



# SAAVT 2024 CONGRESS

## Changes and challenges for the advancement of Veterinary Technology

### Programme

#### Wednesday, 9 October 2024

Time	Description	Speaker
<i>Session chair: Itumeleng Matle</i>		
08h30	Welcome & Opening Remarks	Absalom Makhubela <i>Chairperson SAAVT</i>
08h40	Keynote address: The One Health Approach and the Opportunities it avails for Vet Techs	Dr Faith Peta, <i>FMD Vaccine Production Manager, ARC-Onderstepoort Veterinary Research</i>
09h25	Discrepancy in <u>D</u> ourine complement fixation test results at the Agricultural Research Council: Onderstepoort Veterinary Research, Bacterial Serology Laboratory	Maria Mathekga <i>ARC-Onderstepoort Veterinary Research</i>
09h45	Guest speaker: Collaboration in the Veterinary Sector	Dr Nomfundo Mnisi <i>Chairperson of HWSETA</i>
10h05	Mid-morning refreshments	
<i>Session chair: Nomkhosi Mathebula</i>		
10h30	Collaboration within the para-veterinary professionals in South Africa	Jabulane S. Magagula <i>University of Cape Town</i>
10h50	Development of a real-time PCR assay to detect a novel rickettsial agent identified in patients with acute febrile illness	Ni-Mari Smith <i>University of Pretoria</i>
11h10	Nontyphoidal <i>Salmonella</i> monitoring and surveillance in South Africa from 1959 – 2023: A bridging path to innovative approaches towards Global Health Security and Safe Trade Perspectives	Itumeleng Matle <i>Onderstepoort Veterinary Research</i>
11h30	Small changes making big differences in the Avian Influenza ELISA Test	Thea Conradie <i>Western Cape Provincial Veterinary Laboratory</i>
11h50	Poster Session 1	
12h30	Lunch	
<i>Session chair: Jabu Magagula</i>		
13h30	Analytical assay validation in a Clinical Pathology Laboratory set-up	Portia T Mashego <i>University of Pretoria</i>
13h50	The NSPCA, who are we?	Lebo Sentle <i>NSPCA</i>
14h10	Phylogenetic analyses of recent dog rabies viruses from outbreaks in the Eastern Cape Province, South Africa	Mmantshuruge J. Miyen <i>Agricultural Research Council</i>
14h30	Building a foundation for quality: journey to setting up a laboratory for accreditation	Moloko Fransiscah Selepe <i>Western Cape Provincial Veterinary Laboratory</i>
14h50	Company showcase: Chemetrix - Agilent BioTek solutions for Veterinary Testing	Mr Nick Desmond Smith <i>Cell Analysis &amp; Microplate Automation</i>
15h00	Mid-afternoon refreshments	



# Wednesday, 9 October 2024

Time	Description	Speaker
<i>Session chair: Nomsa Mabogoane</i>		
15h30	Genomic characterization and antimicrobial resistance profiles of <i>Listeria monocytogenes</i> isolated from pig farms	Puseletso Masemola North-West University
Time	Description	Speaker
15h50	Retrospective analysis of laboratory diagnostic data to assess the prevalence and seasonal variation of heartwater in commercial farms of Lephalale municipality, Limpopo, South Africa	Emmanuel M. Seakamela Limpopo Department of Agriculture and Rural Development
16h10	Occurrence, antibiotic resistance and genetic diversity of <i>Klebsiella pneumoniae</i> from various retail chicken meat in the Ngaka Modiri Molema district, South Africa	Neo Cecil Galetlole North-West University
16h30	Antimicrobial resistance and the population structure of <i>Salmonella enterica</i> serovars from the environment, animals, and food products in South Africa	Aletta Mathole Agricultural Research Council
16h50	End of Day 1	
18h00	Congress Social Dinner in the Lobolo Venue Theme: Traditional	

