

JOSEPH AMPFER

Covington, KY 41011 | (859) 638-7353 | josephampfer@uky.edu

Skills

- Group and individual instruction
- Problem-solving skills
- Research and analysis
- Empathy

Research

Undergraduate Research Assistant Northern Kentucky University

08/2020 to 06/2021
Highland Heights, KY

- Faculty Mentor Dr. Erin Strome, Chair/Professor
- Area of research: Human cancer homologues in *S. cerevisiae* genes SAM1 and SAM2 effect on pathways
- Through previous lab data and journal review, hypothesized breast cancer drug/antifungal Tamoxifen effects calmodulin in an s-adenosyl methionine concentration dependent manner
- Developed and conducted an experiment that supported the hypothesis

Undergraduate Research Assistant (Paid) Northern Kentucky University

05/2019 to 12/2019
Highland Heights, KY

- Faculty Mentor Dr. Amber Onorato, Associate Professor
- Area of research: Identification and Optimization of Novel Small Molecule Inhibitors of mPGES-1
- Synthesized multiple novel/potential anti-inflammatory compounds, poster presentation
- Journal review to develop novel molecules with improved anti-inflammatory capabilities

Poster Presentation

11/2019

Southeast Regional IDEa Conference

Louisville, Ky

- "Synthesis and PGE2 Inhibitory Activity of Novel Diarylheptanoids"

Experience

Laboratory Technologist Cincinnati Children's Hospital

05/2021 - 06/2022
Cincinnati, OH

- Proficient in conducting complex laboratory tests and analyses using advanced equipment and techniques
- Excellent attention to detail and ability to accurately record and report results
- Strong problem-solving skills and ability to troubleshoot technical issues

Standardized Patient University of Kentucky College of Medicine

10/2019 to 08/2022
Highland Heights, KY

- Memorize case scripts detailing emotions, behaviors, and disease symptoms for presentation during simulated learning situations
- Presents case information in a standardized manner
- Accurately scores student performance and provides constructive feedback

Private Tutor Northern Kentucky University

09/2020 to 05/2021
Highland Heights, KY

- Used positive reinforcement, repetition and review to help students master challenging material

Supplemental Instruction (SI) Leader Northern Kentucky University

08/2020 to 05/2021
Highland Heights, KY

- Modified lessons and curriculum to accommodate diverse learners by using strategies such as peer-assisted learning and group work
- Lead fellow SI leaders in conducting effective and efficient exam reviews

Current Projects

Artificial Intelligence in Medicine University of Kentucky COM NKY

2023 to 2024
Highland Heights, KY

- Spearheading AI in Medicine Interest Group at University of Kentucky College of Medicine

- Collaborating with Dr. Wael Eid to create and lead a group focused on discussing and promoting the use of artificial intelligence in the field of medicine
- Plan to organized and lead meetings, guest speaker events, and workshops to educate and engage members on the potential and limitations of AI in healthcare
- Plan to developed and maintained relationships with local hospitals and research institutions to provide hands-on learning opportunities for members

Service

Free Health Clinic	11/2022 - Current
CCRU (Compassionate Care Reaching yoU)	Covington, KY
<ul style="list-style-type: none"> • Served as triage for incoming patients, taking chief complaints and vitals • Plan on continued service throughout medical school 	
The Christ Hospital Volunteer	08/2019 - 12/2019
The Christ Hospital	Cincinnati, OH
<ul style="list-style-type: none"> • Provided updates to families about patients in the Joint and Spine Center, stationed at the front desk and frequenting the PACU for updates. • Delivered flowers and mail to patients across the hospital. 	
Catholic Order of Foresters Volunteer	10/2017 - 10/2019
St. Joseph Parish	Cold Spring, KY
<ul style="list-style-type: none"> • Participates in an annual sandwich drive organized by the Catholic Order of Foresters at St. Joseph Parish 	
Holly Hill Family and Child Solutions Volunteer	05/2017, 06/2018
A.J. Jolly Park	Alexandria, KY
<ul style="list-style-type: none"> • Involved in setup, guest check-in, and clean-up for golf outings • Served food and cleaned up after the events 	
Campus Ministry	08/2016 - 05/2017
Bishop Brossart	Alexandria, KY
<ul style="list-style-type: none"> • Participated in student group that provided opportunities for the whole school to be educated about service, through organizing service learning and hands on community service projects • Led and organized a mini-golf fundraiser for students who wanted to attend March for Life, and also participated in volunteer projects such as sorting canned goods at the Freestore Foodbank 	

Education

Bachelor of Science: Biology - Cellular Molecular Genetics	03/2021
Northern Kentucky University	Highland Heights, KY
<ul style="list-style-type: none"> • Minor in Chemistry • GPA: 3.882 MCAT: 521 	