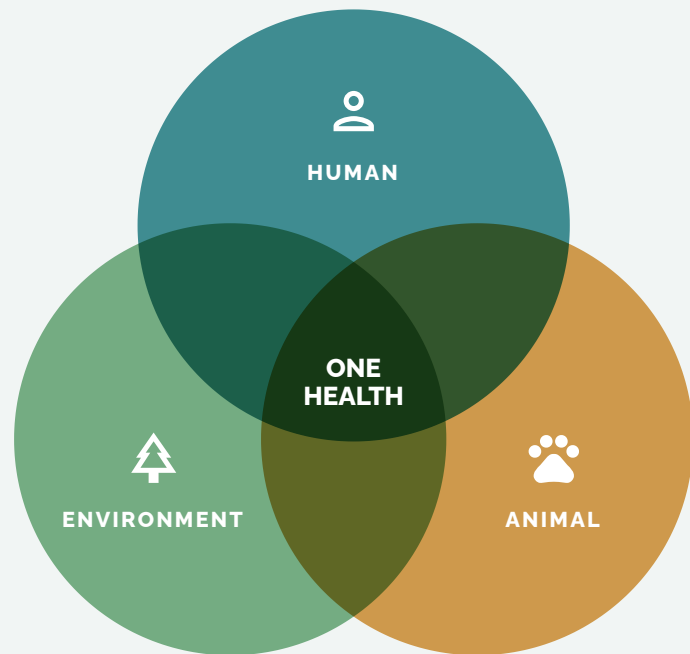


# Shared Spaces, Shared Health

South Africa marks International One Health Day



## DATE

Tuesday 3 November 2026

## TIME

08:50–13:00 SAST

## WHERE

Online, Microsoft Teams

## ABOUT THE WEBINAR

Emerging infectious diseases do not respect the boundaries between people, animals and the environment. To mark International One Health Day, Stellenbosch University's Centre for Epidemic Response and Innovation (CERI) and the University of Pretoria bring together leading voices from government, research and veterinary science to examine how a One Health approach strengthens South Africa's preparedness.

## TOPICS

- One Health implementation and the role of animal health
- Tuberculosis at the human–wildlife interface
- Spillover prevention
- Arbovirus surveillance
- The origins of novel pathogens
- Ebola preparedness

## Register free

Scan the code or [click here to register](#) on Microsoft Teams. Joining details follow by email.



[t.ly/oPB5p](https://t.ly/oPB5p)

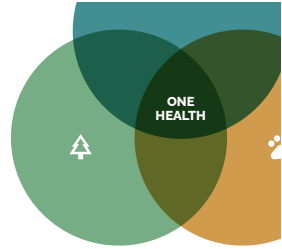
Open to all. Free to attend.

IN COLLABORATION WITH



**CERI**  
Centre for Epidemic  
Response & Innovation





# Hosts and speakers

**Dr Carla Mavian** HOST & CHAIR

Programme Director: One Health Research, CERl, Stellenbosch University

Evolutionary virologist and Programme Director: One Health Research at CERl, Stellenbosch University, also affiliated with the University of Florida. Her research examines the ecology and evolution of zoonotic pathogens at the animal-human interface, from *Vibrio cholerae* to poxviruses, arboviruses and bat-borne viruses. At Stellenbosch she is expanding surveillance at wildlife, livestock and human interfaces, with a focus on Q fever and foot-and-mouth disease.

**08:50 · Welcome and opening remarks**

**Prof Wanda Markotter** HOST, CHAIR & SPEAKER

Interim Director: Future Africa, University of Pretoria

Interim Director and Research Chair: People, Health and Places (One Health) at Future Africa, University of Pretoria, and Director of the Centre for Viral Zoonoses. She holds the DSTI-NRF SARCHI Chair in Infectious Diseases of Animals (Zoonoses), co-chairs the One Health High-Level Expert Panel (OHHLEP) advising WHO, WOA, FAO and UNEP, and serves on The Lancet Commission on Prevention of Spillover. Her research focuses on bat pathogens and on predicting and preventing spillover in Africa.

**10:10 · Preventing spillover risk through a One Health framework**

**Mr Wayne Ramkrishna** SPEAKER

Acting Director: Communicable Diseases Control, National Department of Health

Acting Director: Communicable Diseases Control at the National Department of Health and one of South Africa's International Health Regulations National Focal Points. He supports the National Action Plan for Health Security and has played key roles in national responses to COVID-19, cholera, mpox, influenza and Ebola, and in building South Africa's One Health structures.

**09:00 · One Health Implementation Framework for South Africa: the role of human health**

**Mr Abednego Baker** SPEAKER

Senior Technical Specialist, Department of Forestry, Fisheries and the Environment

Senior Technical Specialist responsible for health impact in Air Quality Management at the Department of Forestry, Fisheries and the Environment. He holds a Master of Public Health from the University of Pretoria, with further training in occupational hygiene and epidemiology, and has worked in environmental health at the National, KwaZulu-Natal and Northern Cape Departments of Health and the National Institute for Occupational Health.

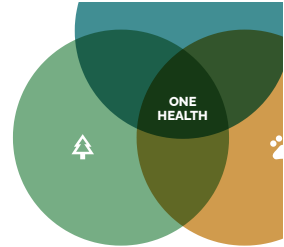
**09:10 · The role of environment in One Health**

**Dr Alicia Cloete** SPEAKER

State Veterinarian, National Department of Agriculture

State Veterinarian in Animal Health (Disease Control) at the National Department of Agriculture. She leads One Health liaison with the Department of Health and other stakeholders through the national One Health Forum, and chairs the national Rabies Advisory Group. She holds a Master of Public Health through the South African Field Epidemiology Training Programme.

