

Scientific Program Entomol 6-SOVE Brazil 2016

Tuesday October 25 th				Wednesday October 26 th				Thursday October 27 th				Friday October 28 th			
Section 1 Surveillance and mosquito control				Section 3 Interaction pathogen-vector and vector competence				Section 5 Vector molecular biology, biochemistry and physiology				Section 7 "Science without Borders" PVE meeting			
Chair: Sinval Brandão (FIOCRUZ-PE) & Paulo Pimenta (FIOCRUZ-MG)				Chair: Major Dhillon (Northwest LA Abatement District/USA) & Constança Ayres (FIOCRUZ-PE)				Chair: Pedro L. Oliveira (UFRJ-RJ) & Yara Traub-Cseko (FIOCRUZ-RJ)				Chair: Paulo Pimenta (FIOCRUZ-MG) & Jeffrey Shaw (USP)			
8:30-09:30 Opening conference				8:30-09:30 Conference				8:30-09:30 Conference				8:30-12:30 Oral presentations			
08:30	Marcelo Jacobs-Lorena	John Hopkins University /USA	What a peptide library taught us about <i>Plasmodium</i> development	Mawlouth Diallo	Institut Pasteur Dakar/Senegal	Zika virus in Africa: mosquitos species potentially involved in transmission	David Sacks	NIH/USA	The biology of mating in <i>Leishmania</i>	08:30	Petr Volf	Charles University/Czech Republic	<i>Lutzomyia migonei</i> is a permissive vector competent for <i>Leishmania infantum</i>		
09:30-12:30 Oral presentations				09:30-12:30 Oral presentations				09:30-12:30 Oral presentations				09:00			
09:30	Eleonora Flacio	LMA/SUPSI/Switzerland	Strategies and results of the sixteen years <i>Aedes albopictus</i> surveillance programme in southern Switzerland	Constância F. J. Ayres	FIOCRUZ-PE/Brazil	Zika virus in Brazil: investigation of mosquitos species potentially involved in transmission	Mário A. C. Silva-Neto	UFRJ/Brazil	AMPK-mediated autophagy: a key step on the regulation of midgut microbiota in the early days of mosquito life on the land	09:30	Fabiano Oliveira	NIH/USA	Comparative analysis of the salivary gland and midgut transcriptomes from <i>Lutzomyia longipalpis</i>		
09:50	Steve Mulligan	Mosquito Control Manager, Selma CA/USA	<i>Aedes aegypti</i> in California: Novel strategies in response to a new invasion	Paulo Pimenta	FIOCRUZ-MG/Brazil	Vectorial competence of mosquitos from two Brazilian endemic risk cities (Manaus and Belo Horizonte) for Dengue and Zika virus	Fernando A. Genta	FIOCRUZ-RJ/Brazil	Everybody loves sugar: carbohydrate digestion and control of vector-borne diseases	10:30	Gordon Hamilton	University of Lancaster/UK	Progress towards using sex pheromone for controlling <i>L. longipalpis</i>		
10:10	Uli Bernier	USDA, USA	Development of new skin and clothing repellents for protection from mosquito bites	Walter Leal	University of California Davis CA/USA	Zika & repellents	Marcos Horácio	UFMG-Brazil	Feeding behaviour of disease vectors		David Sacks	NIH/USA	The role of the midgut microbiota in sand fly vector competence		
10:30-10:50 Break				10:30-10:50 Break				10:30-10:50 Break				10:30-11:00 Break			
10:50	Walderli P. Tadei	INPA/AM/Brazil	Anopheles and malaria control in the Brazilian Amazon	Amy Morrison	University of California Davis CA/USA	Targeting <i>Aedes aegypti</i> adults: control success and failures in Iquitos, Peru	Pedro L. Oliveira	UFRJ/Brazil	Genome-wide analysis of <i>Rhodnius prolixus</i> gut gene expression: Influences of the blood meal and Trypanosome infection	11:00	Douglas E. Norris	Johns Hopkins University/USA	Xenomonitoring for controlling vector populations: targeting competent vectors for Dengue		
