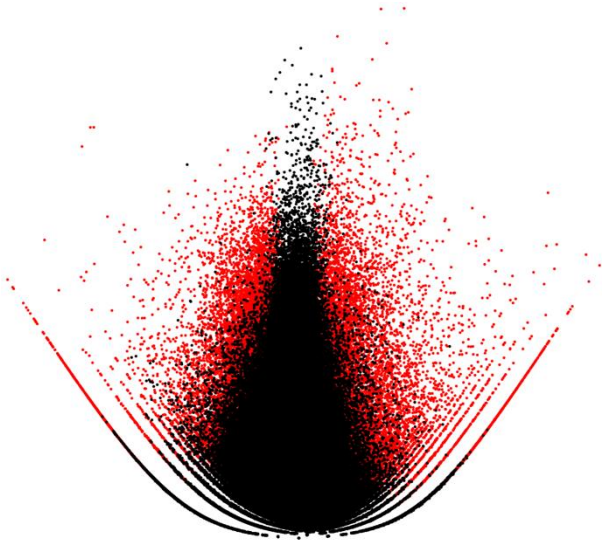
Biographical sketch

SEBASTIÁN CRUZ GONZÁLEZ

Current Status

Undergraduate Student

Department of Biology, UPR-Río Piedras



Email: sebastian.cruz2@upr.edu

Education

2015-Present BS Molecular and Cell Biology (Expected Graduation Date: May 2020)

Current Research Interests: My present work is focused on transcriptomics studies of regeneration using the sea cucumber *Holothuria glaberrima* as a model organism. Currently we are studying the transcriptome of the mesentery as well as the radial nerve cord through RNAseq analyses. We employ various computational techniques to carry out our studies, including *de novo* transcriptome assembly, and gene set and pathway enrichment analyses.

Research Experience

2016-Present Undergraduate Research Student (mentors: Vanessa Torres, Dr. Humberto Ortiz Zuazaga and Dr. José E. García Arrarás)

2018 (Summer) Undergraduate Research Intern, Cancer Genomics Lab, University of Pittsburgh (mentor: Sanghoon Lee)

2019 (Summer) Undergraduate Research Intern, Burge Lab, Massachusetts Institute of Technology (mentor: Dr. Scott Findlay)

Other Research Activities

2019 Quantitative Methods in Biology Winter Workshop at MIT

2019 UCSC Genome Browser Workshop at UPR-RP

2019 Data Carpentry Python Workshop at UPR-RP

2018 Data Carpentry Genomics Workshop at UPR-RP

2017 RNAseq and *De Novo* Transcriptome Assembly Workshop at UPR-RP

2017 Brains, Minds and Machines MIT Workshop at Engine-4

Honors

2017-Present Dean's Honor List

2019 RISE Fellowship

2018-2019 PR-LSAMP Undergraduate Research Fellowship

Presentations at Local Meetings

2019 PR-LSAMP Junior Tech Meeting ("Gene set enrichment analysis of early intestinal regeneration in the sea cucumber *Holothuria glaberrima*")

2018 Puerto Rico FORWARD Research Summit ("Detecting cancer causal genetic structural aberrations affecting aromatase inhibitor-resistance in luminal breast cancer patients")

2018 PR-LSAMP Junior Tech Meeting ("*De-novo* transcriptome assembly and analysis of intestinal regeneration in the sea cucumber *Holothuria glaberrima*")