



BIOMEDICAL SOCIETY OF ZAMBIA
BMSZ2024 Scientific Conference and
Annual General Meeting

3rd - 6th December 2024

Radisson Blu Hotel in Livingstone

CONFERENCE PROGRAMME

THEME:

**Strengthening Laboratory Systems: Innovation, Partnerships
and Resilience**

Biomedical Society of Zambia Executive Committee

President:	Mr Mutale Mutale Mubanga
V/President:	Dr. Freeman Chabala
Secretary General:	David Hageltorn
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Organizing Committee Chairperson:

Chairperson	Sharon Duba Zimba
Member	Joseph Mutale
Member	Bonaventure Reddington Gwelengwe
Member	Claudia Kakombo
Member	Vernon Musale
Member	David Mwila Hageltorn
Member	Dorcas Nachangwa
Member	Male Kasonde
Member	Mukoshya Nchima Kalunga
Member	Seay Nyendwa
Member	Taurai Machawi Musonda
Member	Chiinda Goma Mwiinga
Member	Zangose Mulilo
Head scientific committee	Sepiso K. Masenga
Member	Mutale Mubanga

Scientific Committee:

Chairperson	Sepiso K. Masenga, PhD
Vice Chairperson	Victor Daka, PhD
Secretary General	Situmbeko Liweleya, MSc, PhD fellow
Member/Consultant	Mutale Mubanga, MSc
Member/Consultant	Sody Munsaka, PhD
Member	Alfred Machiko, MSc
Member	Michelo Simuyandi, PhD
Member	Chiinda Goma Mwiinga, MSc
Member	Bislom C. Mweene, MSc, PhD Fellow
Member	Luyando Mutelo, MSc
Member	Matenge Mutalange, MSc
Member	Lweendo Muchaili, MSc, PhD fellow
Member/Consultant	Wes Kim, PhD

DAY 1: TUESDAY, DECEMBER 3, 2024		Chair: Patricia Kafweta
Time	Topic	Presenter/Speaker
08:00 – 08:30	Registration /Breakfast	All
08:30 – 08:40	Welcome: President, BMSZ, Zambia	Mutale Mubanga
08:40 – 08:50	Welcome: Chair, ADLM Africa Working Group	Dr. Olajumoke Oladipo
08:50 – 09:35	Quality Control: Current Practice in Zambia	Dean Ntutuma
09:35 – 10:35	Quality Assessment Strategies: Internal Quality Control	Dr. Roa Harb
10:35 – 10:50	HEALTH BREAK	
Exhibitions open 08:00 - 18:00		
10:50 – 11:50	Quality Assessment Strategies: External Quality Control and Alternative Assessment Procedures	Dr. Anthony Okorodudu,
11:50 – 12:50	Quality Improvement Strategies: Quality Indicators and patient-based quality control methods	Dr. Roa Harb, MD.
13:00 - 14:00	LUNCH BREAK AND SPONSOR EXHIBITION	
		Chair: Taurai Musonda
14:00 – 15:00	Method Selection/Verification and Validation	Dr. Anthony Okorodudu
15:00 - 16:00	Reference Intervals/Results Reporting	Dr. Roa Harb, MD.
16:00 - 16:30	HEALTH BREAK AND SPONSOR EXHIBITION	
16:30 – 17:00	Case Studies (Groups)	Dr. Anthony Okorodudu & Dr. Roa Harb
17:00 – 17:30	Case discussions and Wrap-up	
END OF DAY 1		

DAY 2: WEDNESDAY, DECEMBER 4, 2024		
Time	Topic	Presenter/Speaker
	Fostering Innovation in Laboratory Diagnostics	Chairs: Prof Sody Munsaka/ Situmbeko Liweleya
08:00 – 08:30	Welcome tea and registration	All
08:30 – 08:50	Abstract: Low pre-existing endemic human coronavirus (HCoV-NL63)-specific T cell frequencies are associated with impaired SARS-CoV-2-specific T cell responses in people living with HIV	Vernon M Musale
08:50 – 09:10	Abstract: Green synthesis and characterization of AgNPs, liposomal loaded AgNPs and ZnPcS4 photosensitizer for enhanced photodynamic therapy effects against MCF-7 breast cancer cells	Dr. Alexander Chota
09:10 – 09:30	Q&A	All
09:30 – 10:10	Overcoming molecular barriers to HIV eradication during antiretroviral therapy: “The Issue is in the Tissues”	Prof. Zaza Ndhlovu
10:10 – 10:30	Q&A	
10:30 – 11:00	HEALTH BREAK	
11:00 – 11:30	The Impact of 4 th Gen Testing on Acute HIV Infection Detection.	Yuthika Naidoo Abbott
11:30 – 11:45	Q&A	All
MODERATED POSTERS + QA		Chair: Situmbeko Liweleya
11:45 – 11:55	Poster 1: Genetic Characterization of Influenza A(H3N2) Viruses in Zambia	Agness Mushabati
11:55 – 12:05	Poster 2: Frequency and Distribution of RBC Alloantibodies among Transfused Patients at Ndola Teaching Hospital, Zambia	Dr. Alick Mwambungu
12:05 – 12:15	Poster 3: Seroconversion and Kinetics of Vibriocidal Antibodies during the First 90 Days of Re-Vaccination with Oral Cholera Vaccine in an Endemic Population	Dr. Caroline Chisenga
12:15 – 12:25	Poster 4: Determinants of Previous Multi-drug Resistance among Multi-drug resistance Tuberculosis Patients in selected Districts in Zambia	Liness Chakwanda
12:25 – 13:00	Panel - Q&A	

