

Eve Cook

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Education

Bachelor of Science in Microbiology and Cell Sciences
Minor in Pathogenesis and Spanish
University of Florida, Gainesville, FL
GPA: 3.72

Expected Graduation May 2026

North Oldham High School
Oldham County, KY
GPA: 4.00

Graduated May 2022

Employment Experience

Lab Processor Paid Internship at Norton Hospital
Louisville, KY

August 2021 - May 2022

- Histology Lab CPA Facility, 12 hours per week
- Obtained shadowing experience with lab technicians and pathologists
- Trained on lab processing techniques
- Organized patient sample biopsy slides and wax tissue blocks
- Assisted in processing patient biopsy samples in lab through BOND machines

Research Experience

Research Volunteer Assistant with the Gumz Lab
Gainesville, Florida

June 2024-Current

- Perform PCRs and Gel Electrophoresis for analysis of samples
- Shadow various laboratory processes including RNA isolation, q-PCR, and cell culturing
- Develop project investigating Four Core Genotype Model on Pcsk9 expression according to rhythmic sex differences in female and male mice kidneys
- Perform Western Blots to analyze protein expression

University Scholars Program

May 2025-Current

- Participate in University of Florida Undergraduate Research Program to coordinate sex differences project in Gumz Lab
- Progress project to produce poster presentation and research paper in Spring 2026

Teaching Experience

Undergraduate Teaching Assistant Microbiology Lab

August 2025-Current

- Teaching Assistant for Microbiology Lab (MCB3023L) for Microbiology and Cell Science Majors
- Assistant in teaching and grading students
- Advise students on class labs and work

University Association Involvement

Service Director of Undergraduate American Medical Women's Association Fall 2024 - Current

- Plan and facilitate various service events to engage with community organizations throughout Gainesville
- Coordinate tutoring program with Girls Can Do It Too with a local afterschool program and zoom tutoring with GCDIT members
- Assist in facilitation of mentorship program with UF uAMWA members and GCDIT members

Volunteering Experience

HCA North Florida Regional Hospital Volunteering Summer 2023 – Spring 2024 Spring 2025-Current

- Organized and cleaned nourishment, linen, and equipment rooms
- Restocked linen cabinets throughout North Surgical Floor
- Assisted nurses by retrieving nourishment items and aid in patient support
- Performed rounds to patient rooms and fulfilled patients' requests
- Initiated patient engagement and walks throughout the floor
- Using Art Cart, facilitated arts and crafts for patients

University of Florida Hitchcock Field and Fork Food Pantry Summer 2023 – Summer 2024 Spring 2025-Current

- Restocked shelves and organized food products
- Sorted fresh produce from Field and Fork Farm as well as perishable donations
- Delivered donation boxes across campus
- Collaborated with team members and guided other volunteers with any questions or activities that needed assistance

Florida Museum Department of Vertebrae Paleontology Spring 2024-Current

- Identify micro-fossil and matrix fossil samples using a microscopic camera
- Organize micro-fossils based on species and bone type

Skills

Laboratory Instrument Exposure and Use

- Micro Pipetting, Microscope Usage, Incubators, Centrifuge

Laboratory Techniques

- Gel Electrophoresis, Light Microscopy, PCR, Staining Techniques , Western Blots, BCA, RT-qPCR

Intermediate Proficiency Level in Spanish