



THE UNITED REPUBLIC
OF TANZANIA
MINISTRY OF HEALTH



GOVERNMENT CHEMIST
LABORATORY AUTHORITY
(GCLA)

TANZANIA DNA DAY SUMMIT 2026

23RD- 24TH APRIL, 2026

Jakaya Kikwete Convention
Centre (JKCC), Dodoma

DAY ONE
Thursday 23rd April, 2026

TIME	SESSION / ACTIVITY	SPEAKER / LEAD
07:00-08:00	Arrival and Registration of Participants	Registration Committee / Protocol Committee
08:00-08:10	Arrival of the Guest of Honour	Chief Government Chemist
08:10-08:30	Tour the exhibition booths	Chief Government Chemist
08:30-08:40	Opening Prayer, National and EAC Anthem, and Programme Introduction	MC (Balozi Badru J. Mshana/ Naamala Samson/ Everlight Matinga/Annastazia Rugaba)
08:40-08:50	Introduction of Dignitaries and Invited Guests	Chief Government Chemist
08:50-09:00	Remarks by the Chief Government Chemist	Chief Government Chemist
09:00-09:10	Welcome Remarks	Chief Medical Officer (CMO)
09:10-09:30	Official Opening	Guest of Honour
09:30-09:40	Official Group Photo and Transition	Protocol Committee
09:40-10:30	Tea Break, Poster Viewing, and Exhibition Booth Visits	All participants
10:30-10:45	Keynote Address	Chief Medical Officer (CMO)
	Session 1: Ethical, Legal, and Social Impacts (ELSI)	
10:45-11:00	Legal framework for the Management and control of Human Genomics	Mr. Daniel W. Ndiyo
11:00-11:15	Criminal Justice System: Where Justice Meets the Law	Hon. Justice Paul Kihwelu
11:15-11:30	Building a National Wildlife DNA Reference Database for Tanzania: A Forensic Approach to Combating Illegal Wildlife Trade	Mr. Mohamed M.S. Rijja
11:30-11:45	Contribution of DNA technology in the prosecution services	Representative from NPS
11:45-12:00	Panel Discussion 1:	Chair: Mr. Fidelis S. Segumba
	Session 2: DNA Forensics	
12:00-12:15	Setting the Benchmark: How GCLA Advances Scientific Progress and Forensic Excellence in East Africa	Dr. Fidelis C. Bugoye
12:15-12:30	Unlocking the Power of DNA Databases in Tanzania's Forensic Landscape	Prof. Edda A. Vuhahula
12:30-12:45	Strengthening Forensic DNA Services in Zanzibar: Enhancing Criminal Justice through Scientific Evidence	Mr. Khamis A. Said

TIME	SESSION / ACTIVITY	SPEAKER / LEAD
12:45-13:00	Bridging the Gap Between Wildlife Crime Detection and Prosecution: The Need for Integrated Wildlife Forensic Training in Tanzania	Dr Gabriel Mayengo
13:00-13:15	The Role of Forensics in Protecting Endangered Wildlife Species in Tanzania	Dr George Lohay
13:15-13:40	Panel Discussion 2:	Chair: Mohamed Said
13:40-14:40	Lunch, Poster Presentations, and Exhibition Booth Visits	All participants
	Session 3: Biotechnology, Conservation, Genomics, and One Health Application	
14:40-14:55	Mobile Genomics Platforms for One Health Infectious Disease Outbreak Investigation at the Source in Tanzania	Dr Jean N. Hakizimana
14:55-15:10	The Diversity of Polyketide Synthase Gene Clusters in the Novel <i>Aspergillus aculeatinus</i> Genomes	Ms. Colleen P. Mrina
15:10-15:25	SSR Marker-Based Genetic Diversity Analysis of <i>Lab. purpureus</i> Germplasm in Namibia	Ms. Faith Kavishe
15:25-15:40	Conservation Genetics for the Management of the Eastern Black Rhino in Tanzania	Dr. Ronald Vincent
15:40-15:55	Advancing Pathogen Genomics for Public Health Surveillance in Tanzania: The Role of NPHL	Mr. Jackson Claver Mushunbushi
15:55-16:20	Tea Break, Poster Viewing, and Exhibition Booth Visits	All participants
16:20-16:40	Panel Discussion 3:	Chair: Dr Shabani Kassuwi
16:40-16:55	Sponsor Recognition	Organizing Committee
16:15-17:05	Day One Summary and Key Takeaways	Chair: Mr. Fidelis S. Segumba
17:05-17:10	Announcements for Day Two	Balozi Badru J. Mshana/ Naamala Samson
17:10-17:30	Evening Tea, Poster Viewing, and Exhibition Booth Visits	All participants
17:30	Depart	All participants



