

**3rd International Whitefly Symposium 2018**  
**16 -19 September 2018**  
**Esplanade Hotel Fremantle by Rydges**  
**Fremantle, Australia**

*Program updated 05/09/2018*

Start	Finish	<b>SUNDAY 16 SEPTEMBER 2018</b>		Start	Finish
16:00	18:30	Registration Opens Marine Lounge Bar		16:00	19:00
17:30	18:30	Welcome Drinks		17:30	18:30
Start	Finish	<b>MONDAY 17 SEPTEMBER 2018</b>		Start	Finish
8:00	16:30	Registration Opens		8:00	16:30
<b>Sirus Room</b>					
8:30	8:35	Symposium Welcome Laura Boykin		8:30	8:35
8:35	8:50	Official Symposium Opening Ceremony Professor Peter Klinken - Chief Scientist		8:35	8:50
8:50	9:35	71: Engendering a Diversity Lens to Improve Agriculture Prosperity – lessons from AWARD <b>Dorothy Mukhebi</b>		8:50	9:35
9:35	11:20	<b>Biology, Ecology and Invasion Biology- Chairperson- Marie Connett</b>		9:35	11:20
<b>Sirus Room</b>					
9:35	10:20	72: Why it is critical to understand the biology and ecology of <i>Bemisia tabaci</i> in smallholder farming systems <b>Peter Sseruwagi</b>		9:35	10:20
10:20	10:35	12: What has changed in the outbreaking populations of the severe crop pest whitefly species on cassava in two decades? <b>Hadija Ally</b>		10:20	10:35
10:35	10:50	47: Ecological considerations for designing research questions and sampling plans to investigate the <i>Bemisia tabaci</i> species complex. <b>Alana Jacobson</b>		10:35	10:50
10:50	11:05	20: Silver leaf whitefly predation: a DNA approach to its evaluation <b>Tanya Smith</b>		10:50	11:05
11:05	11:35	Morning Tea		11:05	11:35
11:35	12:20	<b>Biology, Ecology and Invasion Biology- Chairperson- Patrick Chikoti</b>		11:35	12:20
<b>Sirus Room</b>					
11:35	11:50	68: African Cassava Genotypes Expressing Whitefly Resistance <b>Catherine Gwandu</b>		11:35	11:50
11:50	12:05	13: Early embryonic development in <i>Bemisia tabaci</i> <b>Rebecca Corkill</b>		11:50	12:05
12:05	12:20	18: Characterization of genes encoding small heat shock proteins from <i>Bemisia tabaci</i> and expression under thermal stress <b>Jing Bai</b>		12:05	12:20
12:20	12:30	IWS3 Group Photo		12:20	12:30
12:30	13:30	Lunch		12:30	13:30
13:30	14:30	<b>Whitefly Virus interactions 1- Chairperson- Hélène Delatte</b>		13:30	14:30
<b>Sirus Room</b>					
13:30	13:45	4: Proteomic analysis of the interactions between TYLCV CP and its vector proteins reveals the role of Tid in constraining viral retention <b>Jing Zhao</b>		13:30	13:45
13:45	14:00	31: Whitefly transmission, host range, and cloning of a <i>Datura</i> isolate of the torradovirus, tomato necrotic dwarf virus <b>William Wintermantel</b>		13:45	14:00
14:00	14:15	5: Comparison of transovarial transmission of Tomato yellow leaf curl virus by seven cryptic species of the <i>Bemisia tabaci</i> whitefly complex indigenous to China <b>Qi Guo</b>		14:00	14:15
14:15	14:30	62: Performance of <i>Bemisia tabaci</i> MEAM1 and <i>Trialeurodes vaporariorum</i> on healthy and Tomato chlorosis virus infected tomato plants and efficiency of virus transmission <b>Renate Krause-Sakate</b>		14:15	14:30
14:30	15:30	Poster Session- Chairpeople- Ibrahim Umar Mohammed and Peter Sseruwagi		14:30	15:30

