



Ariya Palmer

Biologist II

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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

University Research Lab 📅 June 2025 - Present 📍 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

Academic Research Project 📅 January 2025 - May 2025 📍 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

STRENGTHS

👥 Team Collaboration

Successfully worked alongside cross-functional teams, improving project outcomes through shared insights and adaptive strategies.

📊 Data Analysis Expertise

Gained recognition for expertly analyzing experimental results, significantly contributing to informed decision-making.

💡 Independent Problem Solver

Proactively addressed experimental challenges, often becoming a go-to resource for troubleshooting within the team.

💬 Effective Communication

Consistently provided clear and concise updates about project status, fostering transparent dialogue among all stakeholders.

✅ Organizational Skills

Streamlined workflow processes to improve efficiency in recording and tracking experimental data, enhancing lab productivity.

SKILLS

Cell Culture Biochemical Assays

Data Analysis Excel

GraphPad Prism

Team Collaboration

Aseptic Technique

Scientific Communication

Statistical Software

Experimental Design

Project Management

Laboratory Techniques

Instrumentation

Inventory Management

Documentation Troubleshooting

LANGUAGES

English Native

Spanish Intermediate

MY CAREER



● Biological Research
Assistant at University Research
Lab (1.2 Years)

● Capstone Project Developer
at Academic Research Project (4
Months)

EDUCATION

Bachelor's Degree in Biology

Ball State University 🎓 GPA: 3.7 📅 2025 📍 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

PROFESSIONAL AFFILIATIONS

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

ADDITIONAL INFORMATION

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

REFERENCES

AVAILABLE ON REQUEST