

Hannah M. Rowe

411 Worth Ct., Carmel, IN 46032

(317) 775-2723

Hannah.Rowe3@rockets.utoledo.edu

- Summary:** Hardworking graduate student researcher focused on completing work quickly to consistently exceed targets. Reliable team member accustomed to taking on challenging tasks. Works well independently to handle assignments and always ready to go beyond basic assignments. Quick learner dedicated to project's success.
- Education:** *Ph.D.: Chemistry with a Concentration in Biological Chemistry* *May 2024*
University of Toledo – Toledo, OH
- Bachelor of Science: Biochemistry* *May 2019*
Rose-Hulman Institute of Technology - Terre Haute, IN
GPA: 3.23/4.0, Dean's List
- Study Abroad Program: German Language Course, Cross-Cultural Communication* *June 2016*
University of Stuttgart - Stuttgart, Germany
- Experience:** *Research Team Member* *May 2020-Current*
University of Toledo – Toledo, OH
- Determined the steps needed to take the project to clinical trial
 - Researched procedures for possible pre-clinical trials
- Teaching Assistant* *Aug 2019 - Current*
University of Toledo – Toledo, OH
- Led discussions to help students understand and explore the course material.
 - Maintained regular office hours to help struggling students improve their understanding of the courses core and advanced topics.
 - Organized online classroom environments to help students learn remotely and meet course objectives.
- Research Team Member* *Aug 2017 – May 2019*
Rose-Hulman Institute of Technology – Terre Haute, IN
- Research the role estrogen plays in breast cancer
 - Synthesize tamoxifen with the goal of overcoming drug resistance
 - Discern success of synthesis using flash column chromatography, TLC, ¹H NMR, and ¹³C NMR
 - Test receptor affinity with estrogen receptor and functionality in cell-based assays
- Biology/Biomedical Engineering Lab Assistant* *Sep 2015 - May 2019*
Rose-Hulman Institute of Technology, Terre Haute, IN
- Supervise 6 lab tables and 24 students in professor's absence
 - Manage and clean lab equipment, storeroom, and greenhouse
 - Mix solutions independently and perform animal husbandry on frogs and crawfish
- Research Assistant Marian University, Indianapolis, IN* *Jun 2018 - Aug 2018*
Marian University, Indianapolis, IN
- Propagated and differentiated a neural cell line
 - Inserted DNA, propagated, and extracted DNA sequence from bacterial cells
 - Tested differentiated and undifferentiated cells in propagation/cytotoxicity assays
- Engineering Intern* *May 2017-Aug 2017*
Cook Medical, Bloomington, IN
- Wrote biocompatibility and environmental testing protocols
 - Determined that all aspects of testing adhered to USA and JIS standards
 - Collected and summarized data about biomedical devices and organized design outputs
 - Presented collected data to the team using figures, graphs, tables, Excel, PowerPoint, or Word
 - Created a finished product qualification statement from lab results

Involvement: Engineers for a Sustainable World, RHIT, *and Vice President of Records* Aug 2015 – May 2019
Circle K, RHIT, *Vice President, Secretary* Aug 2015 – May 2019
Alpha Phi Omega Service Fraternity, *VP of Service, Communications Director* Nov 2016 – May 2019
Tri-Beta Biology Honors Society, *Vice President* Dec 2017 – May 2019
RHIT Research Training Institute Conference Feb 2016
Home for Environmentally Responsible Engineering, RHIT Sep 2015-May 2016
Choir, RHIT Aug 2015-Present

Skills: Proficient in Word, Excel, and PowerPoint
Attention to detail
Problem-solving
Manage research
Prepare reports and present findings
Analyze data