

15 - 19 July 2019 San Cristóbal - Ecuador

	SCIENTIFIC PROGRAM					
Tir	Time Session					
	Monday July, 15 th					
9:00	15:30	REGISTRATION				
15:30	15:40	Opening ceremony	Sonia Zapata Mena			
15:40	15:45	Welcome speech Tlgo. Henry Cobos, San Cristobal's Major				
15:45	16:00			Society for Vector Ecology - Its benefits and why should one join SOVE		
16:00	16:30	COFFEE BREAK				

Systematics and Phylogeny Chairperson: Sonia Zapata

Tir	me	Presentation	Speaker	Title		
16:30	17:00	Keynote speaker	Eunice Galati	Gaps in Phlebotominae distribution and its taxonomic implications		
17:00	17:15	Oral Presentation 1	Sofía Lorián Moya	Phlebotomine DNA barcodes and new records for Argentina		
17:15	17:30	Oral Presentation 2	Fano Randrianambinintsoa	An overview of the Phlebotomine sandflies of Madagascar		
17:30	17:45	Oral Presentation 3	Mathieu Loyer	New data about the genus Idiophlebotomus		
17:45	18:00	Oral Presentation 4 Sonia Zapata		A molecular systematics of the Psychodopygina (Diptera; Psychodidae) inferred from ribosomal and mitochondrial DNA		
18:00	18:20	Discussion				
19:20	21:00		Welcome GAIAS			
	Tuesday July 16th					

Tuesday July, 16th

	Vector and Parasite	
Chair	person: Jérôme Depaquit	

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Tiı	me	Presentation Speaker		Title		
08:00	08:30	Keynote speaker	Shaden Kamhawi	Immune events triggered in host skin by a <i>Leishmania</i> -infected sand fly bite govern pathogenesis of leishmaniasis		
08:30	08:45	Oral Presentation 1	Rodrigo Soares	Lutzomyia longipalpis salivary gland extract modulates Leishmania enriettii infection in Cavia porcellus		
08:45	09:00	Oral Presentation 2	Flávia Benini da Rocha Silva	Attractiveness of golden hamster (Mesocricetus auratus) to Lutzomyia longipalpis (Diptera:Psychodidae) before and after infection with Leishmania (Leishmania) amazonensis		
09:00	09:15	Oral Presentation 3	Luigi Gradoni	A hamster model of defective sand-fly transmission may explain the occurrence of canine <i>Leishmania</i> seroreactors without evidence of infection in endemic areas of zoonotic visceral leishmaniasis		
09:15	09:30	Oral Presentation 4 Terka Lestinova		Leishmania mexicana amastigotes of various origin: proteomic and developmental comparison		
09:30	10:00		Discu	ssion		
10:00	10:30		COFFEE	BREAK		
			Chairperson: Petr \	/olf		
10:30	10:45	Oral Presentation 5	Carla Maia	Antibody response to Toscana virus, sandfly fever Sicilian virus and <i>Phlebotomus</i> perniciosus saliva in cats naturally exposed to sand fly bites		
10:45	11:00	Oral Presentation 6	Mattia Calzolari	Host preference of the sand fly <i>Phlebotomus</i> perfiliewi in northern Italy		
11:00	11:15	Oral Presentation 7	Felipe Dutra Rêgo	An overview of Brazilian sand flies: Almost a century of scientific data and how fast are we moving on to uncover which are the truly vectors?		
11:15	11:30	Oral Presentation 8	Myrthe Pareyn	Ecology and biting behavior of <i>Phlebotomus</i> pedifer in a cutaneous leishmaniasis hotspot in southern Ethiopia		
11:30	11:45	Oral Presentation 9 Louis Maes		Influence of paromomycin resistance on Leishmania fitness inside the sandfly vector		
11:45	12:00	Oral Presentation 10	Guy Caljon	Miltefosine resistance in <i>Leishmania</i> : What do sand fly infections teach us?		
12:00	12:30		Discu	ssion		
12:30	14:30		LUN	NCH		
			Chairperson: Shaden Ka	amhawi		

