

## SESSION 24 Vector biology and leishmania-sand fly interactions

*Chairman: Rajib Chowdhury*

*Co-chairman: Maribel Jiménez*

C1349	<p><b>MICRO AND MESO SCALE ENVIRONMENTAL DETERMINANTS OF LUTZOMYIA LONGIPALPIS AND NYSSOMYIA WHITMANI ABUNDANCE, MAIN VECTORS OF VISCERAL AND CUTANEOUS LEISHMANIASIS IN PUERTO IGUAZÚ, ARGENTINA</b></p> <p><i>María Gabriela Quintana; María Soledad Santini; Regino Cavia; Mariela Martínez; María Soledad Fernández; Domingo Javier Liotta; Magali Giuliani; Sofía Lorian Moya; Oscar Daniel Salomón; and Project Team IDRC;</i></p>
C0331	<p><b>LEISHMANIA ATTACHMENT IN PERMISSIVE SAND FLIES: CHARACTERIZATION OF MIDGUT MUCIN AND ITS INVOLVEMENT IN THIS INTERACTION</b></p> <p><i>Jitka Myskova; Anna Dostalova; Lucie Penickova; Petr Halada; Milena Svobodova; Paul A. Bates; Petr Volf;</i></p>
C0813	<p><b>PREPARING TO BREAK THE VL TRANSMISSION CHAIN: INTEGRATING DATA FROM VECTOR CONTROL, SEROLOGICAL SURVEILLANCE AND PH. ARGENTIPES GUT MICROBIOTA TO EVALUATE INTERVENTION EFFICACY</b></p> <p><i>Geraldine Foster; Gala Garrod; Lee Haines; Rinki Deb; Pradeep Das; Sridhar Srikantiah; Ian Goodhead; Michael Coleman;</i></p>
C0987	<p><b>EVALUATION OF THE MECHANISM OF LEISHMANIA PATHOGENESIS AFTER INFECTED SAND FLY BITES HIGHLIGHTS THE EFFICACY OF GENETICALLY MODIFIED LIVE ATTENUATED LEISHMANIA VACCINES AGAINST VECTOR CHALLENGE</b></p> <p><i>Ranadhir Dey; Hamide Aslan; Fabiano Oliveira; Claudio Meneses; Amritanshu Joshi; Lais Pereira; Shannon Townsend; Anderson Guimaraes Baptista Costa; Parna Bhattacharya; Waldione de Castro; Tiago Donatelli Serafim; Iliano Coutinho Abreu; Philip;</i></p>
C1138	<p><b>GENE EDITING IN SAND FLIES BY CRISPR/CAS9 TECHNOLOGY</b></p> <p><i>Ines Elena Martin Martin; Jose Ribeiro; Eric Calvo;</i></p>
C1363	<p><b>MICROBIOTA IN THE LUTZOMYIA LONGIPALPIS MIDGUT ARE ESSENTIAL FOR SURVIVAL OF LEISHMANIA INFANTUM</b></p> <p><i>Patrick Kelly; Sarah Bahr; Tiago Serafim; Nadim Ajami; Joseph Petrosino; Claudio Meneses; John Kirby; Jesus Valenzuela; Mary Wilson;</i></p>
C1464	<p><b>AN INTERGRATED OVERVIEW ON THE MIDGUT BACTERIAL FLORA COMPOSITION OF PHLEBOTOMUS PERNICIOSUS, A VECTOR OF ZONOTIC VISCERAL LEISHMANIASIS IN THE WESTERN MEDITERRANEAN BASIN</b></p> <p><i>Fraih Wael; Fares Wasfi; Perrin Pascale; Dorkeld Franck; Sereno Denis; Barhoumi Walid; Sbissi Imed; Cherni Safedine; Chelbi Ifhem; Durvasula Ravi; Ramalho-Ortigao Marcelo; Gtari Maher; Elyes Zhioua;</i></p>
C1480	<p><b>AN OVIPOSITION PHEROMONE ASSOCIATED WITH CONSPECIFIC EGGS IS AN ATTRACTANT AND STIMULANT TO GRAVID PHLEBOTOMUS PAPTASI FEMALES</b></p> <p><i>Chelbi Ifhem; Elyes Zhioua; Hamilton Gordon;</i></p>

