

Goal 1.2

Reflection

Most of my work done at Longwood contains research and presentations involved with cell biology. Courses like genetics, cell biology, and microbiology prepare students to better understand, analyze, and apply the major principles of cell and molecular biology within specific topics. I was able to present my topic during the Longwood symposium and student showcase for many semesters.

After my introduction class 120, I was then able to take an introduction to genetics 250. In this course, my lab partner and I did a semester-long research project. This was my first presentation and it made me realize my passion for presenting and relaying information. This research allowed my partner and me to apply many skills to our thought process. I had to analyze and apply the major principles of cell biology. I had to study many bacteria and apply this knowledge to my research. I was able to relate the type of bacteria found to our sample site and conclude why the specific bacteria were present.

As a junior, I was able to take cell biology. I was slightly intimidated by the nuance that surrounded this course. I was never heavily interested in cells which is interesting since biology is my major. However, in this class, I was able to further my skills and write many papers including mini-history papers. For this research, I was able to apply my skills in analyzing cell and molecular biology. I analyzed our yeast strain and compare to several other yeast strains and their role in flocculation. We had an interesting conclusion that K97 might have an effect on the secondary structure of the protein with an amino acid change. I was able to successfully apply and analyze the principles of cell biology.

Overall I have made great progress in my years at Longwood in all my courses. I am comfortable analyzing and applying the major principles of cell and molecular biology. These skills will contribute to my future studies by allowing me to understand how to effectively analyze the principles of biology. These skills are incredibly important because understanding and being able to analyze these principles will allow any scientist to make future comparisons to various work. I know my future courses and career will benefit from my development from classes such as genetics, cell biology, and microbiology.