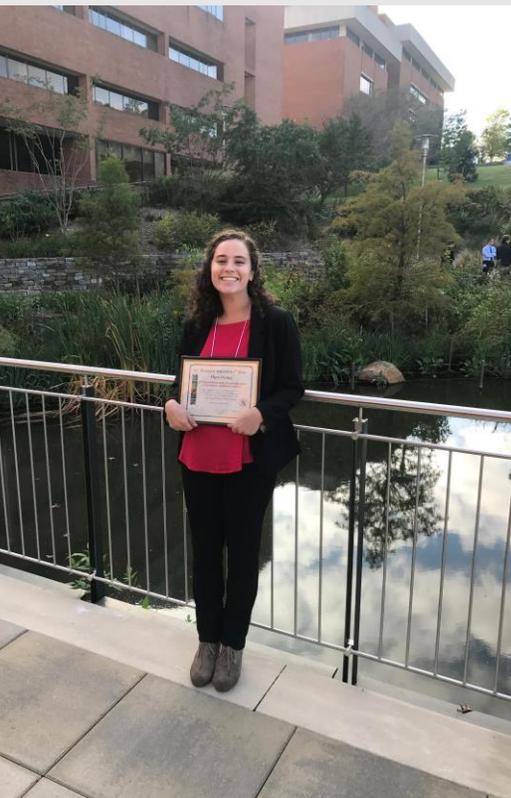


## Myra Dickey



**Major(s):** Biology

**Minor(s):** Chemistry

**Career Goals:** I want to get my PhD in Molecular or Cell Biology, but I am not sure what I want to do after this, maybe becoming a research scientist at a government agency or holding a university position.

### Research Project(s):

- "What's Killing the Buzz? The Effects of Neonicotinoids on Mitochondrial Metabolism in Honeybee's, *Apis mellifera*"
- "Determining the Occurrence of Sex-Biased Dispersal and Potential for Inbreeding in an Endangered Species, the Spotted Turtle (*Clemmys guttata*)"

### Research Mentor(s):

- Dr. Stephen Gehnrich
- Dr. Eric Liebgold

### Publication(s):

- In preparation, "Determining the Occurrence of Sex-Biased Dispersal and Potential for Inbreeding in an Endangered Species, the Spotted Turtle (*Clemmys guttata*)"

### Conference(s):

- Salisbury University Student Research Conference, "What's Killing the Buzz? The Effects of Neonicotinoids on Mitochondrial Metabolism in Honeybee's, *Apis mellifera*," April 2017
- Undergraduate Research Symposium in the Biological and Chemical Sciences, University of Maryland, Baltimore County, "Determining the Occurrence of Sex-Biased Dispersal and Potential for Inbreeding in an Endangered Species, the Spotted Turtle (*Clemmys guttata*)," October 2017
- Experimental Biology National Conference, "What's Killing the Buzz? The Effects of Neonicotinoids on Mitochondrial Metabolism in Honeybee's, *Apis mellifera*," April 2018

### Grant(s):

- University Student Academic Research Award \$750
- Henson Student Research Grant \$600
- Henson Summer Research Grant \$1000

### Award(s):

- First Place in Undergraduate Research Conference in Biological and Chemical Sciences

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

Becoming involved in research has helped me to gain a greater understanding of my advanced classes in biology. I am able to apply techniques that I learned in lab or concepts learned in classes to my research projects and allows me to see multiple ways it can be used in the lab. Being involved in research has taught me how to problem solve and fix flaws in our approach to the research plan. I have also learned how to write and communicate science in an effective and understanding way to the public.

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

Salisbury University is helping me to reach my academic goals by teaching me techniques that I will be able to use in multiple situations to help me reach my future goals. This is from a wide variety of advanced classes that focus in genetics, cell, and molecular techniques and concepts. Classes have helped me to learn the processes, concepts, and overarching ideas that help me to understand why certain processes occur and their effects on organisms. I can then take what I have learned and apply it to future studies. Learning in the class and actually applying it to a lab setting is quite different, so becoming involved in my first research project with Dr. Gehnrich has taught me how to apply this in the lab. This has helped me to learn how to generate my own research projects and to apply it in the lab. Then when I was awarded the Henson summer research grant that allowed me to develop a new project alongside Dr. Liebgold this allowed me to further develop as a researcher.