**C1823 INFLUENCE OF THE GUT BACTERIAL MICROBIOTA ON LEISHMANIA MEXICANA TRANSMISSION BY SAND FLY BITE**

*Emilie Giraud; Jakob Hurst; Martin Oihane; Al-Sharook Omar; Crainey Lee; Matthew Rogers;*

**ORAL COMMUNICATIONS FRIDAY, 19TH OF MAY FRIDAY, 15:00-16:30 MIRADERO**

**SESSION 25 - Leishmania-HIV co-infection**

*Chairman: Johan van Griensven*

*Co-chairman: Pilar Aparicio*

**C0287 MUCOCUTANEOUS LEISHMANIASIS AND HIV CO-INFECTION: POST-MORTEM DIAGNOSIS OF LEISHMANIA (LEISHMANIA) INFANTUM CHAGASI BY ITS-1 RFLP**

*Lucia Maria Almeida Braz; Natalia de Souza Godoy; Regina Maia de Souza; Thelma Suely Okay; Vera Demarchi Aiello;*

**C0719 PREVALENCE AND RISK FACTORS OF ASYMPTOMATIC LEISHMANIA INFECTION IN HIV-INFECTED INDIVIDUALS IN NORTH WEST ETHIOPIA**

*Johan van Griensven; Saskia Van Henten; Bewketu Mengesha; Mengistu Endris ; Said Abdellati; Dorien Van Den Bossche; Lieselotte Cnops; Wim Adriaensen; Wondimu Asefa; Tesfa Simegn; Dagnachew Debasu; Yonas Gedamu; Florian Vogt; Ermias Diro;*

**C1232 VISCERAL LEISHMANIASIS AND HIV CO-INFECTION IN NORTHWEST ETHIOPIA: UPTAKE OF ANTIRE BURDEN OF DISEASE AMONGST PATIENTS ENROLLED IN HIV CARE**

*Johan van Griensven; Tesfa Simegn; Mengistu Endris; Ermias Diro;*

**C1738 NEUTROPHILS IN VISCERAL LEISHMANIASIS AND HIV CO-INFECTED PATIENTS' BONE MARROW**

*Mariana Rodrigues Barros da Silva Soares; Kátia Silene Sousa Carvalho; Dorcas Lamounier Costa; Debora Cavalcante Braz; Adriana Cesar Bonomo; Carlos Henrique Nery Costa;*

**C1541 COMPARATIVE STUDY OF VISCERAL LEISHMANIASIS IN IMMUNOCOMPETENTS, HIV PATIENTS AND PATIENTS UNDER IMMUNOSUPPRESSIVE THERAPY DURING THE LARGEST COMMUNITY OUTBREAK OF LEISHMANIASIS IN EUROPE (FUENLABRADA, SPAIN): CLINICAL MANIFESTATIONS, EVOLUTION, AND IMMUNOLOGICAL RESPONSE**

*Alicia Castro Gordon; Belén Matía Hernando; Eugenia Carrillo; Laura Botana; Laura Fernández; Laura Molina; Ana Ibarra-Meneses; Jesús García-Martínez; Carmen Sánchez; Jerónimo Jaquetti; Luis Horrillo; Isabel García-Arata; Jose Manuel Ruiz Giardin; Javier Moreno; Juan V San Martin*

**C1670 EFFICACY AND SAFETY OF AMBISOME MONOTHERAPY AND AMBISOME® PLUS MILTEFOSINE FOR PATIENTS COINFECTED WITH HIV AND VISCERAL LEISHMANIASIS IN ETHIOPIA – THE HIV/VL 0511 TRIAL**

