

4th ANNUAL SOUTHERN AFRICA MALARIA RESEARCH CONFERENCE

30 July – 1 August 2018

NICD, Sandringham,

Johannesburg

Programme

Monday, 30 July 2018

8:00 – 9:30	Registration & Tea	
9:30 – 9:35	Introduction	
9:35 – 9:50	Opening of Conference: Dr Y Pillay	
10:00 – 10:30	Plenary 1	Prof Karen Barnes & Dr Jaishree Raman “Should primaquine be added to artemether-lumefantrine treatment for stopping onward transmission in South Africa? Preliminary findings from a pilot study in Mpumalanga.”
Thematic Area: Case Management & Co-Infection Chairperson: Prof L Blumberg		
10:30 – 10:50	Dr G Shirreff	Assessment of Malaria Case Management in Mozambique: Health Facility Survey
10:50 – 11:10	Dr T Motshoge	Prevalence of Glucose-6-phosphate dehydrogenase deficiency among Batswana children: Implications for malaria elimination
11:10 – 11:30	Ms B Moodley	Strengthening malaria microscopy in the malaria control programmes, South Africa
Thematic Area: Parasite Biology Chairperson: Prof J Freaan		
11:30 – 11:50	Mr M Tambo	Genetic fingerprinting of <i>Plasmodium falciparum</i> in Kavango East and Zambezi regions of Namibia to inform malaria elimination strategies
11:50 – 12:10	Dr J Niemand	Inducing controlled cell cycle arrest and re-entry during asexual blood stage development of malaria parasites, <i>Plasmodium falciparum</i> .
12:10 – 12:30	Ms T Malimabe	The effect of quinoxaline-phenyl hybrids on the life cycle of <i>Plasmodium</i> parasite and <i>Anopheles</i> vector
12:30 – 13:30	LUNCH AND POSTER VIEWING	
Thematic Area: Surveillance Chairperson: Dr S Silal		
13:30 – 13:50	Dr N Morris	Spatial trajectory of resurgent malaria in South Africa: enhanced surveillance requirements for elimination
13:50 – 14:10	Mr I Gwitira	GIS-based stratification of malaria risk zones for Zimbabwe
14:10 – 14:30	Riley Moepswa	Mapping for Resource Allocation in Malaria Elimination Campaigns: A Building Validation Exercise in Botswana
14:30 – 14:50	Mrs L Workman	Smart surveillance for malaria elimination (SS4ME): A pilot study in Mpumalanga province, South Africa a review of the first year
14:50 – 15:10	Ms T Adebayo	Temporal analysis of malaria incidence in four local municipalities of the Vhembe District, South Africa, 2005 - 2015.
15:10 – 15:30	TEA	
Thematic area: Surveillance & Modelling Chairperson: Dr N Morris		
15:30 – 15:50	Mr I Seocharan	Development of a data mining tool for malaria data in South Africa
15:50 – 16:10	Mr Erik Mabunda	Using a standardized checklist to strengthen capacity for malaria elimination in Limpopo Province, South Africa.
16:10 – 16:30	Dr S Silal	Supporting decision-making for malaria elimination in South Africa through an investment case
Close of Day 1		

