

**CURRICULUM VITAE**

**Kourtney Weaver**

**Current Title:** MD/PhD Student

**Business Address:** Department of Physiology 1901 Perdido Street Medical Education Building, Room 7205 New Orleans, LA 70112

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**Education:**

Undergraduate:University of New Orleans,

New Orleans, LA (2016-2019)

B.S. in Biological Sciences, 2019

Departmental Honors, Summa Cum Laude

Medical/Graduate:Louisiana State University Health Sciences Center, New Orleans, LA (2020 - Present)

School of Medicine and Department of Physiology

**Academic, Professional, and Research Appointments:**

**2017-2020** Medical Scribe at Ochsner Baptist Medical Center

**2018-2019** Undergraduate Research Intern, University of New Orleans,

**2018** Undergraduate Summer Research Intern, LSU Health Science Center, New Orleans

**2019** Undergraduate Summer Research Intern, University of Massachusetts Medical School, Worcester, MA

**2020** Medical Student Summer Research Intern, LSU Health Science Center, New Orleans

**2020-Present** MD/PhD Student, LSU Health Science Center, New Orleans

**Awards and Honors:**

**2022** American Society of Pediatric Nephrology Trainee Travel Award to attend ASPN/PAS Annual Conference

**2020** Biology Faculty Award in Biochemistry and Molecular Biology Recipient at UNO

**2019** Stanley P. Leibo Memorial Award for Outstanding Students in Cell and Developmental Biology Recipient at UNO

**2018** UNO College of Sciences Undergraduate Research Program Tolmas Scholar Recipient

**2017** Privateer Undergraduate Research and Scholarly UNO Experience (P.U.R.S.U.E.) Scholarship Recipient at UNO

**Membership in Professional Organizations:**

**2022** American Physiological Society

**2022** Research Society on Alcoholism

**Publications:**

1. Indika Kumarapperuma, Kes Lynn Joseph, Cong Wang, Linta M. Biju, Irin P. Tom, **Kourtney D. Weaver,** Théophile Grébert, Frédéric Partensky, Wendy M. Schluchter, Xiaojing Yang, Crystal structure and molecular mechanism of an E/F type bilin lyase-isomerase, Structure, 2022
2. Shaan Lakshmanappa, Y., Elizaldi, S.R., Roh, J.W. Jamin W. Roh, Brian A. Schmidt, Timothy D. Carroll, **Kourtney D. Weaver**, et al. SARS-CoV-2 induces robust germinal center CD4 T follicular helper cell responses in rhesus macaques. Nat Commun 12, 541 (2021).
3. **Weaver, Kourtney,** "Investigation of the amino acids responsible for isomerase activity through mutagenesis of bilin lyase MpeW from *Synechococcus* sp. A15-62" (2019). Senior Honors Theses. 134. <https://scholarworks.uno.edu/honors_theses/134>

**Conference Participation:**

1. **Kourtney Weaver,** John Hunter, Wendy Schluchter, The Effects of Fusion Tags on MpeW Protein Solubility. *National Conference for Undergraduate Research –* Kennesaw, Georgia, April 2019

**Research Symposiums:**

Poster Presentation:Role of Lymph from Alcohol-Treated Animals on Naïve Perilymphatic Adipose Tissue Immunomodulation, *LSUHSC Virtual Medical Student Research Day 2021*

Poster Presentation:Early Antibody Responses to SARS CoV-2 Infection in Non-Human Primates*, LSUHSC Virtual Medical Student Research Day 2020*

Poster Presentation:Investigation of the Amino Acids Responsible for Isomerase Activity in the Bilin Lyase MpeW from *Synechococcus* sp. A15-62 (3rd Place Award), *Innovate UNO 2019*

Poster Presentation: The Effects of Fusion Tags on MpeW Protein Solubility (3rd Place Award), *Innovate UNO 2018*

**Teaching Experience:**

**2018-2019 Undergraduate Teaching Assistant for Biology I & II laboratories** gave lectures on molecular biology techniques and vertebrate anatomy to complement dissection lab. Held weekly tutoring hours for students.

**Community Service:**

**Spring 2021 COVID Vaccination Clinic volunteer at LSU Health Science Center School of Medicine;** assisted in vaccine administration and documentation into electronic medical records.