Exhibitions open from 08:00 – 18:00

13:00 - 13:45	LUNCH BREAK/SPONSOR EXHIBITION		Exhibitions open 08:00 to 18:00
	OFFICIAL OPENING	Chair: Prof Sody Munsaka	
13:45 – 14:00	Delegates settle in their seats	All	
14:00 – 14:05	Arrival of the Minister of Health/Guest of honor	Delegation	
14:05 – 14:10	National Anthem	All	
14:10 – 14:20	Speech by Strategic Sponsor - ABBOTT	Refilwe Digwamaje	
14:20 – 14:30	Speech by Platinum Sponsor - Sonergy	Sun Mung'omba	
14:30 – 14:40	Speech by Gold Sponsor – Accuare Medical	Venkatraman Rathinan	
14:40 - 14:50	Speech by BMSZ president	Mutale Mubanga	
14:50 – 15:10	Keynote Address: The Future of Diagnostics: Our role in answering the needs of the future	Dr. Talkmore Maruta	
15:15 – 15:40	Official opening by the Minister of Health	Hon. Dr. Elijah J Muchima	
15:40 – 16:10	PHOTOSHOOT WITH MINISTER AND POSTER EXHIBITION Q&A		
	Building Resilience and Partnerships for sustainable laboratory systems	Chair: Matenge Mutalange	
16:10 – 16:30	Laboratory strengthening; Resilience, Innovation and partnerships	Mweemba Muvwimi	
16:30 – 16:45	Implementing the national multipathogen diagnostic programme: Lessons and implications for sustainability	Michelo Simuyandi	
16:45 – 17:00	Using a G2G partnership model to build sustainable laboratory systems - the Zambian experience	Njeleka Chabala	
17:00 – 17:20	Q&A	All	
17:20 – 17:30	Closing remarks	Vice Chair- Scientific Committee	Dr V. Daka
	END OF DAY 2		

DAY 3: THURSDAY, DECEMBER 5

Time	Topic	Presenter/Speaker
Laboratory Workforce Development and Capacity Building		Chair: Lweendo Muchaili
07:30 – 08:30	Welcome Tea and Sponsor Exhibitions	All
08:30 – 09:00	The role of professional associations in training and capacity building of laboratory professionals	Dr Talkmore Maruta
09:00 – 09:30	Modern Management Approaches in Laboratory Medicine	Prof. Lucy A Perrone
09:30 – 10:30	BMSZ GROW® Panel discussion: Learning from the Voices of Impact Prof. Zaza Ndhlovu, Dr Talkmore Maruta, Prof. Lucy A Perrone, Dr. Nyambura Moremi	Situmbeko Liweleya
10:30 – 11:00	Health Break/Sponsor Exhibition	
Quality assurance		Chair: Dr. Victor Daka
11:00 – 11:30	Diagnosis Matters- Role of quality partners in supporting point of care diagnostic testing quality	Prof. Lucy A Perrone
11:30 – 11:50	Strengthening Laboratory Systems: Catalysing Regional Resilience and Quality Assurance Through Local Manufacturing of Proficiency Testing Materials	Donewell Bangure
11:50 – 12:10	Expanding horizons in EQA through scheme integration and strategic partnerships.	Mwendabai Mulasikwanda
12:00 – 12:15	Updates from the Ministry of Health Quality Assurance Coordinating unit	MOH
12:15 – 12:30	Q&A	
12:30 – 12:45	Sponsored talk – Testing possibilities on the Hologic panther- consolidated laboratory strengthening	Agness Konie
12:45 – 13:00	Innovative Solutions-Optimizing Healthcare Provision in Zambia	Dr. Dinah Phiri
13:00 – 14:00	LUNCH BREAK and SPONSOR EXHIBITION	
One Health Approach to Laboratory Systems		- Alfred Machiko
14:00 – 14:20	Importance of Laboratory Systems to Combat AMR for a One Health Approach	Dr. Wes Kim
14:20 – 14:40	Advancing Diagnostic Stewardship in the Fight against Antimicrobial Resistance: A One Health Approach.	Dr. Nyambura Moremi
14:40 – 14:50	Q&A	
14:50 – 15:10	Safeguarding Public Health: The Vital Role of Veterinary Laboratories in One Health	Dr. Eugene C Bwalya
15:10 – 15:30	Enhancing genomic surveillance of food-borne diseases in Africa.	Prof. Geoffrey Kwenda
15:30 – 15:40	Q&A	

Exhibitions open 08:00 to 18:00

15:40 – 16:00	HEALTH BREAK AND SPONSOR EXHIBITION	Chair: Bislom C. Mweene
16:00 – 16:15	Sponsored talk: Driving Urinalysis: The right patient, the right drug, the right time, the right dose and the right route	Dennis Chiwale
16:15 – 16:35	Latest updates on endocrine function testing quality	Prof Adekunle Okesina
16:35 – 16:55	Abstract: ART Alone Fails to Fully Resolve Anaemia at Initiation in PLWH: Ongoing Risk of Chronic Anaemia	Kingsley Kamvuma
16:55 – 17:10	Q&A	
17:10 – 17:20	Closing Remarks	Scientific Chair BMSZ President
END OF DAY		

17:20 – 18:00	OPTIONAL: Discussion around career development & postgraduate enrolment opportunities	Prof Sepiso K. Masenga
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FRIDAY, DECEMBER 6, 2024 Annual General Meeting			
Time	Topic	Presenter/Speaker	
08:00 – 08:30	Welcome Tea and Exhibition	All members	
08:30 – 08:45	OPENING REMARKS BY THE	BMSZ PRESIDENT	
08:45 – 13:00	BMSZ Annual Professional Meeting	All members	
13:00 – 14:00	Lunch and Exhibitions	All	
18:30 - 21:00	AWARDS GALA DINNER		