

Loreilys Mejias Rivera

Undergraduate Student

Dept. of Biology, UPR Rio Piedras

**Email:** [loreilys.mejias@upr.edu](mailto:loreilys.mejias@upr.edu)

**Education:**

2016-2021 BS Biology (expected)

**Current Research Interests:** My main research interests engulf genetics, I am currently working on the genetic profile of osteoblasts cells cultured in optimized nanofiber membranes for bone tissue regeneration.

**Research experience:**

2018-present UPR-Rio Piedras, Research Assistant, (mentor Dr. Eduardo Nicolau)

2019 (summer) Brown University, Research Assistant, (mentor Dr. Alexey V. Fedulov)

2015 (fall) Arecibo Observatory Space Academy, High School Research Student,  
(mentor Dr. Luisa Fernanda)

**Honors**

2016-present Dean's List

2019 Research Initiative for Scientific Enhancement (RISE)

2016 Academic Excellence Award Rafael Carrion Jr. Banco Popular Foundation

**Presentations at Local Meetings**

Loreilys Mejias Rivera, Jaime Santillan, Eduardo Nicolau. Biomimetic scaffolds for bone regeneration based on polydopamine coating of cellulosic membranes. 53<sup>rd</sup> ACS Junior Technical Meeting, UPR-Mayaguez, PR, May 4, 2019

Loreilys Mejias Rivera, Alexey V. Fedulov. The effect of talc on the transcriptome of macrophages to explain their compromised tumoricidal activity against ovarian cancer cells. Brown's Summer Research Symposium 2019, Brown University, August 1, 2019

**Presentations at National Meetings**

Loreilys Mejias Rivera, Alexey V. Fedulov. The effect of talc on the transcriptome of macrophages to explain their compromised tumoricidal activity against ovarian cancer cells. Leadership Alliance National Symposium 2019, Hartford, Connecticut, July 24-28, 2019