

# Ariya Palmer

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## SUMMARY

Dedicated Biologist with over a year of experience in laboratory environments, specializing in cellular and biochemical techniques. Demonstrated expertise in conducting experiments, analyzing data, and maintaining precise records in adherence to established protocols. Proficient in collaborating with teams to troubleshoot complex issues. Passionate about utilizing scientific knowledge to support innovative research initiatives and successfully deliver results that advance therapeutic discoveries. Committed to fostering effective communication and teamwork, ensuring all project objectives are met within timelines, while embracing ongoing learning opportunities.

## EXPERIENCE

### Biological Research Assistant

June 2025 - Present

University Research Lab

Muncie, IN

Support high-level biological research activities through rigorous testing and analysis in a collaborative environment. This role centers on executing cell-based assays and ensuring data accuracy for novel therapeutic developments.

- Conduct independent cell culture experiments while adhering to aseptic lab protocols and maintaining cell line integrity.
- Validate biochemical assays for drug testing utilizing advanced tools such as Tecan liquid handler and Echo acoustic instrumentation.
- Analyze complex experimental data using GraphPad Prism and Excel, generating detailed reports reflecting findings for team consensus.
- Collaborate effectively with multidisciplinary teams to troubleshoot technical challenges and refine existing methodologies.
- Maintain meticulous records aligned with safety guidelines, ensuring compliance with institutional policies.
- Assist in onboarding new lab personnel by instructing them on standard operating procedures and optimal lab practices.

### Capstone Project Developer

January 2025 - May 2025

Academic Research Project

Remote

Developed an academically rigorous project aiming to analyze receptor pharmacology through various biochemical assays, emphasizing a scholarly approach towards research validation.

- Designed and executed a comprehensive evaluation of receptor pharmacology, resulting in a detailed research report presented at the annual student symposium.
- Applied relevant molecular biology techniques to examine cellular responses including cAMP production and phosphorylation assays, fostering a hands-on understanding of experimental outcomes.
- Employed statistical software for thorough data analysis, enhancing the quality and reliability of experimental conclusions drawn.
- Facilitated peer collaboration to improve project methodologies, integrating feedback into refined experimental designs.
- Documented all research processes meticulously, ensuring adherence to academic standards throughout all phases.
- Presented key findings articulately at university events, earning commendations from both faculty and class peers for clarity and depth of analysis.

## LEADERSHIP & AWARDS

- Excellence in Research Award, Ball State University, May 2025
- Outstanding Presentation Recognition, University Symposium, April 2025

## EDUCATION

### Bachelor's Degree in Biology

2025

Ball State University GPA: 3.7

Muncie, IN

**Coursework:** Cell Biology, Molecular Biology, Biochemistry, Genetics

## CERTIFICATIONS

- Certified Lab Technician 📅 2025
- Good Laboratory Practices Certification 📅 2025

## TECHNICAL SKILLS

- **Laboratory Techniques:** Cell Culture, Aseptic Technique, Biochemical Assays
- **Data Visualization Tools:** Excel, GraphPad Prism, PowerPoint
- **Research Methodologies:** Receptor Pharmacology, Cell Signaling, Experimental Design
- **Automation Instruments:** Tecan Liquid Handler, Echo Acoustic, Multidrop Reagent Dispenser
- **Reports and Summaries:** Technical Writing, Oral Presentations, Documentation
- **Collaboration Tools:** Microsoft Teams, SharePoint

- **Quality Assurance Practices:** Record Keeping, Compliance, Safety Guidelines
- **Problem-Solving Approaches:** Critical Thinking, Experiment Troubleshooting, Protocol Optimization
- **Laboratory Safety Standards:** Chemical Hygiene, Client Policies, Risk Assessment
- **Inventory Control:** Stock Management, Consumables Tracking, Order Coordination

**SKILLS**

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|----------------------|----------------------------|-------------------------|------------------------|
| • Cell Culture       | • GraphPad Prism           | • Statistical Software  | • Instrumentation      |
| • Biochemical Assays | • Team Collaboration       | • Experimental Design   | • Inventory Management |
| • Data Analysis      | • Aseptic Technique        | • Project Management    | • Documentation        |
| • Excel              | • Scientific Communication | • Laboratory Techniques | • Troubleshooting      |

**PROFESSIONAL AFFILIATIONS**

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- Member, American Society for Biochemistry and Molecular Biology
- Volunteer, Local Community Health Initiatives

**LANGUAGES**

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- English (Native)
- Spanish (Intermediate)

**ADDITIONAL INFORMATION**

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**Work Status** : Authorized to work in United States. No sponsorship required.

**REFERENCES**

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AVAILABLE ON REQUEST