

Mr. FIDELIS A. MAMBO



Job Title & Responsibilities

Assistant Lecturer & Coordinator, Clinicals
Department of Medical Laboratory Sciences
School of Biomedical Sciences & Technology.

Responsibilities: Teach and train students in the field of medical laboratory sciences, biology and health sciences at Masinde Muliro University, specifically in the Medical Laboratory Science department.

About Me

I have experience in molecular diagnostics, medical laboratory diagnosis and research techniques, capacity building and mentorship for up-coming laboratory professionals. I have experience in clinical research work within various research and hospital departments (malaria, trichomoniasis, mycoplasmosis, TB and HIV – research). For a period of less than one year in 2012, I led and prepared as the quality manager a laboratory in Western Kenya testing a large number of HIV treatment clients, to realize accreditation under ISO 15189:2007 (Medical Laboratories – particular requirements for quality and competence) by KENAS. I am a meticulous quality management system advisor, good clinical laboratory practice enforcer, healthcare/research and patient safety practices enforcer. Skilled in laboratory techniques, biochemical analysis, quality control and quality assurance, system and process improvement, separation techniques, statistical quality control, clinical laboratory sciences including parasitology, immunology, molecular biology, clinical chemistry, blood transfusion science and serology and with a lot of expertise and experience in these fields.

Qualifications

- PhD (Parasitology) (c), University of Eldoret.
- MPhil (Parasitology) 2009, Moi University.
- Bachelor of Science 2000, Moi University
- Higher Diploma in Medical Laboratory Science – Virology 1992, Kenya Medical Training College, Nairobi.
- Diploma in Medical Laboratory Technology 1988, College of Health Professions, Nairobi

Professional Memberships and Activities

- Member of the Association of Kenya Medical Scientific Officers (AKMLSO).
- Registered by the Kenya Medical Laboratory Technicians & Technologists Board (KMLTTB).
- Member of the African Biological Safety Association (AfBSA).

Expertise

- Medical Parasitology
- Medical Virology
- Laboratory Diagnosis and Research
- Laboratory Quality Management Systems
- Quality System and Safety Management Standards (CLSI, GCLP, ISO 15189, ISO 15190)

Enterprise and Commercial Activities

N/A

Research Interests

Protozoa biomarkers, protozoa molecular gene genotypes and characterization, RDTs to protozoa infections, HIV strain dynamics and diversity, Laboratory quality and safety management systems, Bacteria and HIV association.

Selected Publications

Book publication 2014

- **Mambo F.A**, Sowayi G.A, and Ngeiywa M.M. **2014**. *Trichomonas vaginalis* PCR & socio-economic factors. **Number: 105386, ISBN: 978-3-659-55673-9**. LAP (LAMBERT ACADEMIC PUBLISHING) GmbH and Co. KG Heinrich-Bocking-Str. 6-8 66121, Saarbrücken, Germany. **Publication date: 18th July 2014**.

Journal publications

- Rami Kantor, Allison D, Diero L, Buziba N, **Mambo F** et.al. 2014. HIV diversity and drug resistance from plasma and non-plasma analytes in a large treatment programme

- in Western Kenya. **Journal of the International AIDS Society (JIAS)**.
<http://www.jiasociety.org/index.php/jias/article/view/19262>.
- Phidelis M Marabi, Mulianga EA, Wambani LN, Wafula MN, **Mambo FA** et.al. **2013**. Creating a sustainable culture of quality through the SLMTA programme in a district hospital laboratory in Kenya. <http://www.ajlmonline.org>
doi:10.4102/ajlm.v3i2.201
 - Rami Kantor, Diero L, DeLong A, Buziba NG, **Mambo FA**, et.al. **2013**. Antiretroviral Treatment Interruptions Induced by the Kenyan Post-Election Crisis are Associated with Virologic Failure- QAIB4266R1. **Journal of Acquired Immune Deficiency Syndrome - Epidemiology, 49:454-62**
 - Sue N. Mavedzenge, Barbara VDP, Helen AW, Cynthia K, **Mambo F**, Tsungai C et. al. **2012**. The association between Mycoplasma genitalium and HIV-1 acquisition in African women. **AIDS June 2012, 26:617-624. ISSN 0269-9370.**
 - Arthur M Kwena, J. Wakhisi and **F. Mambo**. **2012**. Possible Biochemical Markers in *Plasmodium falciparum* Malaria Infected Children with or without Malnutrition at Webuye and Eldoret, Western Kenya. **Advances in Bioresearch, Volume 3 [2] June 2012: 49 – 54. ISSN 0976 – 4585**
 - **Mambo F.A.** & Rita Drobner. **2008**. Whole Blood versus Dried Blood Spots (DBS) – A local evaluation for changing HIV DNA testing for Infant diagnosis In Western Kenya. **Biomedical Scientist Vol. 52 No. 10. (October Issue), Pp: 862-864.**

Current Teaching

Undergraduate

- Medical Parasitology (Protozoa and Helminths; including Immunology of Parasitic Infections)
- Blood Transfusion Science
- Laboratory Practice and Management
- Introduction to Clinical Laboratory Diagnosis

Contact Details

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