

Biographical Sketch

Miguel A. Nieves Santiago

Current Status:

Undergraduate Student

Dept. of Chemistry, University of Puerto Rico-Río Piedras

Email:

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Education:

2017-present University of Puerto Rico-Río Piedras

2021 BS Chemistry (expected)

Research Interests:

Areas of research include: Organic chemistry, biochemistry and medicinal chemistry. I am currently working on synthesizing ferrocenyl derivatives with potential cholinergic effects. Acetylcholine is an important neurotransmitter necessary for the muscular function of the body. Developing compounds that act as acetylcholinesterase (AChE) inhibitors could help find treatments for diseases such as Alzheimer's.

Research Experience:

2019-present UPR-RP, Synthesis, Characterization, and Biological Applications of Ferrocenyl Derivatives (mentor, Ingrid Montes, Ph.D.)

Honor:

Maximizing Access to Research Careers (MARC) Undergraduate Member