11:10	Cláudia M. F. de Oliveira	FIOCRUZ-PE/Brazil	Xenomonitoring of <i>Culex quinquefasciatus</i> in the Lymphatic Filariasis Elimination Program in Recife	Carl Lowenberger	Simon Fraser University	Flipping the phenotype: How modifying gene expression in <i>Aedes aegypti</i> can create mosquitoes that are refractory to arbovirus transmission	Yara Traub-Cseko	FIOCRUZ-RJ/Brazil	Aspects of <i>Lutzomyia longipalpis</i> -pathogen interaction	11:30	Marcelo Jacobs-Lorena	John Hopkins University/USA	Fighting malaria with engineered symbiotic bacteria from vector mosquitoes		
11:30	Douglas E. Norris	Johns Hopkins University/USA	Underestimation of foraging behavior by standard field methods in malaria vector mosquitoes in southern Africa	Gregory Lanzaro	University of California Davis CA/USA	The evolution of <i>Anopheles</i> immunity	Gustavo Rezende	UENF Darcy Ribeiro/Brazil	Distinct levels of desiccation resistance in eggs of <i>Aedes</i> , <i>Anopheles</i> and <i>Culex</i> mosquitoes	12:00	Gregory Lanzaro	University of California Davis CA/USA	Immune gene polymorphism in natural populations of <i>Anopheles darlingi</i>		
11:50	Norbert Becker	KABS/Germany	Surveillance and control of <i>Aedes albopictus</i> in Germany	Luis Villegas	FIOCRUZ-MG/Brazil	The dynamic <i>Anopheles</i> population: exploring the bacterial community associated to <i>Anopheles aquasalis</i> , a Neotropical Malaria transmission model	Carlos Logullo	UENF Darcy Ribeiro/Brazil	The energetic metabolism control in arthropod embryos						
12:10							Maria Helena N. L. Silva-Filha	FIOCRUZ-PE/Brazil	Functional diversity of ortholog mosquito alpha-glucosidases						
12:30-14:00 Lunch				12:30-14:00 Lunch				12:30-14:00 Lunch				12:40 14:00 - Lunch			
Section 2 New approaches for mosquito control				Section 4 Vector biology, genetics and bioinformatics				Section 6 Biology and eco-epidemiology of sandflies				Section 8 SOVE Brazil Plenary			
Chair: Maria Helena Neves & Maria Alice Varjal (FIOCRUZ-PE)				Chair: Valdir Q. Balbino (UFPE) & Iliano Torres (NIH/USA)				Chair: Filipe Dantas Torres (FIOCRUZ-PE) & Nágila Secundino (FIOCRUZ-MG)				Chair: Sinval Brandão (FIOCRUZ-PE), Major Dhillon (Northwest LA Abatement District/USA) & Paulo Pimenta (FIOCRUZ-MG)			
14:00-15:00 Conference				14:00-15:00 Conference				14:00-15:00 Conference				14:00-16:00 SOVE Brazil plenary, next meetings			
14:00	Major S. Dhillon	Northwest LA Abatement District/USA	Bridging the gap between Research and Control	Gregory Lanzaro	University of California Davis CA/USA	Maintenance of diversity and speciation with gene flow: lessons from studies of mosquito population genetics	Petr Volf	Charles University/Czech Republic	Salivary proteins of sand flies and antibody response in bitten hosts						
15:00-18:20 Oral presentations				15:00-18:20 Oral presentations				15:00-18:20 Oral presentations							
15:00	Rafael Maciel de Freitas	FIOCRUZ-MG/Brazil	Lessons learnt from the local grocery store: why <i>Wolbachia</i> was not able to invade a local <i>Aedes aegypti</i> population on its first release in Brazil?	Gabriel da Luz Wallau	FIOCRUZ-PE/Brazil	Evolutionary impact of genomic parasites on mosquito genomes	Eunice Galati	USP/Brazil	American phlebotomine taxonomy: updates and perspectives						