44.00	45.00	1, 1	D 1 1/16	A .: 1 1: 1 C		
14:30	15:00	Keynote speaker	Petr Volf	Antibodies against sand fly saliva: markers of host exposure to sand fly vectors		
15:00	15:15	Oral Presentation 11	Barbora Vojtkova	Repeated sand fly bites have effect on Leishmania infection in BALB/c mice		
15:15	15:30	Oral Presentation 12 Mary Cameron		Visceral leishmaniasis transmission in India: the role of xenomonitoring in a post-elimination setting.		
15:30	15:45	Oral Presentation 13	Jovana Sadlova	Are Arvicanthis and Mastomys Sub-Saharan reservoirs for Leishmania major and L. donovani? Xenodiagnoses by P. duboscqi and P. orientalis		
15:45	16:00	Oral Presentation 14	Thais Lemos da Silva	Leishmania infantum chagasi gene expression journey inside Lutzomyia longipalpis, the main vector of visceral leishmaniasis in Brazil		
16:00	16:30		Discu	ssion		
16:30	17:00		COFFEE	BREAK		
17:00	18:30	POSTER SESSION 1				
	Thursday July, 18 th					

Ecology and Epidemiology Chairperson: Eunice Galati

Tir	me Presentation Speaker Title			Title	
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08:00	08:30	Keynote speaker	Oscar Daniel Salomón	How to make a perfect cutaneous leishmaniasis outbreak in the Americas	
09:00	09:15	Oral Presentation 1 Wagner de Souza Fernandes		Ecology of sand flies (Diptera: Psychodidae: Phlebotominae) in the municipality of Campo Grande, MS, Brazil	
09:15	09:30	Oral Presentation 2	Sandra Enríquez	Diversity, species composition and natural infection of sand flies vectors of cutaneous leishmaniasis along an altitudinal gradient on the Northwestern slopes of the Ecuadorian Andes	
09:30	09:45	Oral Presentation 3 José Dilermando Andrade Filho		Sand fly behavior: much more than weak-flying	
09:45	10:15	Discussion			
10:15	10:30	ISOPS X Group Photo			
10:30	10:50		COFFEE	BREAK	

	Chairperson: Oscar Daniel Salomón						
40.50	44.05						
10:50	11:05	Keynote speaker	Iván Darío Vélez	Bionomy of the phlebotomine sandflies vectors and ecoepidemiological modulation of leishmaniasis epidemic outbreaks in America, Africa, Europe and Asia			
11:05	11:20	Oral Presentation 5	Fatima Amaro	Sandfly-borne phleboviruses circulating in Portugal: five and still counting			
11:20	11:35	Oral Presentation 6	Cristina Daniela Cazan	Updates on the distribution, diversity and abundance of sand flies (Diptera: Psychodidae) in Romania			
11:35	11:50	Oral Presentation 7	Agathe Chavy	Multi-scale environmental influences on sandflies community structure in Amazonia			
11:50	12:05	Oral Presentation 8	Iván Darío Vélez	Impact of anthropic activities on the diversity and distribution of sandflies species in the eastern region of Caldas, Colombia			
12:05	12:35		Discu	ssion			
12:35	14:15		LUN	ICH			
	Chairperson: Iván Darío Velez						
14:15	14:45	Keynote speaker	Jérôme Depaquit	Phlebotomine sand flies and leishmaniases in Oman			
14:45	15:00	Oral Presentation 10	Nil Rahola	Diversity and ecology of phlebotomine sand flies (Diptera: Psychodidae) in the Quang Ninh province, a new update for Vietnam			
15:00	15:15	Oral Presentation 11	Jorian Prudhomme	Altitude and hillside orientation as main factors of population structuring of <i>Phlebotomus ariasi</i> , vector of <i>Leishmania infantum</i>			
15:15	15:30	Oral Presentation 12	Nazli Ayhan	What we have learned from sandfly-borne Phlebovirus researches in old world?			
15:30	15:45	Oral Presentation 13	Alessandra Gutierrez de Oliveira	Phlebotominae (Diptera: Psychodidae) and Biomes in the State of Mato Grosso do Sul, Brazil			
15:45	16:00	Oral Presentation 14	Nazli Ayhan	Sand Fly-borne Phleboviruses in the Balkan Countries			
16:00	16:30		Discu	ssion			
16:30	16:50		COFFE	BREAK			
16:50	18:20		POSTER S	SESSION 2			
19:30	22:30	Farewell Cocktail Hotel Miconia Sea Side					

