

Arielle King

Biochemistry Research Associate

PROFILE

Recent college graduate with a degree in Biochemistry and Cell Biology looking for an entry level position in a biochemical laboratory. A self-starter with extensive experience in a lab environment using a variety of molecular techniques who works well independently and within a group.

CONTACT

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LinkedIn:

<https://www.linkedin.com/in/arielle-king-3050865b/>

CERTIFICATIONS

University of Missouri Extension:

Cattle Artificial Insemination School

Skills

Lab Experiences:

CRISPR-Cas9 techniques
Analysis of DNA/RNA samples
Genomic DNA extraction, mapping and analysis
Gene sequencing
Sphygmomanometry
Cardiac Auscultation
Tissue sample preparation, dilution and solutions, differential centrifugation, growing and harvesting cells
Light, electron and fluorescent microscopy

Lab Protocols:

QIAprep Alkaline lysis plasmid purification
Agarose gel electrophoreses and analysis
Dilutions and absorbance in spectrophotometer
Ligation of Oligos and digested PML104
Plasmid Digests
PCR/qPCR methods
Blood smears
Dissections and sutures

EDUCATION

University of California San Diego

Sept 2018 – Sept 2021

Major: Biochemistry and Cell Biology

Relevant Coursework: Animal Physiology Lab, Healthy and Diseased Brain, Recombinant DNA Techniques, Metabolic Biochemistry, Structural Biochemistry, Microbial Life in Extreme Environments

Moorpark Community College

January – August 2018

Major: Associates of Art: Natural Science & Exotic Animal Training and Management (EATM)

SKILLS

Lab Experiences:

- CRISPR-Cas9 techniques
- Analysis of DNA/RNA samples
- Genomic DNA extraction, mapping and analysis
- Gene sequencing
- Sphygmomanometry
- Cardiac Auscultation
- Tissue sample preparation, dilution and solutions, differential centrifugation and growing and harvesting cells
- Light, electron and fluorescent microscopy

Lab protocols

- QIAprep Alkaline lysis plasmid purification
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- Dilutions and absorbance in spectrophotometer
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- Plasmid Digests
- PCR / qPCR methods
- Blood smears
- Dissections and sutures

General

- Strong computer, scientific, data analysis and organizational skills
- Excellent oral and written communication skills
- Proficient in Microsoft Office, PDF and Google Workplace

PROJECTS

Animal Physiology Lab/Human Physiology Lab

Experimental animals and human demonstrations are used to study membrane physiology, nerve and muscle function, hormone action, cardiovascular physiology, and renal function.

Recombinant DNA Techniques and CRISPR-Cas9 Lab

Theory and practice of recombinant DNA and molecular biology techniques. Includes CRISPR-Cas9 editing, DNA sequencing, PCR, and basic bioinformatics.

WORK EXPERIENCE

Best friends Mission Hills Humane Society and San Diego Humane Society – Animal Handler

June 2016 - Present

Fostered numerous dogs and cats to provide caring environment which allowed the animals to become well-adjusted and adoptable.

Rover/Wag! - Animal Caretaker

2014 - present

Taking care of special needs animals – animals in hospice care, I have experience with medications like injectables (insulin), subcutaneous fluids, oral, topical and many more medications.