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Start	Finish	<b>TUESDAY 18 SEPTEMBER 2018</b>	Start	Finish
8:00	16:30	<b>Registration Opens</b>	8:00	16:30
<b>Sirus Room</b>				
8:30	10:00	<b>Whitefly Virus interactions 1- Chairperson- Dorothy Mukhebi</b>	8:30	10:00
8:30	9:15	70: Changing a paradigm in plant virus transmission: an aphid-borne polerovirus switches its vector to the whitefly <i>Bemisia tabaci</i> <b>Murad Ghanim</b>	8:30	9:15
9:15	9:30	65: The whitefly transmitted Cowpea mild mottle virus can be an important component to reduce productivity of soybean in Brazil <b>Renate Krause-Sakate</b>	9:15	9:30
9:30	9:45	69: Real time portable genome sequencing for global food security <b>Laura Boykin</b>	9:30	9:45
9:45	10:00	58: Unusual occurrence of a DAG motif in the Ipomovirus Cassava brown streak virus <b>Monica Kehoe</b>	9:45	10:00
10:00	10:30	Morning Tea	10:00	10:30
10:30	12:30	<b>Whitefly Plant Interactions- Chairperson- Tonny Kinene</b>	10:30	12:30
<b>Sirus Room</b>				
10:30	11:15	61: Panoramic situation of whiteflies in Brazil and the efficiency of the different cryptic species to transmit viruses <b>Renate Krause-Sakate</b>	10:30	11:15
11:15	11:30	2: Influence of plant-produced volatile chemicals towards host-selection behaviour of the cassava whitefly <i>B. tabaci</i> <b>Latifa Mrisho</b>	11:15	11:30
11:30	11:45	46: Nymph mortality - a potent mechanism of whitefly resistance in <i>Medicago sativa</i> L. (alfalfa) <b>Linda Walling</b>	11:30	11:45
11:45	12:00	21: Indirect whitefly/plant interactions: honeydew related factors affecting cotton lint quality and options for mitigation <b>Simone Heimoana</b>	11:45	12:00
12:00	12:15	59: Evaluation of whitefly parasitism on weeds, cassava and other crops in the field <b>Yolice Tembo</b>	12:00	12:15
12:15	13:15	Lunch	12:15	13:15
<b>Sirus Room</b>				
13:15	14:30	<b>Management, Control and IPM 1- Chairperson Alana Jacobson</b>	13:15	14:30
13:25	13:30	38: Enhancing Watermelon with Resistance against Whiteflies <b>Alvin Simmons</b>	13:25	13:30
13:30	13:45	50: Biological Control Informed Thresholds for Enhancing IPM of Whiteflies in Cotton <b>Peter Ellsworth</b>	13:30	13:45
13:45	14:00	53: Implementing an IPM program for Silverleaf whitefly in vegetable crops <b>Siva Subramaniam</b>	13:45	14:00
14:00	14:15	52: Audacious Insect Control Approaches for an Impatient Optimist <b>Marie Connett</b>	14:00	14:15
14:15	14:30	57: Management of Cowpea mild mottle virus and the whitefly vector in beans <b>Peter Ninmo</b>	14:15	14:30
14:30	15:00	Short Break	14:30	15:00
<b>Sirus Room</b>				
15:00	16:30	<b>Management, Control and IPM 2- Chairperson Jing Bai</b>	15:00	16:30
15:00	15:45	74: Expression of an insecticidal fern protein in cotton protects against whitefly <b>Manisha Mishra</b>	15:00	15:45
15:45	16:00	23: <i>Bemisia tabaci</i> insecticide resistance management in Australian cotton <b>Jamie Hopkinson</b>	15:45	16:00
16:00	16:15	41: Field evaluation of synergists to overcome pyrethroid resistance in silverleaf whitefly <b>Siva Subramaniam</b>	16:00	16:15
16:15	16:30	45: Knockdown of gut dsRNAses to improve feeding RNAi efficiency of osmoregulatory genes in <i>B. tabaci</i> <b>Mridula Gupta</b>	16:15	16:30

