

# THE 45<sup>TH</sup> ANNUAL CONFERENCE OF THE PARASITOLOGICAL SOCIETY OF SOUTHERN AFRICA

## PROGRAMME

### Sunday 28 August 2016

16:00-19:00 REGISTRATION

### Day 1 – Monday 29 August 2016

Time	Topic	Speaker
7:30	REGISTRATION OPEN	
8:00	<b>Keynote: An overview of recent applied parasitological studies on commercially exploited fish off southern Africa</b>	<b>Dr Carl van der Lingen</b>
<b>Applied Marine Parasitology</b>		
8:45	Parasites of Cape ( <i>Trachurus capensis</i> ) and Cunene ( <i>T. trecae</i> ) horse mackerel in the Benguela ecosystem	<b>Cecile Reed</b>
9:00	Using parasites as biological tags for examining population structure of Cape hakes <i>Merluccius capensis</i> and <i>M. paradoxus</i> off South Africa	<b>Larvika Singh</b>
9:15	Parasites of <i>Genypterus capensis</i> (Kingklip) and assessment of their potential as biological tags	<b>Sizo Sibanda</b>
9:30	Comparison of two different parasite processing methods for stock assessment of South African kingklip, <i>Genypterus capensis</i> (Smith 1874)	<b>Ayesha Mobara</b>
9:45	Investigating trophic interactions between parasites and their hosts using stable isotope analysis	<b>Mark Weston</b>
10:00	Investigating long-term host-parasite dynamics in odontocetes in southern Africa	<b>Inge Adams</b>
10:15	The development of a non-lethal diagnostic tool for the diagnosis of <i>Ichthyophonus hoferi</i>	<b>Nicholas Nicolle</b>
10:30	<b>TEA/POSTERS (30 MIN)</b>	
<b>Marine Parasite Biodiversity &amp; Taxonomy</b>		
11:00	A possible new species of <i>Trebius</i> (Siphonostomatoida: Trebiidae) infecting <i>Squalus acutipinnis</i> Regan, 1908 off South Africa	<b>Susan Dippenaar</b>
11:15	Review of the fish parasitic <i>Anilocra haemuli</i> (Crustacea: Isopoda: Cymothoidae) species complex from the Caribbean, using morphological and molecular techniques	<b>Rachel Welicky</b>
11:30	Morphology of a Hemiurid found in the stomach of monkfish, <i>Lophius vomerinus</i> in South Africa	<b>Pieter King</b>
11:45	A parasitic nematode (Dracunculoidea) affecting captive bowmouth guitarfish ( <i>Rhina ancylostoma</i> )	<b>Kevin Christison</b>
12:00	Eusocial behaviour of snapping shrimps parasitising sponges (Porifera)	<b>Jo van As</b>
12:15	<i>Fusarium solani</i> isolated from loggerhead sea turtles ( <i>Caretta caretta</i> ) in South Africa	<b>Mariska Laubsher</b>
12:30	The value of museum collections: Fish parasitic isopods of <i>Ceratothoa</i> Dana, 1852 (Crustacea, Isopoda, Cymothoidae) as a case in point	<b>Dr Kerry Hadfield Malherbe</b>
12:45	<b>LUNCH (60 MIN)</b>	
13:45	<b>Guest: Overview of marine mammal health studies in southern Africa</b>	<b>Dr Stephanie Plon</b>
<b>Freshwater Parasite Biodiversity &amp; Taxonomy</b>		
14:15	Blood parasites of freshwater fish in South Africa: The lack of information	<b>Luthando Bopheka</b>
14:30	Haemogregarine parasites parasitizing frogs of the Hyperoliidae (sedge and bush frogs) from South Africa	<b>Edward Netherlands</b>
14:45	Neotropical Polystomatidae: An introduction to the polystome diversity of South America with information on newly discovered species	<b>Louis du Preez</b>

