

Biographical Sketch

Xariana Del Carmen Vales Torres

Current Status

Undergraduate student

Department of Biology, UPR-Rio Piedras

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Education

2017-present UPR-Rio Piedras

Current Research Interests: T_H17-like transcript 1 (TLT-1) is a receptor exclusive to platelets known to bind fibrinogen, augment platelet aggregation and have a role in thrombosis. My study focuses on characterizing the binding kinetics and region of the TLT-1 and fibrinogen interaction. With this knowledge, it would be possible to target the region of interaction to develop antithrombotic therapeutic alternatives for cardiovascular diseases (CVDs).

Research Experience

2019 – present UPR-Rio Piedras, Undergraduate Researcher (mentor, Dr. Washington)

2019 (summer) University of Chicago, Undergraduate Researcher (mentor, Dr. Huang)

Honors

2017 – present UPR-Rio Piedras, College of Natural Sciences Dean's List

2019 UPR-Rio Piedras, College of Natural Sciences Honors Award

2020 Research Initiative for Scientific Enhancement (RISE) Fellowship

Presentations at National Meetings

Vales-Torres, X., Pulido, L., Pacalin, N., Su, L. and Huang, J., T cell Cross-reactivity: Kinetics of Varied Peptide Sequences. 24th Leadership Alliance National Symposium, Hartford, Connecticut, USA, July 26-28, 2019.

Vales-Torres, X., Pulido, L., Pacalin, N., Su, L. and Huang, J., T cell Cross-reactivity: Kinetics of Varied Peptide Sequences. 2019 Chicago Research Symposium, Chicago, Illinois, USA, August 10th, 2019.