

## Academic Staff Profile

### Personal Profile

<p><b>Name:</b> Liza Kiende Mwirigi</p> <p><b>Title/Qualification:</b> M.Sc. Infectious Diseases and B.SC. MLS</p> <p><b>Department:</b> Medical Laboratory Science</p> <p><b>Designation/Position:</b> Tutorial Fellow</p> <p><b>Email:</b> <a href="mailto:mwirigi.liza@ku.ac.ke">mwirigi.liza@ku.ac.ke</a></p> <p><b>Contact Address:</b> 423 - 00618</p> <p><b>Area of Specialization:</b> Immunology and Parasitology</p> <p><b>Research Interests:</b> Immuno-molecular techniques in Cancer and Infectious disease diagnostics</p>	
---	---

### Academic & Professional Qualifications

Date	Institution	Course
February 2020 – To date	Kenyatta University	Ph.D in Medical Laboratory Sciences (Clinical Parasitology)
Sep 2012 – Dec 2015	Kenyatta University	M.Sc. in Infectious Disease (Immunology)
Sep 2008 – August 2012	Kenyatta University	Bachelor of Science in Medical Laboratory Sciences
Jan 2004 – Nov 2007	Kyeni Girls High School	Kenya Certificate of Secondary Education Mean Grade B 'plain'
Jan 1996 – Dec 2003	Meru Junior School	Kenya Certificate of Primary Education (394/500 Marks)

### Employment History

February 2020 – To date	<p><b>Kenyatta University, Department of Medical Laboratory (Tutorial Fellow)</b></p> <ul style="list-style-type: none"><li>➤ Teaching and examining students doing B.Sc. in Medical Laboratory Science (Immunology, Medical Entomology, Medical Helminthology, Epidemiology, Basic Life Support and Emergency Care)</li></ul>
-------------------------	--

<p>April 2017- February 2020</p>	<ul style="list-style-type: none"> <li>➤ Coordinating practical sessions in the teaching laboratories</li> </ul> <p><b>Medicare Officer - Kenya Power Staff Medical Scheme Management</b></p> <ul style="list-style-type: none"> <li>➤ Provide professional advice on all matter regarding the medical laboratory field to all the medical scheme dependents.</li> <li>➤ Cost containment by ensuring that the scheme runs within the planned budget.</li> <li>➤ Plan and conduct disease preventive healthcare programs for staff countrywide.</li> <li>➤ Vetting of all hospital invoices before they are paid.</li> <li>➤ Facilitate Alcoholic/Narcotic Anonymous meetings.</li> <li>➤ Facilitate the rehabilitation of staff who are dependent on alcohol and narcotics.</li> <li>➤ Preauthorization and negotiations of rates for various medical services.</li> <li>➤ Facilitate the Occupational Safety and Examinations for all staff countrywide.</li> <li>➤ HIV/AIDS prevention sensitizations for staff dependents countrywide.</li> <li>➤ Ensure proper utilization of all available NHIF rebates</li> </ul>
<p>January 2014 – March 2017</p>	<p><b>Medical Laboratory Scientist at Hercules Healthcare</b></p> <ul style="list-style-type: none"> <li>➤ Performed routine, advanced and confirmatory laboratory analyses to provide data for diagnosis, treatment and prevention of diseases.</li> <li>➤ Stringently following and reviewing laboratory protocols, standard operation procedures , safety policies and sanitations standards</li> <li>➤ Performed laboratory machines and equipment tests by following operating instruction, troubleshooting breakdowns and calling for repairs for quality control purposes.</li> <li>➤ Ensured proper handling, storage, management and disposal of laboratory samples and reagents.</li> <li>➤ Ensured that the laboratory environment is clean and conducive.</li> </ul>
<p>October 2013 – Dec 2013</p>	<p><b>Volunteer at MP Shah Hospital Laboratory: Oct 2013 to Dec 2013</b></p> <ul style="list-style-type: none"> <li>➤ Receiving and processing samples in Clinical chemistry, immunology, media &amp; sanitation, histology &amp; cytology, microbiology &amp; TB lab, hematology &amp; blood transfusion and phlebotomy.</li> </ul>
<p>May 2012-August 2012</p>	<p><b>Volunteer at University of Nairobi, College of Health Sciences- Immunology</b></p> <ul style="list-style-type: none"> <li>➤ Immuno-molecular techniques</li> </ul>

<p>April 2015 – August 2015</p>	<p><b>CLINICAL ROTATIONS DURING TRAINING</b>  <b>Nairobi Hospital (B.Sc. MLS Hospital Attachment)</b></p> <ul style="list-style-type: none"> <li>➤ Performed routine, advanced and confirmatory laboratory analyses to provide data for diagnosis, treatment and prevention of diseases.</li> <li>➤ Stringently following and reviewing laboratory protocols, standard operation procedures , safety policies and sanitations standards</li> <li>➤ Performed laboratory machines and equipment tests by following operating instruction, troubleshooting breakdowns and calling for repairs for quality control purposes.</li> <li>➤ Ensured proper handling, storage, management and disposal of laboratory samples and reagents.</li> <li>➤ Ensured that the laboratory environment is clean and conducive.</li> </ul>
<p>May 2014 – August 2014</p>	<p><b>MP. Shah Hospital (B.Sc. MLS Laboratory Skills level III)</b></p> <ul style="list-style-type: none"> <li>➤ Clinical diagnosis in all sections of the hospital laboratory.</li> <li>➤ Machine maintenance, troubleshooting and quality control checks.</li> <li>➤ Referring samples to external laboratories.</li> <li>➤ Preparation of culture media, culturing of specimen and reports</li> </ul>
<p>May 2013 – August 2013</p>	<p><b>Meru Level 5 Hospital (B.Sc. MLS Laboratory Skills level I &amp;II)</b></p> <ul style="list-style-type: none"> <li>➤ Phlebotomy and specimen reception.</li> <li>➤ Routine diagnosis in all sections of the laboratory</li> <li>➤ Machine maintenance, troubleshooting and quality control checks.</li> <li>➤ Performing CD4 count for samples from Comprehensive Care Clinic</li> </ul>

**Affiliation of Professional Bodies**

Registered by the Kenya Medical Laboratory Technicians & Technologists Board (K.M.L.T.T.B) at Degree level with a valid working License

**Research Grants**

2014: Awarded the National Commission for Science Technology and Innovation Research Grant (Ref No: NACOSTI/RCD/ST&I 5<sup>th</sup> CALL M.Sc/171) 1 year research grant (KSh. 200,000) to fund my reasearch.( The cytokine profile and the PSA levels in prostate cancer patients at Kenyatta National Hospital)

**Administrative Positions Held**

December, 2020 to date: Appointed Departmental E-Learning Coordinator; Department of Medical Laboratory Science.

October, 2020 to date: Appointed Secretary to the Departmental Collaboration Committee, Department of Medical Laboratory Science

October, 2020 to date: Appointed Member to the Departmental Welfare Committee, Department of Medical Laboratory Science