

William O. Marrero Ortiz

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OBJECTIVE

Obtain an excellent clinical experience that will help me develop academically and professionally in the area of internal medicine, as well as contribute to the growth and diversity of your institution's program.

EDUCATION

BS, Chemistry (2010-2015)

University of Puerto Rico, Rio Piedras, PR

Undergraduate Thesis Advisor: Néstor M. Carballeira, PhD

MD (2015-Present)

University of Puerto Rico, School of Medicine

RESEARCH EXPERIENCE

- University of Puerto Rico, School of Medicine, Department of Endocrinology. Advisor: Margarita Ramirez, MD, Loida Gonzalez, MD, Andres Ortiz, MD.
 - *Pre-operative micronutrient deficiencies in a bariatric population in Hospital Federico Trilla, Puerto Rico* (2017-Present)
- University of Puerto Rico, School of Medicine, Department of Surgery. Advisor: William Mendez, MD, Annette Pascual, MD, Adel Gonzalez, MD.
 - *Outcomes of Adrenalectomy using Adrenergic Blockade Preoperatively in a Single Institution Experience*. Hispanic Center of Excellence - Summer Research Program for Medical Students. (June 2016)
- University of Minnesota, Minneapolis, MN, Division of Hematology, Oncology and Transplantation, Masonic Cancer Center. Advisor: David A. Potter, MD/PhD
 - *(±)-14,15-EET regulation of mitochondrial function in MCF-7 breast cancer cells*. Life Sciences Summer Undergraduate Research Program (LSSURP) (June 2014-August 2014)
- Harvard University Medical School, Boston MA, Division of Medical Sciences, Dana-Farber Cancer Institute, Department of Pediatric Oncology. Advisor: Loren D. Walensky, MD/PhD
 - *Synthesis of a Stereoselective and Functionalized All-Hydrocarbon Stapled Peptide Olefin*. Summer Honors Undergraduate Research Program (SHURP) (June 2013-August 2013)
- University of Pennsylvania, Philadelphia, PA, Biomedical Graduates Studies, Perelman School of Medicine, Department of Radiology. Advisor: Edward J. Delikatny, PhD
 - *Synthesis of Fluorescent Choline Kinase Inhibitors for Cancer Therapy*. Summer Undergraduate Internship Program (SUIP) (June 2012-August 2012)
- University of Puerto Rico, Rio Piedras, PR, Department of Chemistry. Advisor: Néstor M. Carballeira, PhD
 - *First Total Synthesis of (±)-2-methoxy-6Z-octadecenoic acid, a novel fatty acid from the Caribbean sponge Spheciospongia cuspidifera, which inhibits the Leishmania donovani DNA topoisomerase IB enzyme*. (July 2011-May 2015)

AWARDS AND FELLOWSHIPS

- Jose's Hands Foundation Scholarship for Medical Missions (2017). Santiago, RD
- Isidoro Alberto Colon Medal, Chemistry Department, University of Puerto Rico, Rio Piedras (February 2016).
- Life Sciences Summer Undergraduate Research Program (LSSURP)/pre-MSTP Summer Research Program (June 2014-August 2014).
- Ivy Plus Symposium Travel Award (2014) Harvard University/MIT, Cambridge, MA.
- Society for the Advancement of Chicanos/Native Americans in Science (SACNAS) Travel Award (October 2013). Annual SACNAS National Conference, San Antonio, Texas.
- Annual Biomedical Research Conference for Minority Students (ABRCMS), Chemistry and Interdisciplinary award (November 2012). San Jose, California.
- Minority Access to Research Careers (MARC) Fellowship by NIH (August 2012-May 2014) University of Puerto Rico, Rio Piedras, PR.
- Dean's List, Chemistry Department, University of Puerto Rico, Rio Piedras (2011-2015).
- Research Initiative for Scientific Enhancement (RISE) Fellowship by NIH (June 2011- May 2012) University of Puerto Rico, Rio Piedras, PR.
- University of Puerto Rico, Rio Piedras Honor Roll Member (2011-2015).
- AEELA Scholarship (August 2010 - May 2014).

POSTERS PRESENTATIONS

- **Marrero-Ortiz, William O.**, Guo, Zhijun, Potter, David A. *(±)-14,15-EET regulation of mitochondrial function in MCF-7 breast cancer cells*; Minneapolis, MN, LSSURP Final Presentation, (August 2014).
- **Marrero-Ortiz, William O.**, Montano, Nashbly, Carballeira, Néstor M. *First Total Synthesis of (±)-2-methoxy-6Z-octadecenoic acid, a novel fatty acid from the Caribbean sponge Spheciospongia cuspidifera, which inhibits the Leishmania donovani DNA topoisomerase IB enzyme*; Cambridge, MA, Ivy Plus Symposium, (March 2014)
- **Marrero-Ortiz, William O.**, Montano, Nashbly, Carballeira, Néstor M. *First Total Synthesis of (±)-2-methoxy-6Z-octadecenoic acid, a novel fatty acid from the Caribbean sponge Spheciospongia cuspidifera*. Nashville, TN, Annual Biomedical Research Conference for Minority Students, (November 2013)
- **Marrero-Ortiz, William O.**, Bird, Gregory, Walensky, Loren. *Synthesis of a Stereoselective and Functionalized All-Hydrocarbon Stapled Peptide Olefin*; Stamford, CT, The Leadership Alliance National Symposium, (July 2013)
- **Marrero-Ortiz, William O.**, Popov Anatoliy V., Arlauckas Sean P., Delikatny, Edward J. *Synthesis of Fluorescent Choline Kinase Inhibitors for Cancer Therapy*; San Jose, CA; Annual Biomedical Research Conference for Minority Students, (November 2012) Chemistry and Interdisciplinary award.

