

Development of Scientific Communication Abigail Munteanu, Biochemistry, 2022

SUMMARY

I presented at the Texas Branch American Microbiology *Conference in November at the* downtown UTSA campus. I presented my research over "Hyperswarming" Motility Variants of Vibrio Cholerae Exhibit Reduced Virulence Factor. My goal was to develop the skills and abilities for my future career. I have struggled heavily with public speaking, and I really wanted to work on effectively communicating with those around me and particularly those in my field. My responsibility was to create a poster that properly exhibited my research for the last year. I wanted to understand my data more, and I felt the best way to do this was through a conference. While I was there I had to spend time answering any questions, I actually ended up presenting my work seven times.

TCTTTTCAAACTAATGTATATAGAATGAGTAAATTTGATACTTACATATTCAATA 70 CTTATATATAAACGACTACAAAATGTTCTGGATAGATAGTGGAATTGCAAAGCTTATAGATAAAAATTG 14 ITGGTTAGITATGAGATAAATTCAAGTTCAATTATCITACTCAAGAAAAACTCTATTCAGCGATTITCT 2 AATTAATTAATAGCATTCGAATATCATATTCAATTT AGATTGCATATCAGTCTGGGTTTGCTAGCGTTTCATATITTTCI TGTAGCACCAAGTGAATATTTATTTATGTTGACAGGAGTTGCAGAAAAATAA 8: TCP pilus virulence regulatory protein

HS7: GGT→GTT 2808: TTC→ TTA 2811: ACA→ATA

HS-7→ G133V 2808**→ T253I** 2811 **→ F151L**

Presenting a poster presentation embodied professional development because it taught me how to effectively communicate within my field and the ability to explain my research to any type of person: scientist or not.

<u>Resilience:</u> Finding the right layout, particularly for a giant poster, is not an easy task to do. <u>Benevolence</u>: I help answer questions and learned to tell a story.



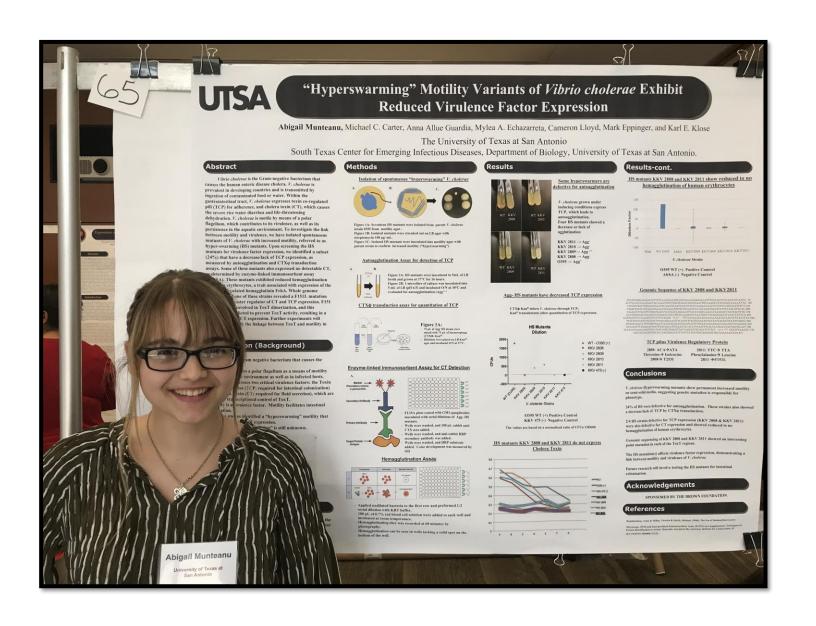
 $Glycine \rightarrow valine$ Threonine→ Isoleucine Phenylalanine→ Leucine

SPICES

LEARNING **OUTCOMES**

Adaptability and Resilience: At one point I found out that my data was labeled incorrectly. I had to work through a page of data, 3 hours of just ATCG. <u>Communication</u>: I had to practice hours before to gain the confidence and ability to translated from scientific to common knowledge. <u>Self-reflection:</u> I learned how to effectively understand that it not about what you present, but how you present your work that makes all the difference.

HERBS



UTSA Honors College • Experiential Learning Fair

Professional Development

IMPACT

Conveying your thoughts to paper, particularly a giant poster, is not an easy task to do. Even when I wanted to give up, I learned to push forward and find solutions. I have learned how to professionally organize my work like a story, so people can not only enjoy my presentation but follow along. Through this experience I have gained so much confidence in myself. I now can speak publicly without becoming shaky or freaking out, and I have learned key tools and skills that I will continue to use in my future career.

ADVICE

Practice makes perfect. Make sure to spend time double checking your work and talking to your peers. Peer evaluations of your work is a great source of feedback and improvement on your work.