



**9th ANNUAL SOUTHERN AFRICA MALARIA RESEARCH
CONFERENCE**

31 July – 2 August 2024

Venue: Future Africa Campus, University of Pretoria

**CONFERENCE THEME: “Malaria Elimination... a
moving target?”**

PROGRAMME ORAL PRESENTATIONS

DAY 1: WEDNESDAY, 31 JULY 2024

8:30 - 9:00	Arrival	
9:00 - 9:05	Programme Director	Prof R Maharaj
9:05 - 9:20	Welcome Address (SAMRC)	Prof L Zuhlke
9:20 – 9:35	Address by the University of Pretoria	Prof S Maharaj
9:35 – 9:50	Official Opening Address	Director General: NdoH: Dr S Buthelezi
9:50 – 10:05	South Africa’s Progress towards malaria elimination	Ms E Baloyi (NdoH)
10:05 – 10:20	Keynote Address: “Winging it: the power of public-private partnership in driving malaria elimination.”	Mr R Brozin (Co-founder Nandos & Goodbye Malaria)
10:20 – 10:40	Plenary: Malaria and Climate	Dr N Sweijd (ACCESS)
10:40 – 10:55	HEALTH BREAK & POSTER VIEWING	
<i>Thematic Area: Surveillance</i>		
<i>Chairperson: Ms B Shandukani & Dr N Morris</i>		
10:55 – 11:10	Malaria vector mosquitoes and zoophilic preference	Dr J Mouatcho
11:10 – 11:25	Exploring measures to reduce malaria cases through reactive case detection in a Zambia-like setting: A modelling study	Mr C Chiziba
11:25 – 11:40	Incidental detection of <i>Mansonella perstans</i> (M. perstans) infection by the Mpumalanga malaria elimination programme during reactive malaria surveillance activity	Ms B Nkosi
11:40 – 11:55	Development of a ratio-specific human scent mimic for trapping <i>Anopheles gambiae</i>	K Saili
11:55 - 12:10	Genomic surveillance reveals artemisinin partial resistance markers in Northern Namibia in 2023	Ms L Eloff
12:10 – 12:25	Geographic heterogeneity in antimalarial drug resistance markers revealed by genomic surveillance in Angola	M Joao
12:25 – 13:30	HEALTH BREAK & POSTER VIEWING	

Thematic Area: Surveillance		
Chairperson: Ms B Shandukani & Dr N Morris		
13:30 – 13:45	<i>Plasmodium ovale</i> dominates asymptomatic malaria infections in Ha-Lambani area, Limpopo Province, South Africa	M Munzhedzi
13:45 – 14:00	Malaria diagnostic test referrals to the reference laboratory: a four-year review	Mrs N Seolwanyane
14:00 – 14:15	Advancing <i>Anopheles</i> surveillance through a comparative study of adult mosquito collection techniques in a low-transmission area of the Nkomazi local municipality, Mpumalanga province, South Africa	T Mashatola
14:15 – 14:30	Insights from the MARC SE-Africa Dashboard: Leveraging networking, collaboration, and expedited data sharing to combat antimalarial resistance in Southern and Eastern Africa	S van Wyk
14:30 – 14:45	Addressing challenges in malaria case follow-up to reduce secondary infections: A study in Limpopo Province, South Africa	Mr QE Mabunda
14:45 – 15:00	Prevalence of molecular markers associated with antimalarial drug resistance in South Africa: insights from a regional genomic surveillance initiative	Nkosingiphile Nyawo
15:00 – 15:15	HEALTH BREAK & POSTER VIEWING	
Thematic Area: Regional & Cross Border Malaria		
Chairperson: Drs P Moonasar and C Sikaala		
15:15 – 15:30	Community malaria elimination committees: A model for improving community engagement in malaria elimination strategies from Cuando Cubango Province, Angola	J Nelo
15:30 – 15:45	Impact of imported cases in the dynamics of malaria transmission in KwaZulu-Natal: A meta-population modelling	Dr SY Tchoumi
BRIDGING THE GAP – KNOWLEDGE SHARING		
15:45 – 16:05	The E8-led regional malaria molecular surveillance initiative: successes, challenges, and opportunities.	Dr J Raman

