

Biographical Sketch

KEISHLA M RODRIGUEZ MARTIR

Current Status

PhD Candidate

Dept. of Biology, UPR-Rio Piedras

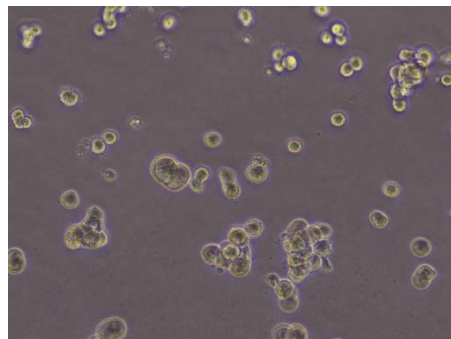
Email: keishla.rodriguez1@upr.edu

Education

2012-2017 BS Biology/Biomedical Sciences

2017-present UPR- Rio Piedras

2022 PhD Biology (expected)



Current Research Interest

My research interest is focused on an aggressive and lethal disease, Inflammatory Breast Cancer (IBC). Currently, we are examined the cytotoxicity and effects on estrogen non-genomic signaling of coumestrol (phytoestrogen) in four breast cancer cell lines.

Research Experience

2017-present Research Assistant (mentor, Dr. Esther Peterson)

2015-2017 Research Assistant (mentor, Dr. Yadira Malavez)

2014-2015 Research Assistant (mentor, Dr Adrienne Tossas)

Other Research Activities

2017-2019 Teaching Assistant (General Biology and Microbiology Laboratory)

2018 Member of judging panel, ASBMB Annual Research Symposium

2017 Member of judging panel, High School Regional Science Fair

Honors

2019 Research Initiative for Scientific Enhancement (RISE) Fellowship

2019 Puerto Rico Boost Grant

2016-2017 Encouraging careers in food security and safety

2016 John C. Johnson Award for excellence in student research

2015-2016 United States Department of Agriculture National Institute of Food and Agriculture

2014-2016 Puerto Rico Louis Stokes Alliance for Minority Participation

2013-2014 Honor Roll

Presentations at Local Meetings

Rodriguez K., Jimenez I., Guzman J., Montañez K., Bittman X., Aviles S., Negron D., Peterson E. Estrogen Non-Genomic Signaling as a Potential Therapeutic Target in Inflammatory Breast Cancer. Puerto Rico Physiological Society's 8th Annual Meeting, 2019.

Rodriguez K., Vendrell M., Malavez Y. Assessment of the antibacterial activity of the *Tamarindus indica*. Seventeenth Undergraduate Research Symposium, 2017.

Rodriguez K., Vendrell M., Malavez Y. Evaluation of the antibacterial activity of the *Tamarindus indica*. Puerto Rico Interdisciplinary Scientific Meeting and the Junior Technical Meeting, 2016.

Rodriguez K., Rullan O., Mayer R., Tossas A. Inventario de aves en hábitat costero en restauración, Camuy, Puerto Rico. Puerto Rico Interdisciplinary Scientific Meeting and the Junior Technical Meeting, 2015.

Presentations at National Meetings

Rodriguez K., Jimenez I., Guzman J., Montañez K., Bittman X., Aviles S., Negron D., Peterson E. Estrogen Non-Genomic Signaling as a Potential Therapeutic Target in Inflammatory Breast Cancer. Experimental Biology Annual Meeting, Orlando, FL, 2019.

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Cirino J., Agosto A., Rolon K., Figueroa G., Martinez G., Montañez K., Rodriguez K., Bittman X., Peterson E. Functional interaction between SEPT9_v1 and EGFR in Triple Negative and Inflammatory Breast Cancer. AACR Annual Meeting, Chicago, 2018.

Rodriguez K., Vendrell M., Malavez Y. Assessment of *Tamarindus indica* antimicrobial activity against Gram-negative bacteria. National Biennial Convention at Bethel University, Minneapolis, 2016.