

Biographical Sketch

MARIELA ROSA-CASILLAS

Current Status

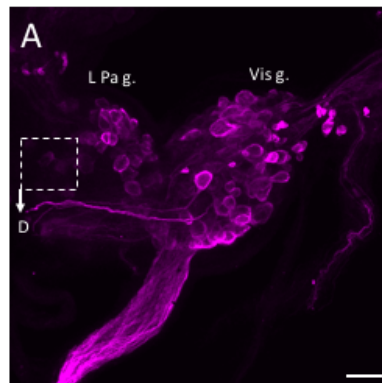
Undergraduate Student

Department of Biology, UPR-RP

Email: mariela.rosa@upr.edu

Education:

2015-present UPR-Río Piedras



Current Research Interests:

Neuroscience

Currently Studying the impact of parasitic infection on neuromodulatory systems that regulate host behavior in snail-schistosome system using transcriptomics and electrophysiological techniques. (August 2016- Present)

Research Experience

2016-present UPR RCM, Institute of Neurobiology (mentor, Dr. Mark Miller)
2015-2016 UPR RCM, Bioquímica, (mentor, Dr. Braulio Jiménez)
2016 (summer) University of California Berkeley, Molecular and Cellular Biology, (mentor, Dr. Polina Lishko)
2014 UPRRP, Microbiology, (mentor, Dr. Miguel Urdaneta)

Honors

2017 National Science Foundation (NSF) Partnerships in International Research & Education (PIRE) Neural Mechanisms of Reward & Decision program Fellowship
2016-present Research Initiative for Scientific Enhancement (RISE) Fellowship
2016 Short-Term Research Experience for Underrepresented Persons (STEP UP) Fellowship
2015-present Kinesis Scholar
2015 Short-Term Research Experience for Underrepresented Persons (STEP UP) Fellowship

Oral Presentations

Rosa-Casillas, M., Crespo-Hernández, N., Ortiz-Martinez, M., Jiménez-Vélez B. MT1a mRNA expression in human lung cells (BEAS 2B) after airborne PM₁₀ and Copper exposure: A possible biomarker for Asthma? *Annual STEP-UP Research Symposium, Bethesda, MD (2015)*

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Rosa-Casillas, M., Gabelev, L., Björkgren, I., Lishko, P. (2016) Revealing the Biological Function of CatSper2 pseudogene. *Annual STEP-UP Research Symposium, National Institute of Health, Bethesda, MD (2016)*

Poster Presentations

Rosa-Casillas, M., Crespo-Hernández, N., Ortiz-Martinez, M., Jiménez-Vélez B. MT1a mRNA expression in human lung cells (BEAS 2B) after airborne PM₁₀ and Copper exposure: A possible biomarker for Asthma? *36th Annual Research and Education Forum, Medical Sciences Campus, University of Puerto Rico, San Juan, PR (2016)*

Rosa-Casillas, M., Crespo-Hernández, N., Ortiz-Martinez, M., Jiménez-Vélez B. MT1a mRNA expression in human lung cells (BEAS 2B) after airborne PM₁₀ and Copper exposure: A possible biomarker for Asthma? *Annual STEP-UP Research Poster Presentations, Bethesda, MD (2015)*

Rosa-Casillas, M., Gabelev, L., Björkgren, I., Lishko, P. Revealing the Biological Function of CatSper2 pseudogene. *Annual STEP-UP Research Poster Presentations, National Institute of Health, Bethesda, MD (2016)*

Rosa-Casillas, M., Gabelev, L., Björkgren, I., Lishko, P. Revealing the Biological Function of CatSper2 pseudogene. *Annual Biomedical Research Conference for Minority Students (ABRCMS), Tampa, FL (2016)*