DAY 2: THURSDAY, 1 AUGUST 2024

8:30 – 9:00	Arrival	
9:00 – 9:05	Welcome	Prof R Maharaj
9:05 – 9:25	Plenary: “The role of operational research and vector control: Converging to eliminate malaria.”	Dr P Tshikae
Thematic area: Vector Biology & Control Chairpersons: Prof B Brooke & Dr P Tshikae		
9:25 – 9:40	Preserving history, advancing science: The legacy of the NICD entomological collection	Mrs E Jamesboy
9:40 – 9:55	Examining the influence of temperature and rainfall on malaria dynamics in high and low transmission settings	Mr G Madito
9:55 – 10:10	Progress towards the application of Para transgenesis as a malaria control tool in South Africa	Ms A Singh
10:10 – 10:30	HEALTH BREAK AND POSTER VIEWING	
Thematic area: Vector Biology & Control Chairpersons: Prof B Brooke & Dr P Tshikae		
10:30 – 10:45	Bacterial diversity in <i>Anopheles arabiensis</i> Patton (Diptera: Culicidae) from KwaZulu-Natal	Dr C Chen
10:45 – 11:00	Malaria entomology and insecticide resistance in Vhembe District, Limpopo Province, a high disease burden region of South Africa.	Ms K Kachali
11:00 – 11:15	The effect of sublethal Temephos exposure on longevity and the gut microbial composition of <i>Anopheles arabiensis</i> (Diptera: Culicidae).	Ms K Noeth
11:15 – 11:30	Optimisation of an irradiation protocol for the bulk sterilisation of the mosquito vector <i>Anopheles arabiensis</i> for use in a South African sterile insect technique	Mr M Samuel
11:30 – 11:45	The effect of larval plastic exposure on life history traits of the major malaria vector <i>Anopheles arabiensis</i> Patton (Diptera: Culicidae)	Ms S Misser

11:45 – 12:00	The effect of rural and urban pollutant exposure on the major malaria vector <i>Anopheles arabiensis</i> Patton (Diptera: Culicidae)	Ms W Rasikhanya
12:00 – 12:15	Investigating the drivers of malaria transmission in the Vhembe District, Limpopo Province, South Africa	Ms M Shanahan
12:15 – 12:30	Exposure to extreme high temperatures in laboratory: what lessons can we learn about climate change and its effect on the major malaria vector <i>Anopheles arabiensis</i> ?	Dr S Oliver
12:30 – 13:30	HEALTH BREAK AND POSTER VIEWING	
<i>Thematic area: Advocacy for malaria elimination</i> <i>Chairpersons: Prof R Maharaj & Dr T Kruger</i>		
13:30 – 13:45	Estimating the impact of the RTS,S/AS01 malaria vaccine in the ECOWAS region: A mathematical modelling study	Ms S Alohoutade
13:45 – 14:00	No one left behind in the fight against malaria: Lessons learned from the Anglican Diocese of Harare in targeting youth who are economically active outdoors	Ms P Vinga
<i>Panel Discussion:</i>		
14:00 – 15:30	Perspectives on malaria elimination's shifting targets	<u>Panel Members:</u> Dr J Chimumbwa, Dr P Moonasar, Ms E Baloyi, Prof B Brooke, Prof C de Jager and Mr F Maartens
15:30 – 15:45	HEALTH BREAK & POSTER VIEWING	
Closure of Day 2		
18:00 – 21:30	Conference Dinner	

DAY 3: FRIDAY, 2 AUGUST 2024

8:30 – 9:00	Arrival	
9:00 – 9:05	Welcome	Prof R Maharaj
9:05 – 9:25	Plenary: “The role of SIT in an elimination agenda an introspection of progress on the application of the technology in South Africa”	Dr G Mhenga
Thematic area: Parasite Biology & Control		
Chairperson: Dr J Raman		
9:25 – 9:40	Using advanced microscopy techniques to investigate antimalarial mode of action.	Mr H Langeveld
9:40 – 9:55	Determining the role of the mitochondrial pyruvate carrier in intraerythrocytic <i>Plasmodium falciparum</i> parasites	Ms S Voges
9:55 – 10:10	The "New" Life Cycle of <i>Plasmodium</i>	Prof M Markus
10:10 – 10:30	HEALTH BREAK & POSTER VIEWING	
Thematic area: Innovation for Elimination		
Chairperson: Prof C de Jager		
10:30 – 10:45	Impact of malaria microscopy training in Botswana- A necessary intervention for malaria elimination	Ms DG Mompoti
10:45 – 11:00	Enhancing malaria service delivery: Insights from community health units in malaria in Kenya	L Odenyl
11:00 – 11:15	Alternatives to DDT – Safeguarding human and environmental health	Dr R Thapar
BRIDGING THE GAP – KNOWLEDGE SHARING		
11:15– 11:35	Health: RADAR: Responsible access to data for analysis and research.”	Dr S Silal
PRESENTATIONS		
11:35 – 11:45	Presentation of conference awards	Prof R Maharaj
11:45 – 11:50	Vote of thanks	Mr V Lakan
11:50 – 12:00	Close of Conference	
12:00 – 13:00	Health Break and Departure	