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15:00	Parasite introduction to the endangered western leopard toad: Spill over or spill back?	Natasha Kruger
15:15	Morphological characters may provide new insights into chelonian polystome classification	Carina Coetzer
15:30	A comprehensive study of the parasitic mite <i>Xenopacarus africanus</i> (Acari: Ereyenetidae) parasitic in the African clawed frog <i>Xenopus laevis</i>	Jani Reeder
15:45	<b>TEA/POSTERS (30 MIN)</b>	
<b>Macroparasite Diversity &amp; Ecology</b>		
16:15	Comparative helminth composition and prevalence of indigenous and invasive synanthropic murid rodents in urban Gauteng Province, South Africa	Rolanda Julius
16:30	Diversity and seasonal abundance of nematodes from <i>Rhabdomys dilectus</i> in South Africa	Andrea Spickett
16:45	Gastrointestinal parasites infecting ungulates, felids and avian species at National Zoological Gardens of South Africa	Paballo Mosala
17:00	Species interactions within the parasite community of eastern rock sengis ( <i>Elephantulus myurus</i> )	Heike Lutermann
17:15	<b>POSTER SESSION WITH DRINKS (60 MIN)</b>	
18:15	<b>FREE TIME</b>	

## Day 2 – Tuesday 30 August 2016

Time	Topic	Speaker			
8:00	<b>Keynote: What are the factors driving parasite diversity?</b>	Prof Conrad Matthee			
<b>Parallel Session 1: Freshwater Parasite Biodiversity &amp; Taxonomy</b>		<b>Parallel Session 2: Medical &amp; Veterinary Parasitology</b>			
Time	Topic	Speaker	Time	Topic	Speaker
8:45	Introduced vs indigenous fish trichodinids (Ciliophora: Peritrichia) in southern Africa and Tasmania	Linda Basson	8:45	<i>Bartonella elizabethae</i> and <i>B. tribocorum</i> in <i>Rattus</i> -associated ectoparasites in Gauteng Province, South Africa	Asiashu Lithole
9:00	Assessment of <i>Trichodina heterodontata</i> Duncan, 1977 (Ciliophora: Peritrichia) using molecular and morphological taxonomy	Gerhard de Jager	9:00	The distribution of African horse sickness vectors in the protection and surveillance zones of the Western Cape Province, South Africa	Karien Labuschagne
9:15	A morphometric analysis of gill monogeneans infecting the redbelly tilapia, <i>Tilapia zillii</i> (Gervais, 1848) from Lake Naivasha, Kenya: New biogeographical records	Nehemia Rindoria	9:15	Redescription, molecular characterisation and taxonomic re-evaluation of a unique African monitor lizard haemogregarine <i>Karyolysus paradoxa</i> (Dias, 1954) n. comb. (Karyolysidae)	Courtney Cook

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9:30	The Diplozoinea of Africa – Solving the puzzle	<b>Quinton Dos Santos</b>	9:30	Molecular and morphological description of a likely new <i>Trypanosoma</i> sp. in <i>Cordylus tropidosternum</i> (Sauria: Cordylidae)	<b>Nokofa Makhahlela</b>
9:45	Effect of metal exposure on hatchability and survival of oncomiracidia of <i>Paradiplozoon ichthyoxanthon</i> (Monogenea; Diplozoidae) from the Vaal Dam: Field meets laboratory	<b>Beric Gilbert</b>	9:45	<i>Hepatozoon</i> species (Apicomplexa: Adeleorina: Hepatozoidae) infecting wild and captive leopards <i>Panthera pardus pardus</i> (Linnaeus, 1758) from the Free State, Limpopo and Mpumalanga, South Africa	<b>Michelle van As</b>
10:00	Effect of constant temperatures on <i>Bulinus globosus</i> – <i>Schistosoma haematobium</i> system: Implications for parasite transmission	<b>Chester Kalinda</b>	10:00	Plasmodiid infections of Afromontane raptors in the eastern Free State, South Africa	<b>Teboho Lovemore</b>
10:15	<i>Tarebia granifera</i> – A successful invader free of parasite burdens and its implications for trematode transmission in the Lower Phongolo River and floodplain	<b>Christian Selbach</b>	10:15	Membrane-active chelators tighten brain microvascular endothelial barriers to African trypanosome infection	<b>Dennis Grab</b>
<b>10:30 TEA (30 MIN)</b>					
<b>Parallel Session 3: Freshwater Parasite Biodiversity &amp; Taxonomy</b>			<b>Parallel Session 4: Molecular Parasitology</b>		
11:00	Brain infections with <i>Tylodelphys</i> spp. in <i>Clarias gariepinus</i> and <i>Nothobranchius orthonotus</i> from the Lower Phongolo River	<b>Olena Kudlai</b>	11:00	Molecular detection of <i>Anaplasma</i> , <i>Babesia</i> , <i>Neorickettsia</i> and <i>Theileria</i> infections in horses and donkeys in South Africa	<b>Malitaba Mlangeni</b>
11:15	Clinostomid metacercariae and larval <i>Contracaecum</i> sp. infecting the Cape kurper <i>Sandelia capensis</i> Cuvier, 1831	<b>Candice Jansen van Rensburg</b>	11:15	Molecular characterisation, morphological description and life cycle elucidation of <i>Hepatozoon</i> (Apicomplexa: Adeleorina) infections in three African snakes	<b>Johann van As</b>
11:30	Nematoda in fish from the Okavango River System, Botswana	<b>Liesl van As</b>	11:30	Molecular analysis of cercarial stages of digenean trematodes from snails collected around the Tshwane area	<b>Baratwa Moema</b>
11:45	<i>Chonopeltis</i> larval development: Spot the differences	<b>Louelle Neethling</b>	11:45	Msp1aS genotyping of <i>Anaplasma centrale</i> indicates a wildlife reservoir	<b>Khumalo Zamantungwa</b>

