

## Julia Miler



### Research Project(s):

-Effective Synthesis of 3-(piperidin-4-yl)-3,4-dihydroquinazolin-2(1H)-one (PDQ)

### Research Mentor(s):

-Dr. Stephen A. Habay

### Conference(s):

-Salisbury University Department of Chemistry Research Symposium  
-National Conference on Undergraduate Research, 2018

### Award(s):

-Thomas E. Bellavance Honors Director's Fellowship  
-Salisbury University Presidential Scholarship  
-Dean's List  
-Phi Eta Sigma National Honor Society  
-Undergraduate Research Fellow

**Major(s):** Chemistry Major, ACS- Certified, Pre-Pharmacy

**Career Goals:** My career goal is to graduate from Salisbury University with a Bachelor's degree in Chemistry, and go on to pharmacy school to receive a Doctor of Pharmacy degree. In pharmacy school, I hope to be able to continue research in drug development. Following pharmacy school, I aspire to be a clinical pharmacist working in a hospital with patients.

### How has engaging in undergraduate research impacted your academic success?

I began research prior to taking Organic Chemistry. I was fortunate to have a great research advisor who taught me everything in the research lab, and due to this I was able to better excel in class because I was already exposed to lab techniques. Research in Organic Chemistry has made me understand the subject matter beyond the classroom, and it is eye-opening to see the practicality of course material. Undergraduate research has made me a more competitive applicant for REUs and internships. This coming winter I will have the opportunity to complete a shadowing experience in the pharmacy at Peninsula Regional Medical Center, which I look forward to.

### How has Salisbury University helped you to achieve your academic and professional goals?

Prior to coming to Salisbury University, I was accepted into the Honors College. The Honors College, specifically the Dean, Dr. James Buss, has pushed us to get involved in undergraduate research. My freshman year at Salisbury University I took a professionalism class through the Honors College, and we were tasked to speak to a faculty member about their research. Looking into the different chemistry research projects that were being done in our chemistry department, Dr. Stephen Habay's research caught my attention. Upon speaking to him about his research, I immediately wanted to get involved, and he took me on as part of his research group the following semester. Through research I have learned a lot about medicinal chemistry, which I believe will help me in my future career goals. Research has confirmed what I want to do as a career in the future, and I am fortunate to get this experience as an undergraduate.