ORAL PRESENTATIONS

- **Marrero-Ortiz, William O.**, Gonzalez, Adel, Pascual, Annette, Mendez, William. *Outcomes of Adrenalectomy using Adrenergic Blockade Preoperatively in a Single Institution Experience*. Hispanic Center of Excellence - Summer Research Program for Medical Students. (June 2016)
- **Marrero-Ortiz, William O.**, Montano, Nashbly, Carballeira, Néstor M. *First Total Synthesis of (±)-2-methoxy-6Z-octadecenoic acid, a novel fatty acid from the Caribbean sponge Spheciospongia cuspidifera, which inhibits the Leishmania donovani DNA topoisomerase IB enzyme*; Universidad de Puerto Rico, Cayey Campus, Cayey, PR; 49th ACS Junior Technical Meeting, (March 2014)

- **Marrero-Ortiz, William O.**, Bird, Gregory, Walensky, Loren. *Synthesis of a Stereoselective and Functionalized All-Hydrocarbon Stapled Peptide Olefin*; Boston, MA, SHURP Final Presentation, (August 2013)
- **Marrero-Ortiz, William O.**, Popov Anatoliy V., Arlauckas Sean P., Delikatny, Edward J. *Synthesis of Fluorescent Choline Kinase Inhibitors for Cancer Therapy*; Hartford, CT; The Leadership Alliance National Symposium, (July 2012).

PUBLICATIONS

- **Marrero-Ortiz, William**, Marshall-Perez, Lorraine, Hernandez-Suarez, Dagmar, Lopez-Candales, Angel. *Lessons Learned from Hurricane Maria: The University of Puerto Rico Medical Students' Perspective*. (Submitted).
- Yordan-Lopez, Nicole, Hernandez-Suarez, Dagmar, Marshall-Perez, Lorraine, **Marrero-Ortiz, William**, Sanchez-Perez, Bladimir, Lopez-Candales, Angel. *Nonbacterial Thrombotic Endocarditis of the Tricuspid Valve in a Male Patient with Antiphospholipid Syndrome*. (Submitted).

EXTRACURRICULAR ACTIVITIES, MEMBERSHIPS AND PROFESSIONAL AFFILIATIONS

- Medical Strategy Network – Medical Student Missionary. Barahona, RD (2018).
- Founder of Summer Research Internships – (2017- Present).
- American Medical Association – Student Member.
- American College of Physicians (ACP) – Student Member.
- Jose's Hands and One to the Other Ministries Medical Student Missionary. Santiago, RD (2017).
- ACP Internal Medicine Interest Group – Student Member
- Family Medicine Interest Group – Student Member.
- UPR Sociedad de Médicos Graduados (2015- present) – Class 2019 Representative.
- Medical Students Pro-Education Group (2016- present) – Class 2019 Representative.
- Puerto Rico Medical Students Association - Student member
- Pediatric Students Association – Student member
- Recinto Pa' la Calle - Active Volunteer
- Iniciativa Comunitaria - Active Volunteer
- Ivy Plus Symposium, Harvard University/MIT, Cambridge, MA
- American Society for Biochemistry and Molecular Biology (ASBMB)
- Annual SACNAS National Conference, San Antonio, TX
- Society for the Advancement of Chicanos/Native Americans in Science (SACNAS)
- University of Puerto Rico, School of Medicine, Department of Medicine, Shadowing Program.
- Leadership Alliance National Symposium
- Annual Biomedical Research Conference for Minority Students (ABRCMS)
- Golden Key International Honor Society
- American Chemical Society (ACS) University of Puerto, Rio Piedras Student Chapter Member.
- National Honor Society Member (2008 - 2010)
- SER de Puerto Rico Volunteer (2008 -2010)
- United Way Volunteer (2008 - 2010)
- MDA Volunteer (2008 - 2010)

LANGUAGES AND CITIZENSHIP

Fluent in Spanish and English
United States Citizenship

REFERENCES

Néstor M. Carballeira, PhD: nestor.carballeira1@upr.edu
Loren D. Walensky, MD/PhD: loren_walensky@dfci.harvard.edu
Arnaldo J. Díaz, PhD: diaza@mail.med.upenn.edu
David A. Potter MD/PhD: dapotter@umn.edu
Hilton Franqui, MD: hilton.franqui@upr.edu
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Others available upon request.