15:20	Margareth L. Capurro	USP-SP/Brazil	Improvement of transgenic strains of <i>Aedes aegypti</i> for the control of arbovirus transmission in Brazil	Valdir Q. Balbino	UFPE/Brazil	Phylogeny, phylogeography and geographical variation in the <i>Lutzomyia longipalpis</i> and <i>L. umbratilis</i> (Diptera: Phlebotominae) species complex: It's time to reassess relationships?	Edelberto Santos Dias	FIOCRUZ-MG/Brazil	Assessment of the efficiency of control measures for phlebotomine sandflies in an endemic area for visceral leishmaniasis						
15:40	Maria Alice V. Melo Santos	FIOCRUZ-PE/Brazil	<i>Aedes aegypti</i> control in Fernando de Noronha island/Brazil by release of gamma-sterilized males	Andrey J. de Andrade	UFPR/Brazil	LutzodeXTM – a digital key for sand flies (Diptera: Phlebotominae) using Android App	Reginaldo Brazil	FIOCRUZ-RJ/Brazil	<i>Lutzomyia longipalpis</i> and synthetic sex pheromone 9-methyl-germacrene B						
16:00-16:40 Break and posters				16:00-16:40 Break and posters				16:00-16:40 Break and posters							
16:40	Sérgio B. Luz	FIOCRUZ-AM/Brazil	<i>Aedes aegypti</i> control using autodissemination of pyriproxyfen	Iliano Coutinho	NIH/USA	What's expressed in the sand fly gut? An in-depth analysis of gene expression throughout digestion and leishmania development	Camila Indiani de Oliveira	FIOCRUZ-MG/Brazil	Recombinant salivary proteins as markers of exposure and risk of leishmaniasis development						
17:00	Daniel C. P. Câmara	FIOCRUZ-RJ/Brazil	Comunitary participation for <i>Aedes aegypti</i> control	Nágila F.C. Secundino	FIOCRUZ-MG/Brazil	The role of the microbiota associated with <i>Lutzomyia longipalpis</i> on the infection by <i>Leishmania infantum chagasi</i>	Felipe Arley	FIOCRUZ-AM/Brazil	May phlebotomine sand flies become synanthropic in Central Amazon?						
17:20	Maria de Lourdes G. Macoris	SUCEN-SP/Brazil	Impact of <i>Aedes aegypti</i> resistance to insecticides in control interventions	Sirite Daffre	USP/ Brazil	Interaction pathogen-ticks: <i>Anaplasma marginale</i> and <i>Rhipicephalus microplus</i>	Filipe Dantas Torres	FIOCRUZ-PE/Brazil	Ecology of sand flies in the Atlantic rainforest in Brazil						
17:40	Ademir Martins	FIOCRUZ-RJ/Brazil	Resistência a inseticidas e o consórcio internacional "Worldwide Insecticide Resistance Network (WIN)"	Claudia Brodskyn	FIOCRUZ-BABrazil	Circulating biomarkers of immune activation, oxidative stress and inflammation characterize severe canine visceral leishmaniasis	Rodrigo Soares	FIOCRUZ-MG/Brazil	<i>Lutzomyia umbratilis</i> population captured in the south of the Negro River is refractory to interaction with <i>Leishmania guyanensis</i>						
18:00	Carlos Brisola Marcondes	UFSC/ Brazil	Evidences of adaptation of <i>Aedes aegypti</i> to sylvatic environment in the Brazilian states of Rio de Janeiro and Rio Grande do Sul	Gissela Vasquez	American Navy of Peru	<i>Anopheles darlingi</i> colonization (to be confirmed)	Fabiano Oliveira	NIH/USA	A sand fly salivary protein vaccine shows efficacy against vector-transmitted cutaneous leishmaniasis in nonhuman primates						