph.D.
- Project: "Characterizing a Cutting Edge Cancer Model to Study Tumour Microenvironment at the Single Cell Resolution"

University of Puerto Rico at Medical Sciences Campus,
Comprehensive Cancer Center
RISE Scholar

San Juan, PR
Fall 2017-Spring 2018

- PI: Magaly Marínez-Ferrer, Ph.D.
- Project: "Gene Expression Patterns in Penile Cancer in Puerto Rico"

Presentations

American Society for Biochemistry and Molecular Biology 5th
ASBMB Annual Symposium Oral Symposium

San Juan, PR
2019

Oral Presentation: "The Effect of Electroporation on Cellular Dedifferentiation"

Annual Biomedical Research Conference
for Minority Students

Indianapolis, Indiana
2019

Poster Presentation: "Characterizing a Cutting Edge Cancer

Model to Study Tumour Microenvironment at the Single Cell Resolution”

Forward Research Submit & Innovation Submit

Poster Presentation: “Characterizing a Cutting Edge
Cancer Model to Study Tumour Microenvironment at the Single Cell Resolution”

San Juan, PR
2019

5th Encounter for Undergraduate Investigation and Creation

Poster Presentation: “The Effect of Electroporation on
Cellular Dedifferentiation in *Holothuria glaberrima*”

San Juan, PR
2019

Professional Development

Quantitative Methods Workshop (QMW)

Massachusetts Institute of Technology

Cambridge, MA
January 2-8, 2019

Data Carpentry Workshop- Genomics

University of Puerto Rico, Rfo Piedras

San Juan, PR
August 17-18, 2018

Awards and Fellowships

Maximizing Access to Research Careers (MARC) Program

2018-Present

Honors Study Program at the University of Puerto Rico, Rfo Piedras

2017-Present

Research Initiative for Scientific Enhancement (RISE) Program

2017-2018

The National Society of Collegiate Scholars

2017

Deans List

2017-Present