

ISOPS XI PROGRAMME & TIMETABLE

9 MONDAY

14:00 – 19:00 REGISTRATION (ISOPS XI venue)

19:00 – 21:00 WELCOME COCKTAIL (News Café Bernardin)

10 TUESDAY

8:45 – 9.15 ISOPS XI OPENING

9:15 – 10.30 **Experimental models of *Leishmania* transmission**

Chair: Gioia Bongiorno

O1	9:15 – 9.30	Márcia Laurenti	<i>In vitro</i> and <i>in vivo</i> experimental model of atypical cutaneous leishmaniasis by <i>Leishmania infantum</i> using salivary gland homogenate of <i>Lutzomyia longipalpis</i>
O2	9:30 – 9:45	Kristýna Jelínková	The effect of <i>Phlebotomus duboscqi</i> saliva on the ongoing <i>Leishmania major</i> infection in a murine model
O3	9:45 – 10:00	Tomáš Bečvář	Experimental transmission of <i>Mundinia</i> by biting midges and sand flies
O4	10:00 – 10:15	Sarah Hendrickx	Application and optimization of a <i>Lutzomyia longipalpis</i> transmission model to initiate various forms of cutaneous leishmaniasis in laboratory animals

O5	10:15 – 10:30	Petr Volf	Mechanisms of <i>Leishmania</i> attachment to the sand fly midgut and the stomodeal valve
10:30 – 11:00		COFFEE BREAK	
11:00 – 12:30		Advances in <i>Leishmania</i> Research Chair: Yara Traub-Cseko	
O6	11:00 – 11:15	Pedro Cecilio	<i>Leishmania</i> transmission is disrupted in sandflies colonized by <i>Delftia tsuruhatensis</i> TC1 bacteria
O7	11:15 – 11:30	Aida Bouratbine	Contribution of real-time PCR targeting kinetoplast DNA to access sandfly infection rate in areas with low <i>Leishmania infantum</i> transmission
O8	11:30 – 11:45	Fabiano Oliveira	Are bites of non-infected sand flies important for the maintenance of cutaneous leishmaniasis in animal reservoirs?
O9	11:45 – 12:00	Marcela Fuentes Carias	<i>Leishmania</i> hybridization in their sand fly vectors: investigation of the role of Gex1
O10	12:00 – 12:15	Liora Studentsky	New evidence indicating the endemic transmission of <i>Leishmania donovani</i> in Israel
O11	12:15 – 12:30	Suha Kenan Arserim	The first detection of <i>Leishmania donovani</i> DNA in Türkiye, in its proven vector <i>Phlebotomus alexandri</i>
12:30 – 14:00		LUNCH (News Café Bernardin)	
14:00 – 16:00		Sand fly behaviour & Symbiotic interactions Chair: Jeffrey Shaw	
O12	14:00 – 14:15	Jeffrey Shaw	Neotropical sand fly anthropophily – a natural or unnatural behaviour
O13	14:15 – 14:30	Marcos Antonio Bezzera Santos	Electrophysiological and behavioural responses of <i>Phlebotomus perniciosus</i> to volatile organic compounds of dogs and humans

O14	14:30 – 14:45	Orin Courtenay	The efficacy of a synthetic sex-aggregation pheromone to detect <i>Lutzomyia longipalpis</i>
O15	14:45 – 15:00	Gideon Wasserberg	Oviposition ecology of <i>Phlebotomus papatasi</i> sandflies: patterns, processes, and applications
O16	15:00 – 15:15	Dia-Eldin Elnaiem	Effects of the Lunar Cycle on the Nocturnal Activity rhythm and Hourly Man-biting rates of <i>Phlebotomus orientalis</i> , the vector of visceral leishmaniasis in Sudan
O17	15:15 – 15:30	Amanda Andrade do Rosário	Assessing <i>Wolbachia</i> circulation in field populations of <i>Lutzomyia longipalpis</i> in and endemic area of visceral leishmaniasis in Brazil
O18	15:30 – 15:45	Kentaro Itokawa	Dual infection of <i>Wolbachia</i> and <i>Candidatus</i> Tisiphia to <i>Sergentomyia squamirostris</i> in Japan
O19	15:45 – 16:00	Nagila Secundino	Role of the microbioma in <i>Lutzomyia longipalpis</i> Vector competence: What do we know?
16:00 – 16:30		COFFEE BREAK	
16:30 – 18:00		Natural Infection of sand flies by pathogens	
		Chair: Dia Elnaiem	
O20	16:30 – 16:45	Mattia Calzolari	Phleboviruses and <i>Leishmania</i> detection in sandflies: three years of monitoring in Lombardy and Emilia-Romagna Regions (Northern Italy)
O21	16:45 – 17:00	Nikola Polanská	Susceptibility of various sand fly species to Toscana virus
O22	17:00 – 17:15	Saini Prasanta	Detection of natural infection of <i>Leishmania donovani</i> among wild caught phlebotomine sandflies in India: an endemic focus of Leishmaniasis
O23	17:15 – 17:30	Eva Iniguez	Comparative analysis of <i>Leishmania</i> -infected sand flies in their microhabitats reveals the

