

Laura A. Kryah

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OBJECTIVE

Motivated student seeking an internship for the summer of 2020 that utilizes leadership skills and knowledge in the chemical engineering, chemistry, or health sciences field.

EDUCATION

B.S. Chemical & Biomolecular Engineering, Mathematics minor
The Ohio State University, Columbus, OH

Expected graduation: December 2021
Cumulative GPA: 3.37/4.00

RESEARCH EXPERIENCE

Indiana University School of Medicine Department of Radiation Oncology

May-August 2018 & 2019

PI: Joseph Dynlacht

- Performed experiments to determine most effective compound version in killing human cancer cells
- Learned basic and sterile lab techniques; trained to work with mice in a laboratory setting
- Studied the effects of metallorganic compounds that are not toxic to normal tissue at 37 °C when given systemically, but can become toxic under local hyperthermia treatment
- Worked with MDA-231 (breast) and U1 (melanoma) human cancer cell lines
- Co-author of "Enhancement of cytotoxicity of enediyne compounds by hyperthermia: Effects of various metal co-factor complexes on tumor cells." Submitted to *Radiation Research* journal (May 2019)
- Contributor to "Uncovering the Role of Ancillary Ligands in Pt-Phosphine Metalloenediyne Cyclization," Poster. *PINDU Annual Inorganic Chemistry Conference*, Purdue University, West Lafayette, IN, November 2019

QUALIFICATIONS

Coursework:

- Separation Processes
- Transport Phenomena
- Thermodynamics
- Mass & Energy Balances
- Organic & Inorganic Chemistry
- Fundamentals of Engineering
- Probability

Software:

- Microsoft Office
- MATLAB
- SolidWorks

Planned and performed experiments independently in a laboratory setting

Experience collaborating effectively within a team to develop and execute project objectives

Effective communication and organizational skills

Completed urban planning and sustainability portfolio through European education abroad program

ACTIVITIES AND LEADERSHIP

STEM Exploration and Engagement Scholar

August 2017-present

Omega Chi Epsilon (Chemical Engineering Honor Society) - Ohio State Chapter

January 2019-present

- Developed chapter documents and procedure for initiation process as Founding Member and Recruitment Chair

BuckeyeThon (student organization supporting Nationwide Children's pediatric cancer research) August 2017-present

- Guide team members in fundraising as High School Mentor and Team Captain

Aspiration for Women's Advancement and Retention in Engineering and Science

October 2018-April 2019

- Empowered undergraduate women in STEM fields through active engagement biweekly meetings

WORK EXPERIENCE

Smoothie King, Team Member - Fishers, IN

March-August 2017

- Worked as a cashier and used communication skills to ensure customer satisfaction
- Gained interpersonal skills while working on a fast-paced team