



## LARRY LABMAN

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

### EDUCATION:

#### Bachelor of Science in Biology, Minor in Chemistry

Winthrop University Honors College, Rock Hill, SC

Expected May 2025

GPA: 3.8

- Honors and Awards: President's List (4 semesters)

### 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

### 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)

#### Microbiology Lab Assistant/Teacher's Aide

August 2023 – May 2024

Winthrop University Department of Biology, Rock Hill, SC

- Prepared agar, inoculated organisms, and performed genetic transductions and transfections
- Answered students' questions about lab techniques and proper write-up procedure

### 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 – May 2024

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