

Merina Guiste

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PROFILE SUMMARY

Strategically oriented biology expert with experience in Molecular Biology, Biochemistry, Immunology, General Biology, Microbiology, Organic Chemistry, and Physiology. Detail-oriented with hands-on experience in lab techniques, including cell culturing and sample processing. Proficient in PCR, Gel Electrophoresis, Western Blotting, and media preparation. Demonstrates a strong ability to translate theoretical knowledge into practical applications.

EDUCATION

Master of Science in Biology

Midwestern State University- Wichita Falls, TX

Cumulative GPA: 3.719

Relevant Coursework: Molecular Biology, Physiology, Immunology, Electron Microscopy, Cell Biology, Ecology, Mammalogy, Microbiology, Biochemistry, Thesis

Bachelor of Science in Biology, Chemistry minor

Midwestern State University- Wichita Falls, TX

Cumulative GPA: 3.645

Relevant Coursework: Biochemistry 1& 2, Organic Chemistry 1&2, Physiology, Calculus, Life Science, Genetics, Developmental Biology, Histology, Microbiology, Mammalogy, Physiology

SKILLS

- | | | | |
|----------------------|-----------------------------------|---------------------|----------------------------|
| ● Problem-solving | ● Gel Electrophoresis | ● PCR | ● Growth media preparation |
| ● Critical Thinking | ● Western blot | ● DNA extraction | ● Reagent preparation |
| ● Data Visualization | ● Microscopy (including electron) | ● DNA insertions | ● Aseptic techniques |
| ● GC/GC-MS | ● Scientific writing | ● Mass spectrometry | ● Cell culturing |
| | | | ● NMR |

PROFESSIONAL EXPERIENCE

Midwestern State University, Wichita Falls, TX

Graduate Teaching Assistant

- Prepared laboratory equipment, materials, and reagents for experiments in various labs.
- Ensured proper maintenance and cleanliness of laboratory facilities.
- Troubleshooted laboratory equipment and maintained it to current standards.
- Prepared reagents, growth media, and cell cultures for various lab sections.
- Taught lab sections for Anatomy & Physiology, Life Science etc.
- Taught undergrad lecture courses including A&P, Biochemistry, General Biology etc.

Midwestern State University, Wichita Falls, TX

Anatomy & Physiology, Organic Chemistry, Biochemistry, Microbiology Tutor

- Utilized a range of academic best practices, including research methodologies, writing tactics, and study strategies, to optimize student learning outcomes and foster their academic success.
- Provided exceptional academic support to an average of 60 students per semester, offering personalized guidance and mentorship to help them grasp complex concepts and solve challenging problems.
- Acted as a proactive liaison between professors and students, effectively communicating assignment details, deadlines, and expectations.

ACTIVITIES AND HONORS

Tau Sigma Honor Society

Cum Laude Honors, Undergrad

Cum Laude Honors, Graduate

September 2019- May 2024

May 2021

May 2024

References

Dr. Michael Shipley

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