

Biographical Sketch

Iancarlos Jiménez Sacarello

Current Status

B.S. Student

Department of Biology, University of Puerto Rico, Rio Piedras Campus

Email: iancarlos.jimenez@upr.edu

Education:

2016 – present University of Puerto, Rio Piedras Campus

B.S. in Molecular and Cell Biology

Expected graduation: 2021

Research Interests:

My research focuses on the effect of estrogen receptor (ER alpha 36) in inflammatory breast cancer (IBC) stemness. We are currently studying if ER alpha 36 mediates the activation of an inflammatory response that leads to cancer stem-like cells. This study will help understand how cancer stem-like activity is promoted in IBC and identify new therapeutic targets for this type of breast cancer.

Research Experience:

2018-present University of Puerto Rico, Rio Piedras Campus

Project: Determining the role of ER α 36 in the molecular mechanisms of Inflammatory breast cancer stemness (Mentor: Dr. Esther Peterson)

2019 (Summer) AMGEN Scholars Program at UT Southwestern Medical Center

Project: Identifying the role of axl in dendritic cells and its effect in the antitumor immune response (Mentor: Dr. Todd Aguilera)

Honors:

2017–present Dean’s List

2018–2019 Research Initiative for Scientific Enhancement (RISE) Research Assistantship

2019–present Maximizing Access to Research Careers (MARC) Fellowship

Oral Presentations:

Jimenez I, Rodriguez KM, Guzman J, Bittman X, Aviles S, Negron, D, Montañez K, Peterson, EA (2019) Estrogen non-genomic signaling as a potential therapeutic target against triple-negative Inflammatory Breast Cancer. *38th Puerto Rico Interdisciplinary Scientific Meeting/ 53rd ACS Junior Technical Meeting (PRISM/JTM)*

Poster Presentations:

Jimenez I, Rodriguez KM, Guzman J, Bittman X, Montañez K, Peterson, EA (2018) Estrogen Non-Genomic Signaling as a Potential Therapeutic Target in Inflammatory Breast Cancer.

Jimenez I, Elghonaimy E, Swancutt K, Aguilera T. (2019) Identifying the role of axl in dendritic cells and its effect in the antitumor immune response. *2019 Summer Undergraduate Research Fellowship Poster Session*