			Friday July, 19 th			
			Filliay July, 19			
			Sandflies contro Chairperson: Luigi Gra			
Tir	me	Presentation	Speaker	Title		
08:00	08:15	Oral Presentation 1	Marcelo Ramalho- Ortigao	Bacterial infection and innate immune responses in sand fly larvae midgut		
08:15	08:30	Oral Presentation 2	Alongkot Ponlawat	Field evaluation of transfluthrin treated military materials against Phlebotomine sand flies (Diptera: Psychodidae) in Thailand		
08:30	08:45	Oral Presentation 3	Vicente Estevam Machado	Attractiveness of a controlled release system with 1-hexanol to <i>Nyssomyia neivai</i> (Diptera: Psychodidae) in wind tunnel		
08:45	09:00	Oral Presentation 4	Rosa Galvez Esteban	Phlebotomus perniciosus biological adaptation under laboratory conditions		
09:00	09:15	Oral Presentation 5	Mary Cameron	A comparative study of three trapping methods for indoor sampling of <i>Phlebotomus</i> argentipes in the Indian subcontinent		
09:15	09:30	Oral Presentation 6	Mary Cameron	Indoor residual spraying for the control of Phlebotomus argentipes in the Indian subcontinent: a review of the available evidence		
09:30	09:45	Oral Presentation 8	Luigi Gradoni	Laboratory reassessment of the anti-feeding effect of Scalibor® deltamethrin collar against the sand fly <i>Phlebotomus perniciosus</i> in dogs confirms elevated and sustained efficacy for one year following treatment		
9:45	10:10	Discussion				
10:10	10:40					
			Modern tools for sandflie Chairperson: Vit Dvo			
10:40	10:55	Oral Presentation 1	Petra Cikrtova	Yellow-related proteins in saliva of Phlebotomus orientalis: amine-binding and antigenic properties		
10:55	11:10	Oral Presentation 2	Mary Ann McDowell	Population structure of two sand fly genomes: <i>Phlebotomus</i> papatasi and <i>Lutzomyia longipalpis</i>		

11:10	11:25	Oral Presentation 3	Jan Votypka	Sergentomyia schwetzi: salivary gland transcriptome, proteome and salivary enzymes
11:25	11:40	Oral Presentation 4	Nagila Costa Secundino	Bacterial diversity of wild-caught <i>Lutzomyia longipalpis</i> (a vector of Visceral Leishmaniasis) under distinct physiological conditions, by metagenomics and cultivable analysis
11:40	11:55	Oral Presentation 5	Vit Dvorak	MALDI-TOF mass spectrometry: useful tool for species identification and blood meal analysis of phlebotomine sand flies
11:55	12:10	Oral Presentation 6	Emma Howson	The Gnatwork: building capacity for research on sandflies, biting midges and blackflies
12:10	12:30	Discussion		
12:30	13:00		Closing C	eremony

