

GABRIEL MARTINEZ ZAYAS

B.S. Student of Chemistry in UPR-RP

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EDUCATION

AUGUST 2016 - JANUARY 2018

CHEMICAL ENGINEERING, RUM

GPA-3.94

MARCH 2018 - PRESENT

BS IN CHEMISTRY, UPR-RP

GPA-3.96

RESEARCH INTERESTS

Thanks to my research experience I've been able to gather interest in biomedical research; specifically, cancer. Although my research focuses on this, my interest goes further beyond. I would really enjoy exploring the interface of chemistry and biomedical research specially that of biomaterials.

EXPERIENCE

SPRING 2018 – PRESENT

RESEARCH IN EL CENTRO COMPRENSIVO DE CÁNCER DE LA UPR

In the lab of Dr. Pablo Vivas Mejía my project consists on developing Central Nervous System specific liposome-gold nanoparticles for the effective delivery of anti-microRNAs unto brain tumor tissue.

SUMMER 2019

CORNELL'S CENTER FOR MATERIALS RESEARCH REU

During the summer I work in Julie Goddard's lab working on functionalizing a polyurethane coating with antimicrobial and non-fouling properties for food processing plants.

PRESENTATIONS

NOVEMBER 10, 2018

POSTER PRESENTER AT FORWARD RESEARCH SUMMIT

FEBRUARY 8-12, 2019

POSTER PRESENTER AT 11th AACR-JCA JOINT CONFERENCE ON BREAKTHROUGHS IN CANCER RESEARCH: BIOLOGY TO PRECISION MEDICINE

MAY 4, 2019

ORAL PRESENTER AT JTM/PRISM 2019

PUBLICATIONS

Nilmary Grafals-Ruiz, Christian I. Rios-Vicil, Gabriel A. Martinez-Zayas, Eunice Lozada-Delgado, Blanca I Quiñones-Díaz, Yasmarie Santana-Rivera, Fatma Valiyeva, Pablo E. Vivas-Mejía **“Developing Blood Brain Barrier Specific Gold-Liposomal Nanoparticles for RNAi delivery into the Brain”** [Manuscript in Revision] 2019

HONORS

FALL 2018 – SPRING 2019

MEMBER OF THE PR-LSAMP

FALL 2019 – PRESENT

MEMBER OF MARC PROGRAM

ACTIVITIES

FALL 2017 – PRESENT

MUSICIAN OF DEL MISMO RACIMO