			complexity of visceral leishmaniasis transmission in East Africa
O24	17:30 – 17:45	Mariaelisa Carbonara	Sympatric occurrence of <i>Leishmania infantum</i> and <i>Leishmania tarentolae</i> in <i>Sergentomyia minuta</i> sand flies
O25	17:45 – 18:00	Elyes Zhioua	Co-circulation of <i>Leishmania infantum</i> and Toscana virus in sandflies and dogs in a focus of canine leishmaniasis of Northern Tunisia

11 WEDNESDAY

FREE DAY

EXCURSIONS

1. 9:00 – 17:00 ŠKOCJAN CAVES - LJUBLJANA
2. 9:00 – 17:00 LJUBLJANA - BLED

12 THURSDAY

8:30 – 10:30

Host and reservoir identification & Sand fly control

Chair: Shaden Kamhawi

O26	8:30 – 8:45	Shaden Kamhawi	An innovative toolbox aims to identify leishmaniasis reservoirs through analysis of individual field-collected blood fed sand flies
O27	8:45 – 9:00	Bruno Oliveira Cova	Invertebrate-derived DNA (iDNA) to identify sandflies' bloodmeal

O28	9:00 – 9:15	Sofia El Kacem	Establishment of an In-house library for host blood identification and blood meal analysis of a natural population of Moroccan <i>Phlebotomus sergenti</i> using a proteomic approach
O29	9:15 – 9:30	Marketa Stejskalova	<i>Asaia</i> bacteria in sand flies and their impact on <i>Leishmania</i> transmission
O30	9:30 – 9:45	Mara Cristina Pinto	Evaluation of biological parameters of female <i>Lutzomyia longipalpis</i> (Diptera:Psychodidae) after contact with insecticide-impregnated screens
O31	9:45 – 10:00	Rafaella Albuquerque e Silva	Insecticide impregnated collars for the control of visceral leishmaniasis: evaluation of the susceptibility of <i>Lutzomyia longipalpis</i> to deltamethrin
O32	10:00 – 10:15	Fredy Galvis Ovallos	Assessment of the impact of deltamethrin-impregnated collars on density of <i>Lutzomyia longipalpis</i> in an endemic area of visceral leishmaniasis in Brazil
O33	10:15 – 10:30	Kardelen Yetismis	Preliminary results of Insecticide resistance bioassay against synthetic pyrethroids on sandflies in west part of Türkiye
10:30 – 11:00	COFFEE BREAK		
11:00 – 12:30	POSTER SESSION		
12:30 – 14:00	LUNCH (News Café Bernardin)		
14:00 – 16:00	<p align="center">CLIMOS project - Climate Monitoring and Decision Support Framework for Sand Fly-borne Diseases Detection and Mitigation</p> <p align="center">Chair: Ozge Erisoz Kasap</p>		
O34	14.00 – 14:15	Carla Maia & Suzana Blesić	Providing a better knowledge and comprehension of climate and environmental drivers of sand fly-borne diseases - the CLIMOS project
O35	14.15 – 14:25	Vit Dvorak	Sand fly sample collection and analysis

O36	14.25 – 14:35	Gioia Bongiorno	<i>Leishmania</i> and <i>Phlebovirus</i> detection in sand flies and canine sera samples
O37	14.35 – 14:45	Jovana Sadlova	Vector competence of European sand flies to <i>Leishmania</i> and phleboviruses
O38	14.45 – 14:55	Orin Courtenay	Development of a sand fly semio-chemical attractant remote monitoring device
O39	14.55 – 15:05	Iva Kolarova	Development of recombinant salivary antigens as risk markers
15.05 – 15:10	DISCUSSION		
O40	15.10 – 15:20	Yoni Waitz	Large-scale analysis of long-term historical data of sand fly populations
O41	15.20 – 15:30	Vladan Gligorijević	Originality, simplicity and reusability of visual tools developed for CLIMOS EWS
O42	15:30 – 15:40	Sergio Natal	The development of an Early Warning System under the framework of CLIMOS project
O43	15.40 – 15:50	Diana Guardado	Promoting and disseminating sand fly research to various audiences
15.50 – 16:00	DISCUSSION		
16:00 – 16:30	COFFEE BREAK		
16:30 – 18:00	Leishmania Vector Interactions Chair: Petr Volf		
O44	16.30 – 16:45	Tiago Serafim	IgM promotes genetic exchange of <i>Leishmania</i> inside the sand fly vector
O45	16.45 – 17:00	Rodrigo Pedro Pinto Soares	Salivary glands of <i>Nyssomyia neivai</i> during <i>in vivo</i> infection by different Amazonian <i>Leishmania</i> (<i>Viannia</i>) species
O46	17.00 – 17:15	Cecilia Stahl Vieira	Azadirachtin disrupts ecdysone signaling and alters <i>P. perniciosus</i> immunity
O47	17.15 – 17:30	Erich Telleria	Surface molecules from <i>Leishmania</i> and bacteria increase the expression of sand fly

