

EDUCATION

The University of Texas at Austin, Austin, TX

May 20XX

- Bachelor of Science in Biology

GPA 3.5

RESEARCH EXPERIENCE

Merck & Co. Inc., West Point, PA

May 20XX – August 20XX

Vaccine Process and Technical Operations Intern

- Developed and implemented new manufacturing and processing technologies for wide scale production of measles, mumps, rubella (MMR), and varicella vaccines
- Participated in process development, scale up, and launch of vaccine discoveries from bench-scale to full size processes using both chemistry, engineering, and biology skills and lab techniques
- Maintained, optimized, and supported MMR and varicella vaccine process, production line, and manufacturing site to ensure high performance, efficiency, and yield of quality products

Dr. Jane Smith Lab, The Ohio State University, Columbus, OH

August 20XX – Present

Undergraduate Research Assistant

- Research interactions that occur between various drugs and polymers in order to improve the solubility and dissolution rate of the drugs (pharmacokinetics)
- Create new compounds through use of a hot-melt extruder to mix drugs and polymers together
- Analyze compounds through methods such as DSC, FTIR, XRPD, and HPLC to determine new physical properties
- Presented research findings monthly at lab meetings

STEP Research Project - Epidermal Cell Fate Regulation Stream

January 20XX – May 20XX

Research Mentor

August 2020 – May 2021

- Promoted to mentor position after displaying strong research and leadership skills in the lab environment
- Mentored 10 new undergraduate researchers as they learned essential laboratory techniques and guided them as they acclimated to a rigorous research program

Undergraduate Research Assistant

January 20XX – August 20XX

- Performed molecular and genetic analysis on two regulatory loci, the Transparent Testa Glabra2 (TTG2) locus and the Glabra2 (GL2) locus, and explored the regulation of plant pigment pathways
- Isolated and identified mutants and genes in pigments such as trichome, testa, and anthocyanin

PUBLICATIONS & PRESENTATIONS

- Smith, A. A., Brian, C. H., Ichthys, H.S., Research, R., Larry, J.C. (2020). Transparent Testa Glabra2 (TTG2) locus and the Glabra2 (GL2) locus. Biochemical Journal, 400(2), 213-218. <http://dx.doi.org/12.456/123456>
- Poster Presentation, “Transparent Testa Glabra2 (TTG2) locus and the Glabra2 (GL2) locus,” Denham Research Forum, Spring 20XX

COMMUNITY INVOLVEMENT

Big Buckeye Club, Mentor

August 20XX – Present

- Mentor children ages 5-12 through games, songs, and meals at weekly gatherings
- Assist in cooking weekly meals for over 30 children and 10 volunteers and teach a craft
- Participated in Art Day to connect with children in disadvantaged neighborhoods