

WHX Labs

Nairobi

Formerly Medlab East Africa

Co-located with:

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Advancing healthcare and laboratory innovation in East Africa

22-24 October 2025

Kenyatta International
Convention Centre,
Nairobi, Kenya



Laboratory Management

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Laboratory Management Conference Day 1 | Wednesday, 22 October 2025

Theme: Sustainable management solutions in clinical laboratory diagnostics

Programme

Session 1

- 10:30 Opening remarks by the chair**
Safari Kithi, President, **Association of Kenya Medical Laboratory Scientific Officers, Nairobi, Kenya**
- 10:45 Evaluating the impact of risk assessment practices on occupational safety in medical laboratories in Kenya**
Dr Titus Mutwiri, Chairman, **Kenya Medical Laboratory Technicians & Technologists Board (KMLTTB)**, Academic Dean, **Kenya Methodist University School of Health Sciences, Nairobi, Kenya**
- 11:15 An overview of sustainable management approaches in clinical laboratories**
Annet Confidence Nabaggala, Program Officer, In-charge - Community Health Laboratory Services, **Dept of National Health Laboratory and Diagnostic Services, Ministry of Health, Kampala, Uganda**
- 11:45 Keynote – Sustainable laboratory systems: Kenya's strategic vision**
Esther Sigilai, Head, Division of National Laboratory Services, **Ministry of Health, Nairobi, Kenya**
- 12:15 Lunch and visit the exhibition**
- 13:30 Assessment of occupational safety and health standards in medical laboratories in Kenya**
Dr Titus Mutwiri, Chairman, **Kenya Medical Laboratory Technicians & Technologists Board (KMLTTB)**, Academic Dean, **Kenya Methodist University School of Health Sciences, Nairobi, Kenya**
- 14:00 Panel discussion - Green procurement: Balancing cost and sustainability in laboratory supply chains**

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Moderator: Safari Kithi, President, **Association of Kenya Medical Laboratory Scientific Officers, Nairobi, Kenya**

Panelists:

Dr Noelle Orata, Chairperson, **Kenya Association of Clinical Pathologists, Nairobi, Kenya**

Phelix Otieno, President, **Lab Medicine Society of Kenya, Nairobi, Kenya**

Annet Confidence Nabaggala, Program Officer, In-charge - Community Health Laboratory Services, **Dept of National Health Laboratory and Diagnostic Services, Ministry of Health, Kampala, Uganda**

15:00 Sponsored session - Enhanced patient safety and improved workflow efficiency

James Moore, Application Specialist, Radiometer MENA, UAE

15:30 Professional recognition of medical laboratory officers: A missing pillar in Kenya's health system

Odipo Nicholas, National Chairman, **Kenya National Union of Medical Laboratory officers (KNUMLO), Nairobi, Kenya**

16:00 Integrating AI in laboratories

Dr Shahin Sayed, Chair & Director Laboratory Medicine, Consultant Pathologist, **Aga Khan University, Nairobi, Kenya**

16:30 End of conference

Clinical Microbiology & Parasitology

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Clinical Microbiology & Parasitology Conference Day 2 | Thursday, 23 October 2025

Theme: Building Resilient Laboratory Systems for AMR Control and Disease Surveillance

Programme

10:30 Opening remarks by the chair

Yahya R Mnung'a, President, **Medical Laboratory Scientists Association of Tanzania (MeLSAT)** and **Federation for East African Medical Laboratory Scientists (FEAMLS)**, Dar Es Salaam, Tanzania

10:45 One health approaches to combating AMR

Dr Emmanuel Tanui, National Antimicrobial Resistance Focal Point, **Ministry of Health**, Nairobi, Kenya

11:15 Leveraging laboratory data for disease surveillance and policy making

Dr Marianne W Mureithi, Director, **KAVI-Institute of Clinical Research**, Chair, Dept of Medical Microbiology & Immunology, Faculty of Health Sciences, **University of Nairobi**, Nairobi, Kenya

11:45 Advancing laboratory medicine in mitigating antimicrobial resistance and other global health threats in Africa

Prof Jeremiah Seni, Professor, Microbiology & Infectious Diseases, Director of Research & Innovation, **Catholic University of Health and Allied Sciences**; AMR Surveillance Lead, **Bugando Medical Centre**, Mwanza Tanzania

12:15 Patient safety and integrated stewardship model for LMICs

Prof Gunturu Revathi, Head of Clinical Microbiology, **The Aga Khan University Hospital**, Nairobi, Kenya

12:45 Lunch and visit the exhibition

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13:45 The role of laboratory external quality assessments in improving data quality for AMR surveillance

Dr Diana Kemunto, Founder & Chief Visionary Officer, **Youth Compass Africa**, Nairobi, Kenya

14:15 Innovations in rapid diagnostic tools for communicable and non-communicable diseases

Dr Evelyn Wesangula, Senior Antimicrobial Resistance Control Specialist, **East Central and Southern Africa Health Community (ECSAHC)**, Nairobi, Kenya

14:45 Strengthening regional laboratory networks for enhanced microbiology capacity and AMR

Yahya R Mnung'a, President, **Medical Laboratory Scientists Association of Tanzania (MeLSAT)** and **Federation for East African Medical Laboratory Scientists (FEAMLS)**, Dar Es Salaam, Tanzania