# Thursday, 10 October 2024

Time	Description	Speaker
<i>Session chair: Sphamandla Qwabe</i>		
08h30	Welcome	Absalom Makhubela Chairperson SAAVT
08h40	Keynote 2 – Veterinary Laboratory role in the control of diseases: Challenges and Perspective	Prof. Mulunda Mwanza HOD Animal Health Department North-West University
09h25	Metagenomics insights into the microbial resistome composition of Ready-to-eat (RTE) food products	Dr Thendo Mafuna University of Johannesburg
09h45	Guest speaker - The changes and challenges for the advancement of veterinary diagnostic laboratories in Southern Africa <i>*pre-recorded presentation</i>	Dr Moetapele Letshwenya WOAH Sub-Regional Representative for Southern Africa
10h05	Company showcase: Lasec – Tools for Disease Research	Lesego Vilakazi Application Specialist: Physiology and Animal Sciences
10h15	Mid-morning refreshments	
10h40	SAAVT AGM	
12h10	Poster Session 2	
12h40	Lunch	
<i>Session chair: Boitumelo Mokwana</i>		
13h40	Functional characterization of Type III Secretion System escV and escD proteins from <i>E. coli</i> genomes	Refiloe Malesa Agricultural Research Council
14h00	Microbiological health status of experimental animals, South Africa's challenge	Jabulane S. Magagula University of Cape Town
14h20	Biobanking for animal health: storing natural treasures	Juanita van Emmenes Agricultural Research Council
14h40	Laboratory-based longitudinal surveillance of malignant catarrhal fever in Lephalale municipality in Limpopo province, South Africa: 2001–2021	Emmanuel M. Seakamela Limpopo Department of Agriculture and Rural Development
15h00	Mid-afternoon refreshments	



# Thursday, 10 October 2024

Time	Description	Speaker
<i>Session chair: Obakeng Boshielo</i>		
15h20	Guest speaker: Adapting to change: Navigating regulatory compliance challenges in veterinary laboratories	Sphamandla Qwabe SAAVT – SAVC representative
15h40	Company showcase: SANAS Accreditation for Veterinary Laboratories	Charmaine Morobe SANAS
15h55	Awards and closing of congress	
16h55	End of Congress	

## Programme - Posters

### Wednesday, 9 October 2024

#### POSTER SESSION 1: 11h50 – 12h30

Description	Speaker
An overview of diagnosing bovine spongiform encephalopathy	Ntlhokoana D. Maluleke ARC-Onderstepoort Veterinary Research
Molecular comparative study of antibiotic resistance of <i>Salmonella enterica</i> from animal, food, and environment isolated over 62 years	Maphori Nozipho Prudy North-West University
Evaluating the risk factors of manure as fertilizer, and prevalent foodborne pathogens in feedlot cattle manure through metagenomic analysis	Nelly Mokoka North-West University
Prevalence, characterization and antimicrobial susceptibility patterns of extraintestinal pathogenic <i>Escherichia coli</i> from chicken carcasses in Gauteng province, South Africa (TBC)	Carol M. Nkosi NCPVL

### Thursday, 10 October 2024

#### POSTER SESSION 2: 12h10-12h40

Description	Speaker
Isolation of a multidrug-resistant <i>Escherichia coli</i> pathotype Stx2:Cnf1:Cnf2:Eae as a potential cause of hemorrhagic diarrhea and secondary septicemia in a dog	Thabile Petunia Lukhele University of Pretoria
Validation of Rift Valley Fever method in the absence of positive samples since 2010 in South Africa	Nkagiseng Unity Moatshe Agricultural Research Council
Testing for blood protozoa in ticks collected from cattle and pastures in North-West and Mpumalanga	Moyagabo Elizabeth Sebisha TUT, Department of Biomedical Sciences
Tick DNA extraction using high-pure PCR template preparation kit	Kamogelo Mokonyane TUT, Department of Biomedical Sciences
Evaluation of OneTaq®2X Master Mix with standard buffer in amplification of tick DNA	Nikiwe Mkhari TUT, Department of Biomedical Sciences
Detection of tick-borne blood bacteria from collected ticks	Salome RM Leshilo TUT, Department of Biomedical Sciences



# WITH APPRECIATION TO OUR SPONSORS

