

Emily Gosselin

AY 2018-19 All-S.T.A.R. Fellow

A. James Clark School of Engineering
Fischell Department of Bioengineering
4th year Graduate Student, TA



My assistantships have helped me develop the technical, analytical, and communication skills to be an effective research and teacher. As an RA I work in Dr. Chris Jewell's laboratory to study selective therapies for autoimmune diseases therapies without the broad immunosuppression of current treatments. Specifically, I use therapeutic polymer particles to control the function of immune tissues in a model of Multiple Sclerosis. My research has led to a first author paper and two conference presentations.

I have also used my RAship to develop mentoring skills. Through the NSF-funded Program to Enhance Participation in Research, I have mentored three high school students. This involves helping them identify research topics, find and read scientific literature, and prepare a research poster to present at UMD. In lab, I mentor an undergraduate NSF REU student, whose project I designed to help her gain key research skills. For this work, she was selected as a sophomore to present at a national conference.

Outside of research, I was a TA for two different courses. These opportunities helped me realize the impact of an involved mentor, and allowed me practice teaching people with different backgrounds and levels of expertise. Through my assistantships, I learned key skills that helped me earn a spot in the Clark School Future Faculty Program, and will prepare me for a future in academia.