

**Gabriela Tatiana Rosado González**  
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**Education**

- 2020 – Present      University of Puerto Rico, Medical Science Campus  
Yale University  
MD-PhD
- 2015 – 2020      University of Puerto Rico, Río Piedras Campus.  
Bachelor's degree in Cellular and Molecular Biology  
Honors Program Scholar  
Dean's Honors List
- 2012 – 2015      Antonio Lucchetti Vocational High School in Arecibo, Puerto Rico. High School  
Diploma with the prerequisites for an associate degree in Nursing.

**Research Experience**

**University of Puerto Rico- Río Piedras Campus** 2018-2020  
***Undergraduate Student Research Assistant***

Advisor: Suranganie Dharmawardhane, PhD at University of Puerto Rico – Medical Sciences  
Campus

- Evaluation of pharmacokinetics of the novel anti-metastatic drug MBQ-167 for the continued development of this drug as a potential anti-cancer therapeutic.

**University Texas Southwestern** 2019 summer  
***Undergraduate Student Research Assistant***

Advisor: Nicholas Conrad, PhD at UT Southwestern

- RNA decay systems of mammalian cells using Kaposi Sarcoma-Associated Herpesvirus (KSHV) as a model. Determination of synergistic or independent association ORF57, PPPIR10 & CDK12 proteins in RNA stability.

**University of Pennsylvania** 2018 summer  
***Undergraduate Student Research Assistant***

Advisor: Andrew Tsourkas, PhD at University of Pennsylvania

- Rapid production of bispecific antibody that targets epithelial growth factor receptors overexpressed in cancer cells and the CD3 domain found in T-cells, with the objectives of recruiting T-cells towards tumor cells and reduce cancer cell viability.

**University of Puerto Rico- Río Piedras Campus** 2017  
***Undergraduate Student Research Assistant***

Advisor: Torsten Stelzer, PhD at Molecular Science Research Facilities, University of Puerto Rico

- Study of nanoformulation techniques for the development of active pharmaceutical ingredients

targeted delivery systems.

### **Teaching Experience**

**University of Puerto Rico- Río Piedras Campus 2019 *Cell Biology Course Tutor***

Advisor: Rosaura Ramírez, PhD

**University of Puerto Rico- Río Piedras Campus 2017 *Organic Chemistry Course Tutor***

Advisor: Ingrid Montes, PhD

**University of Puerto Rico- Río Piedras Campus 2017 *Project Mentor at Research Experience for Undergraduates: Chemical Learning Integrated in Materials and Biomolecular applications (REU – CLIMB)***

Advisor: Torsten Stelzer, PhD

### **Oral Presentations**

Rosado-González, G., Zappala, F., Tsourkas, A. Rapid Production of Bispecific antibodies for T-cells recruitment to EGFR-positive tumor cells. Leadership Alliance 2018 Meeting. July 2018

Rosado-González, G., Maldonado, M., Dharmawardhane, S. Bioanalytical Method Development for the Detection of the Rac/Cdc42 Inhibitor MBQ-167 in Mouse Tissue. Gulf Coast Undergraduate Research Symposium. 2018.

### **Poster Presentations**

Rosado-González, G., Zappala, F., Tsourkas, A. Rapid Production of Bispecific antibodies for T-cells recruitment to EGFR-positive tumor cells. ABRCMS 2018 Meeting. November 2018

Rosado-González, G., Maldonado, M., Dharmawardhane, S. Bioanalytical Method Development for the Detection of the Rac/Cdc42 Inhibitor MBQ-167 in Mouse Tissue. Experimental Biology Conference 2019. Orlando, Florida 2019.

### **Abstracts**

Rosado-González, Gabriela T. "Bioanalytical Method Development for the Detection of the Rac/Cdc42 Inhibitor MBQ-167 in Mouse Tissue." The FASEB Journal, vol. 33, no. s1, 04/2019, pp. 634.11-634.11, doi:10.1096/fasebj.2019.33.1\_supplement.634.11.

Rosado-González, Gabriela T. "PNUTS and CDK12 Enhance KSHV Gene Expression Independently of RNA Quality Control Pathways." The FASEB Journal, vol. 34, no. s1, 04/2020, pp. 1-1, doi:10.1096/fasebj.2020.34.s1.02714.

### **Awards**

November 17<sup>th</sup>, 2018 **Outstanding Presentation Award** at the 2018 ABRCMS. Rapid Production of Bispecific antibodies for T-cells recruitment to EGFR-positive tumor cells. Engineering, Physics, and Mathematics Category. Indianapolis, Indiana  
University of Puerto Rico Río Piedras Campus, San Juan, PR

### **Minority Access to Research Careers (MARC) Fellowship**

Mentor: Suranganie Dharmawardhane, PhD

University of Puerto Rico Río Piedras Campus, San Juan, PR

### **Research Initiative for Scientific Enhancement (RISE) Fellowship**

University of Puerto Rico Río Piedras Campus, San Juan, PR

Mentor: Torsten Stelzer, PhD

### **Publications**

María del Mar Maldonado, **Gabriela Rosado-González**, Joseph Bloom, Jorge Duconge, Jean F. Ruiz-Calderón, Eliud Hernández-O'Farrill, Cornelis Vlaar, José F. Rodríguez-Orengo, and Suranganie Dharmawardhane. *ACS Omega* **2019** 4 (19), 17981-17989  
DOI: 10.1021/acsomega.9b01641

Zappala F, Higbee-Dempsey E, Jang B, Miller J, Yan L, Minutolo NG, **Rosado González GT**, Tsourkas A, Ozdemir BA. Rapid, site-specific labeling of "off-the-shelf" and native serum autoantibodies with T cell-redirecting domains. *Sci Adv.* 2022 May 6;8(18):eabn4613. doi: 10.1126/sciadv.abn4613. Epub 2022 May 6. PMID: 35522741; PMCID: PMC9075798.

### **Service Activities**

Tutoring services for children at *Centro de Acción Urbana, Comunitaria y Empresarial de Río Piedras* (CAUCE), San Juan, PR (November 2018-Present)

Scientific Outreach activities with MARC program (August 2018 – present)

### **Skills and Abilities**

#### *Languages*

Spanish and English

#### *Research Skills:*

Tissue Culture, Transfection, Bacterial Cultures, Immunoblots (Western Blots and Northern Blots), PCR, qPCR, Electrophoresis, Analytical Procedures, Protein Affinity Purification,

-Reference available on Request-