

FIONA GITHAIGA
Research Scientist

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<https://github.com/FionaG26>

EXPERIENCE

Reviewer

American Journal of Case Reports

07/2024 - 07/2024 NY, USA

Student Researcher

Central veterinary laboratories

10/2019 - 04/2022 Kabete, Nairobi

- Proficient in handling and caring for BALB/c mice in a laboratory setting.
- Knowledgeable about ethical guidelines and regulations for conducting animal research.
- Proficient in using software like SPSS or R for data analysis.
- Skilled in using microscopy to observe cellular and tissue changes.
- Proficient in preparing and analyzing tissue samples for histological studies.
- Experienced in writing detailed lab reports and documenting experimental procedures.

Lab technician

Jingi vet clinic

01/2015 - 12/2023 Nyali, Mombasa

- Planned and executed scientific experiments in bacteriology, tissue culture, and serology
- Administered medications and treatments to pets as directed by the veterinarian
- Monitored the condition of animals post-surgery and during hospitalization
- Performed laboratory tests, including blood work, urinalysis, and diagnostic imaging
- Maintained the cleanliness and sterility of equipment and treatment areas
- Educated pet owners on medication administration and post-surgical care

Lab Assistant

Ministry of Agriculture, Animal Industry and Fisheries

03/2016 - 08/2016 Kabete, Nairobi

- Designed and validated recombinant antibodies using standard biotechnological techniques
- Conducted qPCR and real-time PCR assays for protein therapeutics development
- Performed Western Blot analysis for reagent and sample characterization
- Proficient in SPSS for complex data analysis
- Participated in minor surgical operations and animal treatment

EDUCATION

Masters of Science Biotechnology

Kenyatta University

09/2017 - 07/2024 Nairobi

- Graduated with a GPA of 67.92 (on a 100-point scale)
- I gained experience in clinical research within the field of rheumatology.

Bachelors of Science Molecular & Cellular Biology

Kenyatta University

09/2013 - 08/2017 Nairobi

- Graduated Second Upper Division- GPA 63.75 (on a 100-point scale)
- Minored in Genetic Engineering

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Nairobi, Kenya

TRAINING / COURSES

Certificate in Software Engineering- Back-end Specialization

ALX Africa

Statistical Package for Social Sciences

Fin stock Consulting Limited

LANGUAGES

English

Native



Swahili

Native



SKILLS

PCR (Polymerase Chain Reaction)

Gel Electrophoresis

CRISPR/ Cas9

Data Analysis

Database Management

Mammalian Cell Culture

Stem Cell Culture

Protein Purification

Western Blotting

Fluorescence Microscopy

Project Planning

Grant Writing

Safety Compliance

PUBLICATION

In vivo ameliorative effects of Vitamin E against hydralazine induced lupus

11/2023 London
<https://doi.org/10.1136/lupus-2023-001033>