

Biographical Sketch

Victorio Jauregui Matos

Current Status

Ph.D. Candidate
Dept. of Chemistry, UPR-Río Piedras

Email: victorio.jauregui@upr.edu

Education

University of Puerto Rico, Río Piedras Campus, College of Natural Sciences, San Juan, P.R.
Bachelor of Science in Chemistry,
GPA: 3.96

University of Granada, Granada, Spain

(In Progress – Senior)

(Spring Semester 17-18)

Current Research Interests

My research in Dr. Carballeira's lab has been focused in the synthesis of fatty acids recognized as natural products. We also synthesize halogenated novel fatty acids due to the nature of their halogen bonding. Knowing their potential as natural products or their ability to form halogen bonds, we also investigate their activity against leishmaniasis and multi-resistant drug bacteria. Specifically, against the parasite *Leishmania donovani* and the bacteria *Staphylococcus aureus*.

Research Experience

2015-2016 UPR, Medical Sciences Campus, Research Assistant (mentor Dr. Braulio D. Jiménez)
2016 (summer) University of Chicago, Research Assistant (mentor Dr. Tobin R. Sosnick)
2017 (summer) University of California, Berkeley, Research Assistant (mentor Dr. Dean Toste)
2018 Universidad de Granada, Research Assistant (mentor Dr. Alejandro Fernández)
2018-present UPR-Río Piedras Campus, Research Assistant (mentor Dr. Néstor Carballeira)

Teaching Experience

General Chemistry I & General Chemistry II: Tutor & Proctor, UPR-Río Piedras Campus, w/ Professor Kariluz Dávila, Ph.D. (2015-2016)

Laboratory for Organic Chemistry I & II for Majors: Mentor & Proctor, UPR-Río Piedras Campus, w/ Professor Ingrid Montes, Ph.D. (2016-Present)

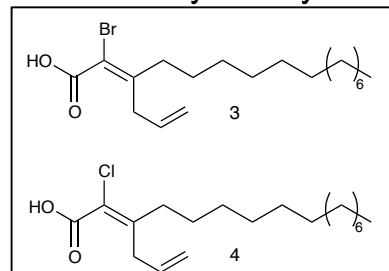
Academic Honors and Scholarships

Research Initiative for Scientific Enhancement Program (RISE) (2018-present)
NSF Puerto Rico Louis Stroke Alliance for Minority Participation (PR-LSAMP) (2017 – 2018)
Dean's List of the Faculty of Natural Sciences, UPRRP (2016 – present)
ASM's Annual Biomedical Research Conference for Minority Student Travel Award (11, 2017)
Society of Toxicology's Committee on Diversity (CDI) Undergraduate Travel Award (11, 2016)
The National Society of Collegiate Scholars (06, 2015)

Conferences Attended

Annual Biomedical Research Conference for Minority Student (ABRCMS) in Phoenix, AZ (11, 2017)
U.S. AMGEN Scholars Symposium (7, 2017)

Fatty Acids Synthesis



Society of Toxicology Annual Meeting in New Orleans, LA
The Leadership Alliance National Symposium

(11, 2016)
(7, 2016)

Presentations at National Meetings

Poster, *Synthesis of bifunctional phosphoric acids as novel catalysts for the enantioselective Reissert Reaction*, Annual Biomedical Research Conference for Minority Student (ABRMCS) (11, 2017)

Oral, *Synthesis of bifunctional phosphoric acids as novel catalysts for the enantioselective Reissert Reaction*, University of California, Berkeley Symposium (8, 2017)

Poster, *Synthesis of bifunctional phosphoric acids as novel catalysts for the enantioselective Reissert Reaction*, University of California, Berkeley Symposium (8, 2017)

Oral, *Characterizing the thermal stability and inter-domain cooperativity of a stress granule protein*, The Leadership Alliance National Symposium (7, 2016)