15:15 Open Q&A

15:30 End of conference

Molecular Diagnostics and Genomics

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Molecular Diagnostics & Genomics Conference Day 3 | Friday, 24 October 2025

Theme: Embracing AI in molecular biotechnology for better diagnostic outcomes

Programme

Session 1

10:15 Opening remarks by the chair

James Wakungwi Sakwa, Chairperson, **County Public Service Board, Kakamega County**; PMLS Secretary General, **Administrator, Association of Kenya Medical Laboratory Assessors, Kakamega, Kenya**

10:30 Ligand-based pharmacophore modelling, virtual screening, and molecular dynamics simulations of Pfhsp90 fingerprints in plasmodium malaria treatment

Dr Patrick Okoth, Cell and Molecular Scientist and Senior Lecturer, Molecular Biology, Computational, Biology and Bioinformatics, **Masinde Muliro University of Science and Technology (MMUST), Kakamega, Kenya**

11:00 Pathogen genomics strategy in Kenya

Dr Leonard Kingwara, Ag Director, Biomedical Testing and Analytical Services, **Kenya National Public Health Institute, Ministry of Health, Nairobi, Kenya**

11:30 Inflammatory and hepatic function in hepatitis c virus infected injection substance users in Mombasa County, Kenya

Eliphalet Otunga, Senior Medical Laboratory Technologist, **Masinde Muliro University of Science and Technology, Kakamega, Kenya**

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12:00 Next-generation sequencing applications in infectious disease surveillance and outbreak Victor Ofula, Senior Research Scientist, Kenya Medical Research Institute, Nairobi, Kenya

12:30 Lunch and visit the exhibition

Session 2

14:00 AI integration in molecular diagnostics - Challenges and solutions

Dr Patrick Okoth, Cell and Molecular Scientist and Senior Lecturer, Molecular Biology, Computational, Biology and Bioinformatics, **Masinde Muliro University of Science and Technology (MMUST)**, Kakamega, Kenya

Dr Leonard Kingwara, Ag Director, Biomedical Testing and Analytical Services, Kenya National Public Health Institute, Ministry of Health, Nairobi, Kenya

Dr Allan Njau, Consultant Pathologist, Aga Khan University Hospital, Nairobi, Kenya

14:40 Next-generation sequencing applications in infectious disease surveillance and outbreak

Dr Elius Mbogori, Senior Principal Medical Laboratory Officer, **Moi Teaching and Referral Hospital**, Nairobi, Kenya

Session 3

15:00 Glycemic control and variability in hepatic, renal and cardiovascular biomarkers among type 2 diabetes mellitus patients

Dr Geoffrey Gitonga, Karatina University, Karatina, Kenya

15:30 End of conference

Our speaker line-up



Dr Titus Mutwiri

Chairman, Kenya Medical Laboratory Technicians & Technologists Board (KMLTTB), Nairobi, Kenya



Safari Kithi

President, Association of Kenya Medical Laboratory Scientific Officers, Nairobi, Kenya



Yahya R. Mnung'a

President, Medical Laboratory Scientists Association of Tanzania (MeLSAT) and Federation for East African Medical Laboratory Scientists (FEAMLS), Dar Es Salaam, Tanzania



James Wakungwi Sakwa

PMLS Secretary General, Administrator, Association of Kenya Medical Laboratory Assessors, Kakamega, Kenya



Phelix Otieno

President, Lab Medicine Society of Kenya, Nairobi, Kenya



Dr Marianne W Mureithi

Director, KAVI-Institute of Clinical Research, Chair, Dept of Medical Microbiology & Immunology, Faculty of Health Sciences, University of Nairobi, Nairobi, Kenya



Odipo Nicholas

National Chairman, Kenya National Union of Medical Laboratory officers (KNUMLO), Nairobi, Kenya



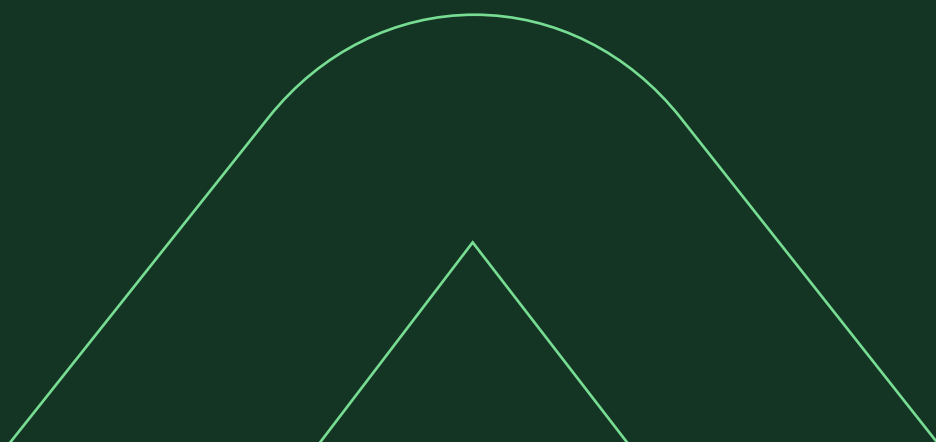
Dr Leonard Kingwara

Ag Director, Biomedical Testing and Analytical Services, Kenya National Public Health Institute, Ministry of Health, Nairobi, Kenya



Dr Shahin Sayed

Chair & Director Laboratory Medicine, Consultant Pathologist, The Aga Khan University, Nairobi, Kenya



Supporting partners



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