



MALARIA RESEARCH GROUP

10th ANNUAL SOUTHERN AFRICA MALARIA RESEARCH CONFERENCE

29 – 31 July 2025

Venue: Future Africa Campus, University of Pretoria

**CONFERENCE THEME: *“Shaping the agenda to meet
the malaria elimination end goal”***

PROGRAMME ORAL PRESENTATIONS



DAY 1: TUESDAY, 29 JULY 2025

8:00 - 9:00	Arrival & Registration	
9:00 - 9:05	Programme Director	Dr N Morris (SAMRC)
9:05 - 9:20	Welcome Address by the South African Medical Research Council (SAMRC)	Prof R Maharaj
9:20 – 9:35	Address by the University of Pretoria Principal & Vice Chancellor	Prof F Petersen UP
9:35 – 9:50	Official Opening Address	Dr S El-Halabi WHO
9:50 – 10:05	Opening remarks - NdoH	Ms ER Baloyi NDoH
10:05 – 10:20	Keynote Address	Prof KI Barnes SAMEC
10:20 – 10:40	Plenary: The development of malaria drug discovery	Dr LB Coulson H3D Centre UCT
10:40 – 10:55	HEALTH BREAK & POSTER VIEWING	
<i>Thematic Area: Advocacy for Elimination</i> <i>Chairpersons: Drs T Kruger and J Mouatcho</i>		
10:55 – 11:10	The trajectory of malaria care of children under five years with fever, from a cross-sectional household survey in select program areas of the Isdell: Flowers Cross Border Malaria Initiative within Southern and Western Provinces, Zambia (2023-2024)	Mr P Mwimana Anglican Diocese of Lusaka Cross Border Malaria Initiative
11:10 – 11:25	Exploring malaria treatment Beliefs in a South African context	Mr CD Johnson UP
11:25 – 11:40	Addressing malaria risk in the high-risk mining population of Chikova Village in Hurungwe District, Zimbabwe	Ms P Vinga Anglican Diocese of Lusaka Cross Border Malaria Initiative
11:40 – 11:55	Influence of molecular markers of resistance on malaria incidence: the case of Artemisinin Resistance in Uganda	Dr J Gwasupika UCT
11:55 - 12:10	Care group model: a community-driven social and behaviour change (SBC) approach for sustainable malaria impact	Mr M Chimango Methodist Church in Zimbabwe, CBMI

12:10 – 12:25	Knowledge and capacity gaps detected during malaria case management training workshops in all nine South African provinces (2024-2025)	Dr J Raman NICD
12:25 – 13:30	HEALTH BREAK & POSTER VIEWING	
Thematic Area: Surveillance Chairpersons: Ms M Shandukani and Dr N Morris		
13:30 – 13:45	Sources of imported malaria in Mpumalanga province, South Africa: implications for diagnosis and treatment	Ms BG Nkosi Mpumalanga DoH
13:45 – 14:00	Leveraging Community Knowledge and Practices to enhance Malaria Control Programs in Solwezi and Kalumbila Districts	Dr HT Nyirenda Copperbelt University, Zambia
14:00 – 14:15	The prevalence of non- <i>falciparum</i> malaria in eliminating districts of KwaZulu-Natal and Mpumalanga provinces, South Africa (2022-2024)	Dr SB Lauterbach NICD
14:15 – 14:30	Analysis of malaria surveillance data from two parallel reporting systems in Nkomazi Sub District, April 2024- March 2025	Ms L Mathaba Mpumalanga DoH
14:30 – 14:45	<i>Anopheles stephensi</i> and the increased risk of urban malaria in South Africa	Dr M Kaiser NICD
14:45 – 15:00	Bridging surveillance silos: Integration of South Africa’s Malaria Information Systems for enhanced elimination efforts	Miss Z Fekema NdoH
15:00 – 15:15	Epidemiological characteristics and drug resistance marker prevalence in imported and locally-acquired cases reported from two South African malaria-endemic districts targeting elimination (2022–2024)	Mr M Mabona NICD
15:15 – 15:30	Low levels of <i>Plasmodium falciparum</i> parasitaemia among patients receiving antiretroviral therapy at the treatment centre of the Regional Hospital Bamenda, Northwest Cameroon	Dr C.E Bisong Stellenbosch University
15:30 – 15:45	HEALTH BREAK , POSTER VIEWING	
	Close of Day 1	