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Start	Finish	<b>WEDNESDAY 19 SEPTEMBER 2018</b>	Start	Finish
8:00	16:00	<b>Registration Opens</b>	8:00	16:00
<b>Sirus Room</b>				
8:30	9:15	6: SNP-genotyping using NextRAD sequencing unravels the genetic diversity of cassava-colonizing <i>Bemisia tabaci</i> <b>Everlyne Wosula</b>	8:30	9:15
9:15	10:00	<b>Systematics and Evolution- Chairperson Yolice Tembo</b>	9:15	10:00
<b>Sirus Room</b>				
9:15	9:30	16: Quality control of molecular data for defining <i>Bemisia tabaci</i> cryptic species status <b>Wee Tek Tay</b>	9:15	9:30
9:30	9:45	55: Patterns of conflict between nuclear and mitochondrial cytochrome oxidase I (mtCOI) DNA phylogenies in <i>Bemisia tabaci</i> species complex <b>Tonny Kinene</b>	9:30	9:45
9:45	10:00	67: Genetic diversity of mitochondrial DNA of <i>Bemisia tabaci</i> (Gennadius) (Homoptera: Aleyrodidae) associated with cassava and occurrence of cassava mosaic disease in Zambia <b>Patrick Chikoti</b>	9:45	10:00
10:00	10:30	Morning Tea	10:00	10:30
10:30	12:30	<b>Genomes- Chairperson - Chairperson Denis Persley</b>	10:30	12:30
<b>Sirus Room</b>				
10:30	11:15	29: Common and distinct gene expression changes in whitefly ( <i>Bemisia tabaci</i> , MEAM1) after feeding on three virus-host plant combinations, and whitefly control through RNAi <b>Navneet Kaur</b>	10:30	11:15
11:15	11:30	34: CRISPR/Cas9-mediated Genome Editing in the Whitefly, <i>Bemisia tabaci</i> <b>Peter Atkinson</b>	11:15	11:30
11:30	11:45	36: Genome-wide profiles of miRNAs and piRNAs in whitefly <i>Bemisia tabaci</i> in response to feeding on tomato plants infected with Tomato yellow leaf curl virus <b>Kai-Shu Ling</b>	11:30	11:45
11:45	12:00	43: Silencing of Vitellogenin Gene In <i>Bemisia Tabaci</i> (Gennadius) Inhibits Fecundity And Egg Hatching <b>Vikas Jindal</b>	11:45	12:00
12:00	12:15	73: Optimum field sampling of <i>Bemisia tabaci</i> (Gennadius) (Hemiptera: Aleyrodidae) populations: A management decision tool <b>Peter Sseruwagi</b>	12:00	12:15
12:15	12:30	77: NURU, an artificial intelligence system for diagnosis of plant diseases and pests <b>Latifa Mrisho</b>	12:15	12:30
12:30	13:30	Lunch	12:30	13:30
13:30	15:30	<b>Management, Control and IPM 3- Chairperson Vikas Jindal</b>	13:30	15:30
<b>Sirus Room</b>				
13:30	13:45	76: Using simulation modelling to inform best management practice for the introduction of whitefly-resistant Cassava varieties <b>Hazel Parry</b>	13:30	13:45
13:45	14:00	22: An overview of <i>Bemisia tabaci</i> (Gennadius) MEAM1 (silverleaf whitefly) management in Australian cotton: past, present and future <b>Richard Sequeira</b>	13:45	14:00
14:00	14:15	44: Managing Whitefly, <i>Bemisia Tabaci</i> Through Implementation of Integrated Pest Management In Indian Punjab <b>Vijay Kumar</b>	14:00	14:15
14:15	14:30	51: Automated whitefly counting - an evaluation of 3 methods <b>Solomon Nsumba</b>	14:15	14:30
14:30	14:45	10: Resistance to insecticides of MEAM1 and IO whitefly species (Hemiptera: Aleyrodidae) in La Réunion <b>Alizee Taquet</b>	14:30	14:45
14:45	15:00	28: Threats to vegetable production from whitefly-transmitted viruses in the southeastern United States: Insights into whitefly-virus interactions and epidemics <b>Rajagopalbabu Srinivasan</b>	14:45	15:00
15:00	15:30	Closing Ceremony IWS4 Location	15:00	15:30
19:00	23:00	Symposium Dinner	19:00	23:00