**09:20 · One Health Implementation Framework for South Africa: the role of animal health**



# Speakers



## Prof Michele Miller SPEAKER

SARChI Chair in Animal TB, Stellenbosch University

South African Research Chair in Animal TB at Stellenbosch University, based in Kruger National Park. A veterinarian and immunologist, she spent 25 years as a zoo veterinarian in the United States before moving to South Africa in 2013. Her research focuses on TB and other zoonotic diseases at human, animal and environment interfaces.

**09:40 · Understanding tuberculosis through a One Health lens: insights from Kruger National Park**



## Prof Felicity Burt SPEAKER

SARChI Chair in Vector-borne and Zoonotic Pathogens, University of the Free State and NHLS

Virologist in the Zoonotic Pathogen Research Unit, NHLS Universitas and the University of the Free State, where she holds the NRF SARChI Chair in Vector-borne and Zoonotic Pathogens Research. She chairs the CCHFV Africa Advisory Committee, serves on WHO panels, and has published more than 100 peer-reviewed papers.

**11:00 · Arbovirus discovery and surveillance in South Africa**



## Prof Marietjie Venter SPEAKER

SARChI Chair: EViTOH, University of the Witwatersrand

Distinguished Professor and NRF SARChI Chair in Emerging Viral Threats, One Health Surveillance and Vaccines (EViTOH) at the University of the Witwatersrand, and President of the World Society of Virology. She chaired the WHO Scientific Advisory Group for the Origins of Novel Pathogens (SAGO) from 2021 to 2025 and brings over 20 years of arbovirus and respiratory virus research.

**11:30 · One Health investigations into the origins of novel pathogens and variants of concern**



## Prof Wynand Goosen SPEAKER

Extraordinary Professor in Molecular Biology, Stellenbosch University

Extraordinary Professor in Molecular Biology at Stellenbosch University and co-lead of an inter-institutional TB One Health Research Group. His work on Mycobacterium bovis across human, animal and environmental systems produced the first evidence of zoonotic M. bovis in people in South Africa in 2024. He holds an NRF C1 rating and has published more than 80 peer-reviewed articles.

**12:00 · Identification and molecular characterisation of M. bovis DNA in GeneXpert® MTB/RIF Ultra-positive, culture-negative sputum samples from a rural community in South Africa**

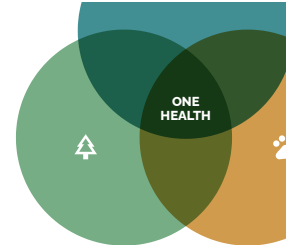


## Prof Jean B. Nachega SPEAKER

Director: Biomedical Research Institute, Stellenbosch University

Professor of Infectious Diseases and Inaugural Director of the Biomedical Research Institute, Faculty of Medicine and Health Sciences, Stellenbosch University, with appointments at the University of Pittsburgh and Johns Hopkins. He has authored more than 270 peer-reviewed publications, advises WHO, CDC and Africa CDC, and co-founded and chairs the Mpox Research Consortium.

**12:30 · Reframing Ebola: from spillover to One Health preparedness**



# Programme

Talks are followed by questions. All times are South African Standard Time (SAST, UTC+2).

## FIRST SESSION | CHAIR: DR CARLA MAVIAN

|                      |                                                                                          |                                        |
|----------------------|------------------------------------------------------------------------------------------|----------------------------------------|
| <b>08:50 – 09:00</b> | Welcome and opening remarks                                                              | Dr Carla Mavian & Prof Wanda Markotter |
| <b>09:00 – 09:10</b> | One Health Implementation Framework for South Africa: the role of human health           | Mr Wayne Ramkrishna                    |
| <b>09:10 – 09:20</b> | The role of environment in One Health                                                    | Mr Abednego Baker                      |
| <b>09:20 – 09:30</b> | One Health Implementation Framework for South Africa: the role of animal health          | Dr Alicia Cloete                       |
| <b>09:30 – 09:40</b> | Questions                                                                                |                                        |
| <b>09:40 – 10:00</b> | Understanding tuberculosis through a One Health lens: insights from Kruger National Park | Prof Michele Miller                    |
| <b>10:00 – 10:10</b> | Questions                                                                                |                                        |
| <b>10:10 – 10:30</b> | Preventing spillover risk through a One Health framework                                 | Prof Wanda Markotter                   |
| <b>10:30 – 10:40</b> | Questions                                                                                |                                        |
| <b>10:40 – 11:00</b> | Break                                                                                    |                                        |

## SECOND SESSION | CHAIR: PROF WANDA MARKOTTER

|                      |                                                                                                                                                                                   |                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| <b>11:00 – 11:20</b> | Arbovirus discovery and surveillance in South Africa                                                                                                                              | Prof Felicity Burt    |
| <b>11:20 – 11:30</b> | Questions                                                                                                                                                                         |                       |
| <b>11:30 – 11:50</b> | One Health investigations into the origins of novel pathogens and variants of concern                                                                                             | Prof Marietjie Venter |
| <b>11:50 – 12:00</b> | Questions                                                                                                                                                                         |                       |
| <b>12:00 – 12:20</b> | Identification and molecular characterisation of <i>M. bovis</i> DNA in GeneXpert® MTB/RIF Ultra-positive, culture-negative sputum samples from a rural community in South Africa | Prof Wynand Goosen    |
| <b>12:20 – 12:30</b> | Questions                                                                                                                                                                         |                       |
| <b>12:30 – 12:50</b> | Reframing Ebola: from spillover to One Health preparedness                                                                                                                        | Prof Jean B. Nachega  |
| <b>12:50 – 13:00</b> | Questions and closing remarks                                                                                                                                                     | Prof Wanda Markotter  |



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