

# LARRY LABMAN

Rock Hill, SC | (803) 323-2141 | labman1@winthrop.edu

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## EDUCATION:

### Bachelor of Science in Biology, Pre-Medical (Allopathic, M.D.) Program

Expected May 2025

Winthrop University Honors Program, Rock Hill, SC

GPA: 3.8

- Minor: Chemistry
- Honors and Awards: President's List (4 semesters), Dean's List, Eagle STEM Scholar

## TECHNICAL SKILLS:

- Familiar with laboratory setting and safety protocols
- Capable of analyzing test results and communicating data through technical writing and oral presentations
- Experienced with creating PCR primers and allele-specific PCR
- Skilled in DNA and RNA extraction techniques
- Proficient with inoculating and identifying bacterial strains
- Worked with CRISPR/Cas9 system
- Knowledge of instrumentation including Infrared, Nuclear Magnetic Resonance, Atomic Absorption, UV/V Spectrometers

## RELEVANT EXPERIENCE:

### Genetics Research Assistant: Meiotic Recombination on Drosophila Chromosome 4

August 2023 – Present

Winthrop University Department of Biology, Rock Hill, SC

- Assayed effects of egg1473 mutation on meiotic recombination rates
- Extracted and purified DNA from Drosophila
- Created protocols for allele-specific PCRs
- Performed gel electrophoresis and subsequent analysis
- Dissected Drosophila ovaries for RNA purification
- Prepared written report summarizing experimental data
- Presented research orally to Winthrop University Biology Department Seminar Series (April 2016) and Showcase of Undergraduate Research and Creative Endeavors conference (April 2016)
- Conducted poster presentations at SC IDEa Networks of Biomedical Research Excellence Symposium (August 2018)

### Chemistry Tutor

August 2023 – May 2024

Winthrop University Academic Success Center, Rock Hill, SC

- Tutored 8 students weekly for general chemistry courses (CHEM 104/105)
- Assisted each student with their learning based on their specific needs for the course
- Attended leadership classes for tutoring preparation/training

## PUBLICATIONS:

Smith A, Doe J, Stewarts M, Hartmann MA, Labman L, Hawkins S. 2024. Bloom Syndrome Helicase Promotes Meiotic Crossover Patterning and Homolog Disjunction. *Current Biology*. 24(1):90-100

## LEADERSHIP AND COMMUNITY INVOLVEMENT:

**Vice President of Administrative Affairs**, Interfraternity Council

August 2023 – Present

**Student Affiliate**, American Chemical Society (ACS)

January 2017 – Present

**Secretary**, Order of Omega Honor Society

January 2023 – May 2024

**Vice President, Scholarship Chairman**, Sigma Alpha Epsilon Fraternity

August 2022 – May 2023

- Fundraised over \$2,000 for Children's Miracle Network, ΣAE Helping Hands, and Adopt a Family

**Liaison**, Alpha Psi Omega Theatre Honor Society

April 2022 – April 2023