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*GENESIS R. RIVERA CORDERO*

### **Current Status**

Chemistry Student UPR-RP

PhD in Pharmacology candidate

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### **Education**

2017-present BS Chemistry UPR- Rio Piedras

2022- PhD Pharmacology (expected)

Current Research Interest: My research has focused on synthesis of guanosine derivatives that in a cation template they self-assembly recognizing themselves via hydrogen bond forming Supramolecular Particles know as G-quadruplexes. They further develop to colloidal particles call Supramolecular Hacky Sacks, that are chemical, thermal and enzymatic responsive. They can enter the cells and function as a drug delivery system and other possible applications.

### **Research Experience**

2018-present Undergraduate Research (mentor, Dr. José M. Rivera)

### **Honors**

2019 Research Initiative for Science Enhancement (RISE) fellowship

### **Presentations at Local Meeting**

Rivera Cordero, G., Rivera, J., Prieto, L. May 3, 2019- Studies towards developing active supramolecular G-quadruplexes via coupling with a pH oscillator, Junior Technical Meeting Mayaguez, Puerto Rico, May 3, 2019.