POSTERS PRESENTATION

Tuesday July, 16th

SESSION 1

Time		Speaker	Title
17:00	17:02	Barbora Vojtková	Central Asian rodents as model animals for leishmaniasis: susceptibility to <i>Leishmania major</i> and infectiousness to <i>Phlebotomus duboscqi</i>
17:02	17:04	Fátima Amaro	Ultrastructural studies on Alcube virus, a new sandfly-borne virus isolated in Portugal
17:04	17:06	Tereza Lestinova	Adaptive gene-loss coupled to <i>Leishmania infantum</i> expansion in Brazil
17:06	17:08	Tomas Becvar	Development of <i>Leishmania</i> of the subgenus <i>Mundinia</i> in sand flies and guinea-pigs
17:08	17:10	Wagner de Souza Fernandes	Genetic Structure Analyses of Lutzomyia longipalpis and Lutzomyia cruzi using Next-Generation Sequencing
17:10	17:12	Sofía Lorián Moya	Molecular taxonomic identification and genetic relationships among <i>Lutzomyia longipalpis</i> complex and closely related species inferred from cytochrome c oxidase subunit 1
17:12	17:14	Jérôme Depaquit	A robust phylogeny of the subgenus <i>Paraphlebotomus</i> inferred by large-scale sequencing (RAD-seq)
17:14	17:16	Alessandra Gutierrez de Oliveira	Endemism Areas of Phlebotominae in the Upper Paraguay River Basin, Mato Grosso do Sul, Brazil
17:16	17:18	Oscar Daniel Salomón	Impact of productive subsistence activities on the abundance dynamic of <i>Nyssomyia whitmani</i> , a <i>Leishmania braziliensis</i> vector in Misiones
17:18	17:20	Andrey Jose de Andrade	Blood feeding of <i>Sciopemyia microps</i> (Mangabeira, 1942) and <i>Sciopemyia sordellii</i> (Shannon & Del Ponte, 1927) in caves of Minas Gerais state
17:20	17:22	Myrthe Pareyn	Evaluation of a pan- <i>Leishmania</i> SL-RNA qPCR assay for parasite detection in laboratory and field collected sand flies
17:22	17:24	Andrei Mihalca	A historical overview on sand fly distribution and epidemiology of human and animal leishmanioses in Eastern Europe
17:24	17:26	Yester Basmadjian	mtDNA genetic variability of <i>Lutzomyia longipalpis</i> from Uruguay highlights its invasion route to the country
17:26	17:28	Andreia Fernandes Brilhante	Diversity of the phlebotomine fauna (Diptera: Psychodidae) in an area of occurrence of American cutaneous leishmaniasis, State of Acre, Brazilian Western Amazonia
17:28	17:30	Carla Maia	Human seroprevalence of Toscana virus and Sandfly fever Sicilian virus in Setúbal district
17:30	17:32	Carla Maia	Phlebotomine sand fly survey in Algarve region, south of Portugal, 2018: molecular screening of <i>Leishmania</i> and <i>Phlebovirus</i> , and blood meal identification
17:32	17:34	Herintha Coeto Neitzke-Abreu	Presence of <i>Lutzomyia longipalpis</i> in Brazilian areas without cases of visceral leishmaniasis

17:34	17:36	Mariza Fordellone Rosa Cruz	Ecological study and risk factors for the transmission of American Cutaneous Leishmaniasis(ACL) in conservation areas - Paraná – Brazil
17:36	17:38	Blima Fux	Ecological niche of <i>Lutzomyia longipalpis</i> (diptera: Psychodidae), vector of visceral leishmaniasis, in the state of Espírito Santo, Brazil
17:38	17:40	Mariza Fordellone Rosa Cruz	Survey of sandfly fauna in areas of transmission of American Cutaneous Leishmaniasis (ACL), evaluating abundance, diversity and equitability indices under influence of hydroelectric plants in the Parana panema River, Paraná
17:40	17:42	Renato León	Baseline sand fly data and monitoring of cutaneous leishmaniasis in an endemic area close to the Toachi-Pilaton hydroelectric dam: Joint initiative between HIDROTOAPI and LEMMT-USFQ
17:42	17:44	Renato León	Leishmaniasis in Galapagos: Past reported cases and, entomological data to address if local transmission is possible
17:44	17:46	Franklin Espinosa	Leishmanicidal activity of Ishpink and Moringa

