



SUSTAINABLE APPROACHES TOWARDS HEALTHY AFRICAN COMMUNITIES

Pre-conference Symposium Program

Session number	Session theme	Speaker
Monday 4 November: Pre-conference Symposium		
08:00-13:00	Registration open for Pre-conference symposium and Conference	
08:00-08:30	TEA, COFFEE and SNACKS	
08:30-13:00	Student Mini-symposium: Endocrine disrupting chemicals The symposium will give the background to EDCs, mechanisms of action, emerging contaminants and new developments in the field.	Chairpersons: Riana Bornman Sean Patrick
08:30-08:40	Welcome address	Natalie Aneck-Hahn
08:40-09:10	Introduction to EDCs and the complexity of mixture effects/exposures	Andreas Kortenkamp (UK)
09:10-09:40	Unconventional actions of environmental estrogens via estrogen receptors	Angel Nadal (Spain)
09:40-10:10	Studying EDCs within the concept of One Health	Juliette Legler (Netherlands)
10:10-10:30	TEA	
10:30-11:00	The art and science of publishing your research findings	Sally Darney (USA)
11:00-11:30	How to publish your research	Robert Millar (SA)
11:30-12:00	Regulation, Industry, & Manufactured Doubt	Laura Vandenberg (USA)
11:30-12:30	Round table discussion -Student and mentor session <ul style="list-style-type: none"> • Introduction to session • Mentors available for discussion with students 	Chairpersons: Andreas Kortenkamp Sean Patrick Mentorship panel: Laura Vandenberg (USA) Riana Bornman (SA) Sally Darney (USA) Juliette Legler (Netherlands) Angel Nadal (Spain) Robert Millar(SA)
12:30-13:00	LUNCH	
13:00-18:00	Free time or optional excursion	



SUSTAINABLE APPROACHES TOWARDS HEALTHY AFRICAN COMMUNITIES

Conference Program

Monday 4 November: Opening of the conference		
18:00-18:30	Registration	
18:45-19:00	Welcome address	Natalie Aneck-Hahn
19:00-19:30	Sustainable approaches towards healthy African communities: SDG 3.9	Tiaan de Jager (SA)
19:30-20:00	Future Africa –themes and goals	Stephanie Burton
20:00-21:30	Welcoming reception (cocktail)	



SUSTAINABLE APPROACHES TOWARDS HEALTHY AFRICAN COMMUNITIES

Conference Program

Tuesday 5 November: Day 1		
Session number	Session theme	Speaker
08:00-09:00	Registration TEA, COFFEE and SNACKS	
Session 1	2019 – Where are we now? (current status of EDCs)	Chairpersons: Juliette Legler Tiaan de Jager
09:00-09:20	Welcome and housekeeping	Natalie Aneck-Hahn
09:20-09:40	Indoor residual spraying, DDT and pyrethroids and human health: what have we learned?	Riana Bornman (SA)
09:40-10:00	Cross-continental collaborations – a guide to applying NIEHS funding for sustainable EDC research	Thad Schug (USA)
09:30-09:50	Endocrine disruptors in the EU – an update on the state of affairs	Andreas Kortenkamp (UK)
09:50-10:05	Session panel discussion (15 min)	
10:05-10:35	Tea and poster presentation session 1	
Session 2	The fetus, the child, the adult	Chairpersons: Sally Darney Sean Patrick
10:35-10:55	EDC disturbance of beta-cells and risk of diabetes	Angel Nadal (Spain)
10:55-11:15	Hypospadias in the VHEMBE Birth Cohort Study, Limpopo, South Africa	Riana Bornman (SA)
11:15-11:35	Complex pesticide mixtures in a malaria endemic area: Is there a reason for concern?	Tiaan de Jager (SA)
11:35-11:55	Epigenetics effects in males exposed to organochlorine pesticides - new work	Sarah Kimmins (Canada)
11:55-12:05	Calretinin is a novel candidate marker of adverse ovarian effects of early life exposure to mixtures of endocrine disruptors – <i>poster presentation</i>	Hanna Johansson (Denmark)
12:05-12:20	Session panel discussion (15 min)	
12:20-13:20	Lunch	

Session 3	Persistent & Forever chemicals	Chairpersons: Laura Vandenberg Riana Bornman
13:20-13:40	Testing strategies for EDCs: European Cluster to Improve Identification of Endocrine Disruptors (EURION)	Juliette Legler (Netherlands)
13:40-14:00	Endocrine disruptor exposure, nutrition and epigenetics in a rural South African context	Una McIntyre (SA)
14:00-14:20	Innovative and Predictive Effect Based Monitoring for Water Chemical Mixtures: From research to implementation to promote paradigm shift in Toxicity & Safety Frameworks	Armelle Hebert (France)
14:20-14:30	<i>DDT and its metabolites in the control of Malaria, a controversy of the 21st century – poster presentation</i>	Esper Ncube (SA)
14:30-14:45	Session panel discussion (15 min)	
14:45-15:15	Tea time and poster presentation session 2	
15:15	Networking time	Optional excursion**