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DAY TWO
Friday 24th April, 2026

TIME	SESSION / ACTIVITY	SPEAKER / LEAD
07:30-08:00	Arrival and settling	Protocol Committee / Coordination Committee
08:00-08:10	Recap of Day One	Mr. Daud Ngassa
08:00-08:15	Introduction to Day Two Sessions	MC (Balozi Badru J. Mshana/ Naamala Samson/ Ms Annastazia Rugaba / Everlight Matinga)
Session 4: Public Health and Genomics		
08:15-08:30	Equity and Public Good: Risks of Widening Gaps Between High-Income and Low-/Middle-Income Countries; The Need to Demonstrate Public Benefit in Emerging-Economy Genome Programmes	Dr. Daima Bukini
08:30-08:45	Molecular Surveillance of <i>Plasmodium falciparum</i> Reveals High Complexity of Infections, Spatial Patterns of Parasite Connectivity, and Correlates of Transmission Intensities in Mainland Tanzania	Ms. Pereus Dativa
08:45-09:00	The Role of DNA Fingerprinting in Living-Related Kidney Transplantation in Tanzania	Dr. Jacqueline Shoo
09:00-09:15	Pharmacogenomics in Sickle Cell Disease, HIV, and Leukemia	Dr. Siana Nkya
09:15-09:30	Antimicrobial Resistance: How Genomic Sequencing Strengthens AMR Surveillance and Current Barriers (Capacity, Bioinformatics, Harmonized Systems)	Prof. Raphael Sangeda
09:30-09:45	Genomics for Early Detection and Risk Stratification in Cancer: Opportunities for Tanzania	Dr. Clara Chamba
09:45-10:00	Community-Based Responses to Fanconi Anaemia, a Rare Genetic Disorder, in Tanzania: Awareness, Psychosocial Support, and Policy Advocacy	Ms. Winlady Boniface, Founder, Ivan and Joan Foundation
10:10-10:40	Panel Discussion 4:	Chair: Dr. Deborah Sumari
10:40-11:10	Tea Break, Poster Viewing, and Exhibition Booth Visits	All participants

TIME	SESSION / ACTIVITY	SPEAKER / LEAD
	Session 5: Molecular Detection and Genomics	
11:10-11:25	Advancing Genetic Disease Diagnosis in Zanzibar through DNA Technology: Building Local Capacity for Early Detection and Prevention	Ms. Gheda Ali Salum
11:25-11:40	Comparison of HR-HPV Detection Efficiency in Urine versus Cervical Swab Samples to Inform Cervical Cancer Screening of Tanzanian Women	Mr. George Kitundu
11:40-11:55	Advancing Infectious Disease Genomics for Outbreak Detection and Public Health Response in Tanzania	Mr. Leon Prosper Lyimo
11:40-12:10	Genetic Diversity and Evolution Dynamics of the Plasmodium falciparum Kelch13 Propeller Domain in sub-Saharan Africa: Insights for Molecular Surveillance of Artemisinin Resistance	Dr Fulgence Mpenda
12:10-12:25	Genetic Variants Identified in Tanzanian Cardiomyopathy Patients through Whole-Exome Sequencing	Mr. Abdila Kiula
12:25-12:30	Contribution of Tanzanian Fungal Genomic and DNA Amplicon Data to Global Mycological Knowledge	Dr. Juma Mahmud Hussein
12:30-12:45	Modelling Genetic Diversity: PBPK Approaches to Advance Precision Medicine in African Populations	Mr. Ali Mohaed Ali
12:45-13:15	Panel Discussion 5:	Chair: Dr Siana Nkya
13:15-14:05	Lunch, Poster Presentations, and Exhibition Booth Visits	All participants
14:05-14:20	Summit Recommendations and Way Forward	Dr. Fidelis C. Bugoye
14:20-14:35	From Summit to Roadmap 2026-2030	Ms Annastazia Rugaba
14:35-15:05	Plenary Response Session: Questions, Clarifications, and Institutional Reflections	Dr. Lucy Dalusi
15:05-15:16	Tea Break, Poster Viewing, and Exhibition Booth Visits	All participants
15:35-15:45	Closing Reflection from the Organizing Committee	Dr. Shimo Peter
15:45-16:00	Remarks by GCLA Leadership	Dr. Fidelice Mafumiko
16:00-16:10	Vote of Thanks	Representative, MUHAS
16:10-16:25	Official Closing and Final Group Photo	Moderators / Protocol Committee
16:25-17:00	Networking Tea, Poster Viewing, and Exhibition Booth Visits	All participants
17:00	Depart	All participants