

# 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**

**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 Vertebræ 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**