**Optional excursions: contact Zelda at Savanna Skills (zelda@savannaskills.co.za) or at conference reception desk



SUSTAINABLE APPROACHES TOWARDS HEALTHY AFRICAN COMMUNITIES

Conference Program

Wednesday 6 November: Day 2		
08:00-08:30	Registration (Day registrations) TEA, COFFEE and SNACKS	
Session number	Session theme	Speaker
Session 4	Wildlife animal exposures – biomarker alerts	Chairpersons: Sarah Kimmins Rialet Pieters
08:30-08:50	EDCs and placental function	Heather Patisaul (USA)
08:50-09:10	The unintentional exposure effects of pharmaceuticals in the environment	Ina Wagenaar (SA)
09:10-09:20	Impacts of per- and polyfluoroalkyl substances (PFAS) exposures in fish and alligators.	Scott Belcher (USA)
09:20-09:30	<i>Exposure to Low Doses of Oxybenzone During Perinatal Development Alters Mammary Gland Morphology in Male and Female Mice - poster presentation</i>	Klara Matouskova (USA)
09:30-09:40	<i>Effects of antiretroviral drug, efavirenz on the health of Oreochromis mossambicus using biometric and haematological indices as biomarkers – poster presentation</i>	Khesa Pitso (SA)
09:40-10:00	Session panel discussion (20 min)	
10:00-10:30	Tea and poster presentation session 3	
Session 5	Hormone dependent cancers	Chairpersons: Andreas Kortenkamp Zodwa Dlamini
10:30-10:50	Prostate cancer genomics in South Africa – are we seeing signatures of EDC/steroid exposure?	Vanessa Hayes (Australia)
10:50-11:10	EDCs and the breast: lessons for the global community	Laura Vandenberg (USA)
11:10-11:30	The Pan African Cancer Research Institute (PACRI)	Zodwa Dlamini (SA)
11:30-11:50	Session panel discussion (20 min)	

11:50-12:15	Group photo	
12:00-12:30	Poster presentation 4	
12:30-13:15	Lunch	
Session 6	Emerging problems I	Chairpersons: Bob Millar Heather Patisaul
13:15-13:35	Assessing adverse environmental- and public health concerns of emerging micro-pollutants in South Africa using urban water profiling	Edward Archer (SA)
13:35-13:55	Packaging materials: A potential risk for uninformed consumers	Catherina Van Zijl (SA)
13:55-14:15	Bio-sensing Oxidative stress & inflammation triggered by residual Chlorine in French Distribution Networks	Armelle Hebert (France)
14:15-14:25	An investigation of endocrine disruptive potential of water collected from Nile crocodile farms in Southern Africa - <i>poster presentation</i>	Christoff Truter (SA)
14:25-14:35	Androgenic and glucocorticoid receptor activity of water containing agricultural chemicals - <i>poster presentation</i>	Suranie Horn (SA)
14:35-14:45	Pharmaceuticals as endocrine disruptors -antidepressants and statins as model drug classes - <i>poster presentation</i>	Bjarne Styris have (Denmark)
14:45-14:55	Exposure assessment of pharmaceuticals in the Mhlathuze and Thukela catchments, Kwazulu-Natal (KZN) - <i>poster presentation</i>	Lungelo Nsibande (SA)
14:55-15:15	Session panel discussion (20 min)	
15:15-15:30	Tea	
Session 7	Emerging problems II	Chairpersons: Nonhlanhla Kalebaila Armelle Hebert
15:30-15:40	Reproductive Endocrine Disrupting Effects of the Azole Fungicide Flusilazole In Vitro and In Vivo - <i>poster presentation</i>	Terje Svingen (Denmark)
15:40-15:50	Mancozeb in natural water sources in the Vhembe District and the possible endocrine disrupting activity/potential there-of - <i>poster presentation</i>	Flesher Seshoka (SA)
15:50-16:00	Determination of Endocrine Disrupting Compounds in the Freshwater Bodies in Eastern Cape Province of South Africa - <i>poster presentation</i>	Nhamo Mutingwende (SA)
16:00-16:10	Investigation into the efficacy of an MBBR on the removal of specific antiretroviral compounds and addressing their toxicity - <i>poster presentation</i>	Herman Mokgope (SA)
16:10-16:30	Session panel discussion	
17:30 for 18:00	Gala Dinner – Future Africa	



SUSTAINABLE APPROACHES TOWARDS HEALTHY AFRICAN COMMUNITIES

Conference Program

Thursday 7 November: Day 3		
08:00-08:30	Registration (Day registrations) TEA, COFFEE and SNACKS	
Session 8	Environmental perspectives	Chairpersons: Angel Nadal Tiaan de Jager
08:30-08:50	Hormone receptor binding by compounds from public swimming pool water	Rialet Pieters (SA)
08:50-09:10	Aquatic health perspectives in the northern Limpopo Province – What is in the water?	Irene Barnhoorn (SA)
09:10-09:30	Water Quality and Health program: EDC research	Nonhlanhla Kalebaila (SA)
09:30-09:50	Health risk assessment of EDC in food chains	Alberto Mantovani (Italy)
09:50-10:05	Session panel discussion	
10:05-10:30	Tea	
Session 9	Translational research to sustainable policy	Chairpersons: TBC
10:30-10:50	Enforcing country capacity building of African Decision Makers on Environmental Health stakes: Call for intersectorial action to implement environmental determinants of health in all public policies	Armelle Hebert (France)
10:50-11:10	Endocrine disrupting chemicals: the plea for bottom up movement in (data) poor countries	Igbiri Sorbari (Nigeria)
11:10-11:30	Environmental Health Research: Keeping It Relevant and Making It Count	Sally Darney (USA)
11:30-11:50	Research into policy in the South African Water sector	Dhesigan Naidoo (SA)
11:50-12:10	Session panel discussion	
12:10-13:00	Lunch	
Session 10	In summary:	Chairperson: Sally Darney
13:00-13:30	Opportunities for collaboration and capacity building in Africa: Panel discussion	Tiaan de Jager Juliette Legler

		Laura Vandenberg Andreas Kortenkamp Armelle Hebert Riana Bornman WRC representative
13:30-13:50	Meeting summary, final comments and future directions	Sally Darney
13:50-14:00	Closure and thanks	Natalie Aneck-Hahn