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12:00	<i>Neoergasilus japonicus</i> feeding structures and the associated pathology	<b>Annemarie Avenant-Oldewage</b>	12:00	Detection and molecular characterization of <i>Anaplasma phagocytophilum</i> in domestic dogs from the Mnisi community area, Mpumalanga Province, South Africa	<b>Mamohale Chaisi</b>
12:15	Former Katanga Province in the Democratic Republic of Congo – rich in diversity and life! Preliminary results on freshwater fish parasite diversity	<b>Wilmien Powell</b>	12:15	Molecular epidemiology of tick-borne pathogens infecting predators at the farmland interface	<b>Storme Viljoen</b>
12:30	Seasonal variation in metazoan parasite occurrence of tigerfish in Lake Kariba, Zimbabwe	<b>Nyasha Mabika</b>	12:30	Metagenomic diagnosis of microbiota of horse flies (Diptera: Tabanidae) collected in north-eastern KwaZulu-Natal, South Africa	<b>Moeti Taioe</b>
<b>12:45</b>	<b>LUNCH (60 MIN)</b>				
<b>13:45</b>	<b>Guest: Consistently high prevalence of parasitic agents of infectious diarrhoea: The case of the Vhembe District in Limpopo</b>				<b>Prof. Amidou Samie</b>
<b>Medical &amp; Veterinary Parasitology</b>					
14:15	<i>Leishmania</i> vaccine development using machine learning algorithms				<b>Webster Nyakudya</b>
14:30	Validation of a urine circulating cathodic antigen cassette test for detection of <i>Schistosoma haematobium</i> in uMkhanyakude district of South Africa				<b>Owen Rubaba</b>
14:45	The influence of life history characteristics on flea (Siphonaptera) species distributions				<b>Luther van der Mescht</b>
15:00	Prevalence of gastro-intestinal parasites of livestock and dogs and risk factors for transmission with emphasis on <i>Giardia</i> and <i>Cryptosporidium</i> in Magude District, Maputo Province, Mozambique				<b>Regina Miambo</b>
<b>15:15</b>	<b>TEA (30 MIN)</b>				
15:45	Host immune responses induced in mice mono- and co-infected with <i>Trichinella zimbabwensis</i> and <i>Plasmodium berghei</i> ANKA				<b>Samson Mukaratirwa</b>
16:00	Prevalence and phylogenetic background of <i>Besnoitia besnoiti</i> isolates from different geographical regions of South Africa				<b>Mokgadi Malatji</b>
16:15	Early differential changes in microvascular barrier function in response to Dengue virus				<b>Dennis Grab</b>
<b>16:30</b>	<b>AGM (60 MIN)</b>				
<b>17:30</b>	<b>FREE TIME</b>				
<b>18:30</b>	<b>GALA DINNER</b>				

## Conference secretariat



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Registration and administration

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