			genes coding for antimicrobial peptides and gut surface proteins
O48	17:30 – 17:45	Yara Traub-Cseko	Uncovering the secrets of vector competence focusing on two Amazonian sand fly populations from leishmaniasis endemic and non-endemic areas
O49	17:45 – 18:00	Barbora Vojtková	Infectiousness of natural hosts of <i>Leishmania major</i> to sand flies at micro- and macro-scale
18:45 BUS transfer to the restaurant			
19:30 GALA DINNER			

13 FRIDAY

8:30 – 10:30		Sand fly taxonomy, distribution, surveillance 1	
Chairs: Padet Siriyasatien /Jerome Depaquit			
O50	8:30 – 8:45	Jerome Depaquit	Thoughts about the very complicated taxonomy of South-East Asian sandflies
O51	8:45 – 9:00	Huicong Ding	Hidden in plain sight: discovery of phlebotomine sandflies in Singapore and description of four species new to science
O52	9:00 – 9:15	Thanapat Pataradool	Suspected novel species of Phlebotomine sand flies (Diptera: Psychodidae) from Uthai Thani province, Thailand, and its potential role in <i>Trypanosoma</i> sp. transmission
O53	9:15 – 9:30	Khamsing Vongphayloth	Analysis of phlebotomine sandflies (Diptera: Psychodidae) in Laos from 2012-2024 identifies new species, and diverse taxa
O54	9:30 – 9:45	Stavroula (Evi) Gouzelou	Sand fly fauna investigation in refugee camps and emerging <i>L. tropica</i> foci in Cyprus
O55	9:45 – 10:00	Alessandro Alvaro	Investigations on the presence of sand fly species (Diptera: Psychodidae) in northern

			Italy and on the prevalence of <i>Leishmania</i> spp. in sand flies and reptile hosts
O56	10:00 – 10:15	Ina Hoxha	Sand flies (Diptera: Phlebotominae) in the Republic of Kosovo: distribution, ecology and pathogen circulation
O57	10:15 – 10:30	Fátima Amaro	National Surveillance Network for sandflies in Portugal: the importance of monitoring a less known vector
10:30 – 11:00		COFFEE BREAK	
11:00 – 12:30		Sand fly taxonomy, distribution, surveillance 2 Chair: Vit Dvorak	
O58	11:00 – 11:15	Eduardo Berriatua	Assessing Sand Fly Vector Distributions in Spain to Predict <i>Leishmania</i> and <i>Phlebovirus</i> Infection Risks: Insights from the CLIMOS Project
O59	11:15 – 11:30	Jamila Ghrab	<i>Sergentomyia</i> ssp in the Tunisian <i>Leishmania major</i> focus of Sidi Bouzid: Diversity and <i>Leishmania</i> infection
O60	11:30 – 11:45	Kamal Benallal	Sand fly fauna in leishmaniasis foci in Algeria: Species composition and blood meal sources studied by complementary techniques
O61	11:45 – 12:00	Petr Halada	MALDI-TOF MS protein profiling: A promising tool for identification of sibling species within the <i>Phlebotomus perniciosus</i> / <i>longicuspis</i> complex
O62	12:00 – 12:15	Ognyan Mikov	First report of a cavernicolous population of <i>Phlebotomus neglectus</i> (Diptera: Psychodidae) breeding at suboptimal temperatures in a karst tourist cave in Bulgaria

O63	12:15 – 12:30	Tarcísio Milagres	Flebocollect project: citizen science as a tool to enhance sand fly surveillance and community engagement in Spain
	12:30 – 14:00	LUNCH (News Café Bernardin)	
	14:00 – 15:30	Sand fly taxonomy, distribution, surveillance 3 Chair: Yusuf Ozbel	
O64	14:00 – 14:15	Bruno Rodrigues	Hidden diversity in Monticola Series (Diptera, Psychodidae, Phlebotominae)
O65	14:15 – 14:30	Katharina Platzgummer	Sand fly research in Central Europe – the past, the present and the future
O66	14:30 – 14:45	Jorian Prudhomme	Phlebotomine sandflies distribution and abundance in France: a systematic review
O67	14:45 – 15:00	Ilaria Bernardini	<i>Phlebotomus perfiliewi</i> as incriminated vector species in endemic area of Tuscany region (Central Italy)
O68	15:00 – 15:15	Eddy Martinez	Bolivian sandflies, inventory, classification, distribution and species involved in the transmission of leishmaniasis
	15:30 – 16:00	FAREWELL CLOSING	