

Nora Sypkens

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EDUCATION:

University of Kentucky (UK), Lexington, KY

Expected Graduation: May 2025

Major: Biochemistry

GPA: 4.0 over three semesters, 104 completed credits

Lunsford Scholar

Montini Catholic High School, Lombard, IL—Valedictorian

RESEARCH EXPERIENCE:

CHE 395 Research Experience Course

September 2022 - Present

- Independent research project in area of chemistry under UK chemistry faculty mentor
- Research involved the formation and testing of vesicles to determine viability for distributing cancer therapeutics as a substitute to damaging non-targeted treatments.
- Research included cell culture care, nitrogen cavitation, centrifugation and resuspension
- Analyzed created vesicles by use of nanosight software and fluorescence imaging
- Upon finalizing research, created formal ACS style report and presented at the chemistry department's annual undergraduate poster competition

STEMCATS LLP

August 2021 - May 2022

- Accepted into Living Learning Program with community of first year STEM majors
- Participated in two associated courses for the program—the first being a weekly meeting with professors from a variety of scientific fields to hear about their career paths and research areas, the second being an introductory research course.
- Worked under faculty mentor to perform a study of the degree to which melatonin affects the circadian rhythm.
- Presented research at UK Showcase of Undergraduate Scholars in Spring 2022.

AWARDS & ACCOMPLISHMENTS:

Robert M. Boyer Memorial Scholarship

May 2022

- Awarded by the University of Kentucky Chemistry Department for academic excellence.

Omicron Delta Kappa Honor Society

September 2022

- Accepted into the ODK Honor Society, which has a mission to identify, honor, and develop leaders in collegiate and community life.

Jerry D. Claiborne Scholarship

March 2023

- Awarded by the University of Kentucky's chapter of ODK to a student who demonstrates characteristics of leadership, humility, mentorship, and integrity.

Thomas B. Nantz Scholarship

May 2023

- Awarded by the University of Kentucky Chemistry Department for academic excellence.