Tuesday, 31 July 2018

8:00 – 8:50		Morning Tea
8:55 – 9:00	Introduction	
9:00 – 9:30	Plenary 2	Dr Roland Gosling Accelerating malaria elimination where it matters: The District
	Thematic Area: Regional Cross Border and Residual Malaria Chairperson: Dr D Moonasar	
9:30 – 9:50	Dr D Moonasar	At the Cross Roads of Malaria Elimination in South Africa
9:50 – 10:10	Ms N Zondo	Acceleration to Elimination in KwaZulu-Natal: Development of a Last Mile Strategy
10:10 – 10:30	Mr B Dlamini	An 8-country plan to meet malaria elimination targets of 2020; SADC Malaria Elimination 8 Regional Initiative
10:30 – 10:50		TEA
10:50 – 11:10	Dr J Raman	Identifying the drivers of residual malaria transmission in KwaZulu-Natal: preliminary findings from a prevalence survey
11:10 – 11:30	Erica Berlin	Defining the boundaries of local malaria transmission to inform targeted response strategies in the remaining hotspots in Okavango, Ngami and Chobe malaria endemic districts of Botswana
11:30 – 11:50	Ms M Chisenga	SADC E8 Regional Malaria Border Post Evaluation
11:50 – 12:10	Prof M Markus	Persisting Malaria Parasites: New Insights
12:10 - 12:30		Discussion
12:30 – 13:30		LUNCH AND POSTER VIEWING
	Thematic Area: Pharmacology, Drug Efficacy, Discovery & Development Chairperson: Prof L Birkholtz	
13:30 – 13:50	Dr D Coertzen	Artemisone and artemiside - potent pan-reactive antimalarial agents that also synergize redox imbalance in <i>P. falciparum</i> transmissible gametocyte stages
13:50 – 14:10	Dr C Le Manach	Identification of fast-acting compounds in the in vivo humanized <i>P. falciparum</i> NODscidIL2R mouse model for malaria from the 2,6-substituted imidazopyridine series
14:10 – 14:30	Dr M Kumar	Repositioning the antihistamine drug Astemizole as an anti-plasmodial agent
	Thematic Area: Social and Health Economics Chairperson: Mr V Lakan	
14:30 – 14:50	Sponsor Presentation	Bayer Environmental Science
14:50 – 15:10	Sponsor Presentation	Arysta LifeScience
15:10 – 15:30		TEA
	Thematic Area: Advocacy Chairperson: Dr T Kruger	
15:30 – 15:50	Dr T Kruger	Communicating malaria information through the use of modern, innovative tools to raise awareness and promote good health and well-being
15:50 – 16:10	Mr I Nkaiwa	Knowledge and preferences of malaria control interventions in Nata village, Botswana
		CONFERENCE DINNER
17:30 for 18:00	<u>Venue:</u> Genesis All- Suite Hotel and Conferencing, 10 Sandler Road, Fairmount, Johannesburg	
18:00 – 10:00	Formalities, Buffet dinner and networking	

Wednesday, 1 August 2018

7:45 – 8:25	Morning Tea	
8:25 – 8:30	Introduction	
8:30 – 9:00	Plenary 3	Mr Sherwin Charles Elimination - Getting Business on board
Thematic Area: Vector Biology, Control and Integrated Vector Management Chairperson: Prof R Maharaj		
9:00 – 9:20	Prof L Braack	Cattle-baited net traps better than human landing catches for monitoring vector mosquitoes in Limpopo Province
9:20 – 9:40	Dr M Sibanda	Development of a next generation piperonyl butoxide impregnated long lasting insecticide treated net
9:40 – 10:00	Ms BE Silva	Constructing Heat Shock Factor Double-stranded RNA for future knockdown studies in <i>Anopheles funestus</i> male mosquitoes to understand genitalia rotation
10:00 – 10:20	Prof I Kleinschmidt	Effectiveness and cost-effectiveness of targeted reactive IRS compared with generalised routine IRS - results from a cluster randomised trial
TEA		
10:30 – 10:50		
10:50 – 11:10	Prof R Maharaj	Field Evaluation of a New Insecticide Mixture: An alternative to DDT?
11:10 – 11:30	Dr T Kruger	Five years confirmed efficacy of pyrethroid-impregnated polyethylene wall-linings: What does that mean?
11:30 – 11:50	Dr M Kaiser	Mark-Release-Recapture to estimate population size of <i>Anopheles arabiensis</i> Males in Mamfene, KwaZulu-Natal, South Africa
11:50 – 12:10	Sponsor Presentation	Goodbye Malaria
12:10 – 12:30	Sponsor Presentation	Armada Health
LUNCH		
Thematic Area: Vector Biology, Control and Integrated Vector Management Chairperson: Mr G Munhenga		
13:10 – 13:30	Mr N.A Egyir	Susceptibility of <i>Anopheles</i> mosquito to some agricultural insecticides in the Adansi North District, Ghana
13:30 – 13:50	Dr S Oliver	The effects of organic pollutants on the life history of the <i>Anopheles gambiae</i> complex
13:50 – 14:10	Ms A Burke	The metabolic race: Do Southern African malaria vectors enter diapause in the dry-season?
14:10 – 14:30	Mr A Jeanrenaud	The relative pollutant resistant capacity of South African members of the <i>Anopheles gambiae</i> complex
14:30 – 14:50	Dr S Egieyeh	Towards the elimination of malaria: The computer aided drug design strategic search for the silver bullet
AWARDS		
14:50 – 15:10		
CLOSING REMARKS		
15:10 – 15:20		