

CURRICULUM VITAE

Prophet Ingosi Mulega (DMLS, BMLS, MSc)



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MARIAKANI

Key Achievements

- Developed the Pwani University Laboratory Waste disposal and Management policy
- Initiated the use of Standard Operating Procedures (SOPs) at Tudor District Hospital Laboratory
- Won an MSc studentship through IDEAL fellowship at KEMRI/Wellcome Trust Research Program, Kilifi
- Awarded Pwani University Annual Research grant; 272, 360/=
- Part of ISO Steering committee that enabled Pwani University acquire ISO certification; ISO 9001:2015
- Appointed to co-ordinate exhibitions in the Medical science Department of Technical University of Mombasa section for Mombasa ASK show and public service week
- Successfully run a local football club; Samba boys FC, Kilifi (under 15, women's team and the main team)
- Chairman to Ushindi Youth group comprising of young men 23-35 years at Mibirikani, Sokoni ward in Kilifi county
- Part of the Family fun day organization committee at Kemri-Wellcome Trust Research Program, Kilifi

Key Skills & competencies

- Biological sample collection and handling
- QC/QA management in Science laboratories
- Molecular biology laboratory techniques
- Patient counseling
- Analytical, planning and organization of a model hospital laboratory
- Computer applications skills i.e. MS excel, MS word, Data analysis RStudio™ and Stata 12 software, MS power point, customized database
- Good communicator with excellent public speaking skills
- Patient laboratory results review and interpretation
- Football club manager

Work Experience

January 2015 to date : Pwani University, Department of Biochemistry & Biotechnology; Senior Laboratory Technician

- Conducting and demonstrations of scientific practicals to university students
- Close guidance and supervision to students in their laboratory based research work
- Providing technical assistance to senior researchers
- Management of the university's science laboratories
- DNA extraction from human samples, mosquitoes
- ELISA and other immunological assay
- Updating and maintenance of chemical and equipment inventory
- Maintenance and calibration of laboratory instruments
- Purchasing of laboratory materials and maintenance of stock
- In charge of Quality Management Systems in the University laboratories
- Supervision of science laboratory technicians and other junior staff

October 2011 to January 2015: KEMRI-Wellcome Trust Research Program; Laboratory Technologist

- Human and bacterial DNA extraction
- Hemoglobin electrophoresis by HPLC
- Agarose gel electrophoresis
- Genotyping samples for sickle cell, thalassemia, haptoglobin and CR1
- Running ELISA on patient samples
- Perform PCR to all DNA sample
- Separation of PBMCs
- Performing quality control and external quality assessment

- General microscopy care and use of florescent microscope
- Updating the human genetic studies database using file maker and spreadsheet document
- Updating the material safety data sheet (MSDS) for new chemicals introduced in the laboratory

August to September 2014: Ministry of Health; Medical Laboratory Technologist

- Part of the technical team in a National Malaria survey in Kilifi county, Kenya

May 2013 to August 2014: Technical University of Mombasa; Part-Time Lecturer

- Teaching Clinical chemistry – Diploma in Medical Laboratory Sciences

December 2009 to October 2011: Tudor District Hospital; Medical Laboratory Technologist

- Sample collection, separation, processing and analysis i.e. whole blood and its products, stool, urine, CSF, ascitic fluid, serum, plasma and semen
- Machine calibration in hematology
- Separation and treatment of laboratory waste
- Preparation of culture media and culturing of microbes
- Preparation, staining and examination of sputum to screen TB infection
- Packing of sputum samples for culture
- Recording and archiving patient laboratory results
- Laboratory analysis of HIV suspected blood samples
- Safe transportation of samples for CD4 testing and organization of results.
- Writing and review of standard operating procedures (SOPs)

January 2008 to August 2008: Kakamega Provincial General Hospital; Medical Laboratory Trainee on Attachment

- Sample reception, recording and collection
- Sample analysis in chemistry, hematology, microbiology and parasitology labs by the standard operation procedures
- Media preparation
- Performing various staining techniques

- CD4 counting technique
- Urine filtration and Kato Katz technique of examining parasite in urine and stool respectively
- Sputum processing and analysis for chest infections
- Conducting blood campaign programs in different schools under supervision of senior health workers

Trainings, Workshop & Conferences

- Completed a certificate course on by NIH Web based Training course on Protection Human Research Participants
- Attended and participated in Advanced Molecular Diagnostic techniques training in Pwani University
- Attended and participated Golden Gate Cloning training course at PUBReC labs at Pwani university
- Attended and participated a course on Bio-risk at Kemri-wellcome Trust Research Program, Kilifi
- Attended and participated a course on Good Clinical Laboratory Practice (GCLP) at Kemri - Wellcome Trust, Kilifi
- Attended and participated Quality control training program at Kemri - Wellcome Trust Research Program, Kilifi
- Attended and participated in Integrated Disease Surveillance Response at Kohinoor hotel, Mombasa
- Attended and participated in Malaria Case Management Training at Hotel Geogias, Mtwapa Danpark hotel, Mtwapa
- Attended and participated in AAFB refresher course at Hotel Geogias, Mtwapa
- Completed a certificate course on HIV/AIDS management

Academic & Professional Qualifications

- **2014 - 2017:** Pwani University (MSc in Microbiology)
- **2010 – 2012:** Mount Kenya University (BSc in Medical Laboratory Sciences)
- **Jan 2010:** Registration by Kenya Medical Laboratory Technologist and Technicians Board (Registration No.A04134)
- **2006 – 2009:** Technical University of Mombasa (Diploma in Medical Laboratory Sciences)
- **1999 - 2002:** Upper Hill School
- **1994 - 1998:** Mariakani Garrison Primary School
- **1991 - 1993:** Mariakani C.C. Primary School

Hobbies & Interests

- Playing and watching football (Matters Football)
- Nurturing of young football talents
- Visiting friends
- Team building

Referees

Dr. James Tuju,
Lecturer, Pwani University,
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