DAY 2: WEDNESDAY, 30 JULY 2025

8:30 – 9:00	Arrival	
9:00 – 9:05	Welcome	Prof R Maharaj
9:05 – 9:25	Plenary: The impact of cross border movement on malaria elimination in the region.	Dr P Aide CISM Mozambique
Thematic area: Vector Biology & Control Chairpersons: Prof B Brooke and Dr P Tshikae		
9:25 – 9:40	Preserving vector biodiversity to advance malaria elimination: Insights from the Medical Entomology Museum, South Africa	Mrs EA Jamesboy NICD
9:40 – 9:55	Modelling the transition from DDT-Based IRS to next-generation insecticides for Malaria Control in Limpopo Province, South Africa	Mr G Madito UCT
9:55 – 10:10	Leveraging Remote Sensing-derived covariates to understand <i>Anopheles arabiensis</i> populations: A spatial modelling approach to guide SIT program in Jozini, South Africa	Ms T Mazarire WITS
10:10 – 10:25	The effect of acclimatisation to elevated temperatures on temperature tolerance and biochemistry of the <i>Anopheles gambiae</i> complex	Dr SV Oliver NICD
10:25 – 10:40	HEALTH BREAK AND POSTER VIEWING	
Thematic area: Vector Biology & Control Chairpersons: Prof B Brooke and Dr P Tshikae		
10:40 – 10:55	The effect of colonisation of the gut microbiota of <i>Anopheles arabiensis</i> (Diptera: Culicidae)	Dr SV Oliver NICD
10:55 – 11:10	Temperature, mosquito feeding status and mosquito density influence the measured bio-efficacy of insecticide-treated nets in cone assays	Ms J Mseti Ifakara Health Institute

11:10 – 11:25	The potential of Zinc and Cobalt as micronutrients in <i>Anopheles arabiensis</i> (Diptera: Culicidae)	Ms C de Winaar NICD
SCIENTIFIC SESSION ON DDT		
11:25 – 12:30	Prof C de Jager (UP) and Mr T Ledwaba (DoH)	
12:30 – 13:30	HEALTH BREAK AND POSTER VIEWING	
SPONSORS PRESENTATION		
13:30 -13:45	From Blood to Ct: qPCR-Based Plasmodium Detection Using QIAprep&	Eneko Goya Qiagen SA
13:45 -14:00	“The value of rotation in IRS”	Mr Frans Knoesen PES Africa
Thematic area: Parasite Biology and Control Chairperson: Dr J Raman		
14:00 – 14:15	Evaluation of the functional relevance of the unique transcription factor PfMyb1 in malaria parasites	Ms MJ Shannon UP
14:15 – 14:30	Interrogating the oxidative stress responses of key ROS detoxification enzymes in <i>Plasmodium falciparum</i> parasites	Ms N Diepeveen UP
14:30 – 14:45	Validating the mode of action of the antimalarial candidate MMV1580843	Ms N Saunders UP
14:45 – 15:00	HEALTH BREAK AND POSTER VIEWING	
Panel Discussion		
15:00 – 16:15	Innovative Funding Mechanisms for Malaria	Panel Members: Mr S Wanjala Mr S Charles Dr D Pandey Ms ER Baloyi
	Close of Day 2	
18:00 - 21:00	Conference Dinner and Award Ceremony	

DAY 3: THURSDAY, 31 JULY 2025		
8:30 – 9:00	Arrival	
9:00 – 9:05	Welcome	Prof R Maharaj
9:05 – 9:25	Plenary: “The impact of GIS on malaria elimination in the region.”	Dr N Morris SAMRC
<i>Thematic area: Innovation for Elimination</i>		
<i>Chairperson: Prof C de Jager</i>		
9:25 – 9:40	The burden of malaria in KwaZulu-Natal: A five-year analysis of imported cases (2021–2025)	Dr P Tshikae KZN DoH
9:40 – 9:55	“In starvation, a bone can also be meat”: a mixed methods evaluation of factors associated with discarding of long-lasting insecticidal nets in Bagamoyo, Tanzania	Ms E Madumla Ifakara Health Institute
9:55 – 10:10	Analysis of local malaria cases in the Limpopo Province and implications for winter foci clearing	Mr T Ledwaba Limpopo DoH
10:10 – 10:25	Exploring the avian semi-synthetic phage-display library as a source for high binders targeting selected essential <i>P. falciparum</i> proteins	Ms N Gasa UKZN
10:25 – 10:40	An integrated approach to accelerate malaria and Neglected Tropical Disease Elimination in Southern Africa (2026–2028)	Dr D Pandey WHO
10:40 – 10:55	Streamlining malaria elimination data management interventions and decision making	Ms G Kok Mpumalanga DoH
10:55 – 11:10	Leadership and management capacity building: Addressing gaps in NMCPs through an integrated training programme to reach elimination targets	Dr T Kruger UP
KNOWLEDGE SHARING		
11:10 – 12:00	RADAR Launch	Prof S Silal
PRESENTATIONS		
12:00 – 12:10	Presentation of conference awards	Prof R Maharaj
12:10 – 12:15	Vote of Thanks	Mr V Lakan

12:15 – 12:20	Closing Remarks	Prof R Maharaj
12:20 – 13:00	Health Break and Departure	

