

Mabel G. Pérez-Oquendo
CURRICULUM VITAE

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Education

2013-Present **B.S.** in Biology, University of Puerto Rico, Río Piedras Campus, San Juan, PR
2010-2013 **High School, Academic Excellence** at Ernesto Ramos Antonini, San Juan, PR

Research Experience

August 2016- Present **MARC Undergraduate Researcher**, Molecular Sciences and Research Center, University of Puerto Rico, San Juan, PR
Principal Researcher: Dr. Baerga-Ortíz, Abel
Research Project: Expression and Proliferation of Enzymes involved in Bacterial Fatty Acid Biosynthesis

Summer 2016 **RISE Undergraduate Researcher**, SURF Program, Dr. Urrutia and Dr. Lomberk's Lab., Departments of Biochemistry and Molecular Biology, Biophysics, and Medicine, Mayo Clinic, Rochester, MN
Principal Researcher: Dr. Urrutia, Raul & Dr. Lomberk, Gwen
Research Project: Treatment with the G9a Antagonist, BRD4770, Inhibits Esophageal Adenocarcinoma Cell Growth

January 2014- May 2016 **RISE Undergraduate Researcher**, Comprehensive Cancer Center, University of Puerto Rico, Medical Sciences Campus, San Juan, PR
Principal Researcher: Dr. Martínez-Ferrer, Magaly
Research Project 1: Biological Role of BCAT2 in Prostate Cancer Cell Lines
Research Project 2: The Synergistic Effect of Curcumin and Andrographolide in Prostate Cancer Cells

Summer 2015 **RISE Undergraduate Researcher**, CPRIT Program, Dr. Logsdon's Lab., Department of Cancer Biology, MD Anderson Cancer Center, Houston, TX
Principal Researcher: Dr. Logsdon, Craig
Research Project: The Role of Lipocalin 2 in the Microenvironment of Pancreatic Ductal Adenocarcinoma

Honors and Awards

2016-present	Maximizing Access to Research Careers (MARC) Research Assistantship
2015-present	Honors Study Program
2015-present	Golden Key International Honor Society
2014-2016	Research Initiative for Scientific Enhancement (RISE) Research Assistantship
2014	1 st Place at General Chemistry Course's Research Symposium, UPR-RP
2013-present	University of Puerto Rico, Río Piedras Campus Dean's List

2013-2014	Pre- Maximizing Access to Research Careers (Pre-MARC)
2013	Academic Excellence Award

Laboratory Techniques

- Tissue Culturing
- PCR
- Gel electrophoresis techniques
- Western Blotting
- Immunohistochemistry
- Immunofluorescence
- Transfection
- Cell Proliferation (MTS) assay
- Clonogenic assay
- Caspase- 3 Activity assay
- Senescence assay
- Autophagy assay
- Use of IMAGER and Analysis Programs for data interpretation

Skills

- Fully Bilingual (English-Spanish)
- Knowledge in Statistical Software (R Program)
- Musician: Classic Guitar, Piano, Choir, and Lyric Theatre at University of Puerto Rico, Río Piedras Campus

Professional Memberships and Students Organization

2015-present	President , American Society for Biochemistry and Molecular Biology (ASBMB), at University of Puerto Rico, Río Piedras Campus
2015-present	American Association for Cancer Research
2015-present	Student Association of Honor Studies Program
2015-present	Golden Key International Honor Society
2014-2016	Medlife, UPRRP

Other Research Activities

2016	Special Course in Enhancing Verbal, Analytical Reading and Writing Skills for Cancer Research
2016	Special Course in Data Analysis in Cancer Research
2016	Special Course in Topics in Cancer: Basic Principles in Cancer Prevention and Control
2015	SACNAS Conference
2015	Workshop: DNA Barcoding I
2014	ABRCMS Conference
2014	Summer Internship: Dr. García Rinaldi Foundation

Poster Presentations

Mabel Pérez-Oquendo, Navtej Buttar, Sarah Kossak, Sounak Gupta, Raul Urrutia, Gwen Lomberk (2016) Treatment with the G9a Antagonist, BRD4770, Inhibits Esophageal Adenocarcinoma Cell Growth, presented at the Summer Undergraduate Research Fellowship (SURF) Program Poster Session, at Mayo Clinic, Rochester, MN, August 2016.

Mabel Pérez-Oquendo, Sobeyda Gomez, Zobeida Cruz-Monserrate, Craig Logsdon (2016) The Role of Lipocalin 2 in the Microenvironment of Pancreatic Ductal Adenocarcinoma, presented at the 4th Undergraduate Research and Creation Meeting, at San Juan, PR, April 2016.

Mabel Pérez-Oquendo, Ivana Serrano-Lachapel, Luis Haddock-Soto, Juan Ramírez-Lugo (2016) Targeting the Young Scientist Community through their Interest in Biochemistry and Molecular Biology, presented at the Experimental Biology meeting (EB), at San Diego, April 2016.

Mabel Pérez-Oquendo, Sobeyda Gomez, Zobeida Cruz-Monserrate, Craig Logsdon (2015) The Role of Lipocalin 2 in the Microenvironment of Pancreatic Ductal Adenocarcinoma, presented at the Annual Biomedical Research Conference for Minority Students (ABRCMS), at Seattle, November 2015.

Mabel Pérez-Oquendo, Sobeyda Gomez, Zobeida Cruz-Monserrate, Craig Logsdon (2015) The Role of Lipocalin 2 in the Microenvironment of Pancreatic Ductal Adenocarcinoma, presented at the 4th Symposium on Undergraduate Research of Student Association of Honor Studies Program, at University of Turabo, Gurabo, PR, November 2015.

Mabel Pérez-Oquendo, Sobeyda Gomez, Zobeida Cruz-Monserrate, Craig Logsdon (2015) The Role of Lipocalin 2 in the Microenvironment of Pancreatic Ductal Adenocarcinoma, presented at the 2nd Puerto Rico Cancer Research Meeting, at Condado Plaza Hilton, San Juan, PR, October 2015.

Mabel Pérez-Oquendo, Sobeyda Gomez, Zobeida Cruz-Monserrate, Craig Logsdon (2015) The Role of Lipocalin 2 in the Microenvironment of Pancreatic Ductal Adenocarcinoma, presented at the CPRIT-CURE Summer Program Poster Session, at MD Anderson Cancer Center, Houston, TX, August 2015.

Oral Presentations

Mabel Pérez-Oquendo, Edwin Navarro, Alexis Curet, and Bailey Quiñones (2014) Determination of the Presence of Ions in Bottled Waters by Atomic Absorption Spectrophotometry, presented at the Five General Chemistry Course's Research Symposium, at University of Puerto Rico-RP, San Juan, PR, May 2014.

References

- Dr. Abel Baerga-Ortíz, PhD; abel.baerga@upr.edu
- Dr. Magaly Martínez-Ferrer, PhD; magaly.martinez1@upr.edu
- Dr. Jaime R. Ramirez Vivoni, PhD; jaime.ramirez@upr.edu
- Dr. Orestes Quesada, PhD; quesada.orestes@gmail.com
- Dr. Juan S. Ramirez Lugo, PhD; juan.ramirez3@upr.edu