Thursday July, 18th

SESSION 2

Time		Speaker	Title
17:15	17:17	Agathe Chavy	Multi-scale environmental influences on sandfly community structure in Amazonia
17:17	17:19	Juan Ramón Rosa	Phlebotomine in transitional area, Chaco, Argentina. Meteorological variation
17:19	17:21	María Lucrecia Villarquide	Seasonal distribution of <i>Lutzomyia longipalpis</i> in Santo Tomé, Corrientes, Argentina.
17:21	17:23	Everton Falcão de Oliveira	Nichtemeral rhythm of sand flies (diptera: psychodidae) in campo grande, mato grosso do sul, Brazil
17:23	17:25	Oscar Daniel Salomón	Where does <i>Nyssomyia whitmani</i> breed? Habitats and conditions that favour the vector in rural areas of Misiones, Argentina
17:25	17:27	Márcia Moreira de Ávila	Aspects of the phlebotomine fauna (Diptera: Psychodidae) and of the infection by <i>Leishmania</i> spp. in an area of high incidence of Cutaneous Leishmaniasis in Rio Branco, Acre
17:27	17:29	Horacio Cadena Peña	Spatial distribution of immature and adults of <i>Lutzomyia</i> sp in a periurban focus of leishmaniasis in the Caribbean region of Colombia
17:29	17:31	Elyes Zhioua	Emergence of Toscana virus and other sandfly-borne phleboviruses in arid bio-geographical areas of central Tunisia
17:31	17:33	Elyes Zhioua	Irrigation in the arid regions of Tunisia impacts the abundance of sand flies population and <i>Leishmania infantum</i> infection

17:33	17:35	Fredy Galvis Ovallos	Natural infection of <i>Lu. longipalpis</i> (Cembrene-1) with <i>Leishmania infantum</i> in a VL focus of the East region of São Paulo State, Brazil
17:35	17:37	Fredy Galvis Ovallos	Detection of DNA of <i>Leishmania infantum</i> in <i>Nyssomyia intermedia</i> in a new focus of visceral leishmaniasis in São Paulo State, Brazil. What is the role of this sandfly in VL transmission?
17:37	17:39	María Gabriela Quintana	Seasonal assemblage of Phlebotominae species, Tucumán, Argentina
17:39	17:41	Nilsa González Brítez	Distribution, Abundance and Infection of <i>Lutzomyia longipalpis</i> , vector of Visceral Leishmaniasis in three Municipalities of the Department of Caaguazú, Paraguay
17:41	17:43	Nilsa González Brítez	Sandflies fauna (Diptera: Psychodidae) in a border area of Paraguay and the influence of environmental variables on the vector density of <i>Lutzomyia longipalpis</i>
17:43	17:45	Ognyan Mikov	Checklist and distribution maps of the phlebotomine sandflies of Bulgaria
17:45	17:47	Rosa Galvez Esteban	Field collection of sand flies as one of the funded projects of local participatory budget in Torrelodones municipality (Madrid), Spain
17:47	17:49	Rosa Galvez Esteban	Harnessing student citizen science in and around the classroom to study sand fly populations in Madrid (Spain)
17:49	17:51	Vit Dvorak	Ecological and seasonal aspects of sand fly populations in Austria
17:51	17:53	Felipe Dutra Rêgo	Ecological niche modelling of <i>Nyssomyia trapidoi</i> and <i>Nyssomyia ylephiletor</i> , vectors of <i>Leishmania</i> , with comments on their geographical distribution
17:53	17:55	Mary Ann McDowell	VectorBase: A bioinformatics resource for invertebrate vectors and other organisms related with human diseases
17:55	17:57	María Gabriela Quintana	Multi scale environmental determinants of <i>Leishmania</i> vectors in urban and rural context
17:57	17:59	Sonia Zapata	Identification of vectors and possible vectors of leishmaniasis in north region of Ecuador