



# KEVIN RIVERA

CHEMISTRY

## RESEARCH INTEREST

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Integration of nanoreactors into flow systems. Exploring alternatives to batch processes by using catalysts entrapped in polymer nanocapsules. Encapsulation of a homogeneous catalyst has shown to enhance retention and stability of catalyst in flow process, making it more convenient and efficient.

## EDUCATION

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University of Puerto Rico, Rio Piedras  
Bachelor in Chemistry, 2017

University of Connecticut  
Ph.D. program, present

## CONTACT

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## PUBLICATIONS & PRESENTATIONS

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- Chemistry Open House 2019, Poster, "Enhancing the Efficiency of Catalytic Processes by Encapsulation of Homogeneous Catalysts", March 4, 2019.
- Harnessing visible light inside two-dimensional organized bilayers for directed assembly of polymer nanostructures (manuscript in preparation)

## ORGANIZATIONS & HOBBIES

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### **Puerto Rican Student Association (PuRSA), Graduate Liaison**

SEPTEMBER 2017 - PRESENT

- Organize one-on-one meetings and/or panels with undergraduate students from PuRSA for "career counseling"
- Mentoring PuRSA members at decision-making in their own career paths by sharing past experiences
- Help running extracurricular events

## OUTREACH

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### **CT Middle School Science Bowl, Demo Leader**

SPRING 2019

- Prepared and performed chemistry experiments as an interactive way of learning

### **Windham Technical High School, Tutor**

SPRING 2018

- Tutored students, predominantly Hispanics, in Chemistry and Math