*Diro Ermias; Edwards Tansy; Fikre Helina; Soipei Peninah; Mutinda Brian; Omollo Ray; Omwalo Gabriel; Ritjmeijer Koert; Wasunna Monique; Hailu Asrat; Alves Fabiana; Alexander Neal; Alvar Jorge; Blesson Severine;*

**SESSION 26 Early drug discovery. Animal models and genetic susceptibility. Drug resistance mechanisms**

*Chairman: Clemencia Ovalle*

*Co-chairman: Francisco Bolás*

<b>C0205</b>	<b>STRUCTURE-BASED DESIGN OF NOVEL DIHYDROOROTATE DEHYDROGENASE INHIBITORS IN LEISHMANIA AND IN VITRO VALIDATION</b> <i>Rodrigo Ochoa Deossa; Maria Luisa Serrano; Carlos Muskus;</i>
<b>C0207</b>	<b>IN VIVO EFFECTIVENESS AND IMMUNOMODULATORY EFFECTS OF THE ANTIDEPRESSANT SERTRALINE ENTRAPPED INTO NANOLIPOSOMES: AN EXPERIMENTAL STUDY AGAINST LEISHMANIA INFANTUM</b> <i>Andre Gustavo Tempone; Thais Alves Costa-Silva; Andres J Galisteo Jr; Leandro Ramos Souza Barbosa;</i>
<b>C0383</b>	<b>VALIDATION OF A NEW BALB/C MOUSE/L. GUYANENSIS FOOTPAD MODEL AS PART OF A TIERED IN VIVO SCREENING PARADIGM FOR DEVELOPMENT OF DRUGS TO TREAT CUTANEOUS LEISHMANIASIS</b> <i>Diana Caridha; Mozna Khraiwesh; Brian Vesely; Franklin Ngundam; Kirk Butler; Susan Leed; Erica Penn; Norma Roncal; Kenda Lawrence; Rick Sciotti; Lisa Read; Max Grogl; Chuck Bane; Chad Black; Mara Kreishman-Detrick; Mark Hickman;</i>
<b>C0501</b>	<b>A HOLISTIC APPROACH TO THE DEVELOPMENT OF TOPICAL TREATMENTS FOR CUTANEOUS LEISHMANIASIS</b> <i>Katrien Van Bocxlaer; Vanessa Yardley; Simon Croft;</i>
<b>C0533</b>	<b>PHARMACODYNAMICS OF THREE NOVEL ANTILEISHMANIAL LEAD SERIES AGAINST LEISHMANIA INFANTUM AND L. DONOVANI: IN VITRO ðTIME-TO-KILLÍ ASSAY</b> <i>Van Den Kerkhof Magali; Hendrickx Sarah; Caljon Guy; Maes Louis;</i>
<b>C0702</b>	<b>USING ATP AFFINITY CHROMATOGRAPHY FOR LEISHMANIA DRUG TARGET DECONVOLUTION</b> <i>Leclercq Olivier; Florent Dingli; Guillaume Arras; Damarys Loew; Najma Rachidi; Gerald Späth;</i>
<b>C0854</b>	<b>IN VIVO IMAGING MODELS FOR VISCERAL AND CUTANEOUS LEISHMANIASIS</b> <i>Elmarie Myburgh; Jayanthi Anand; Cintia Philipon; Jeremy C Mottram;</i>
<b>C1151</b>	<b>FLAVONOL-LIKE COMPOUNDS IDENTIFICATION AS ANTILEISHMANIA AGENTS: CHEMISTRY, BIOLOGY AND TARGET STUDIES</b> <i>Maria Paola Costi; Chiara Borsari; Nuno Santarem; Maria Jesus; Juan Torrado; Eugenia Bifeld; Julia Ellinger; Clos Joachim; José María Alunda; Sheraz Gul; Anabela Cordeiro-da-Silva; Luca Costantino; S</i>
<b>C1707</b>	<b>DISCOVERY OF ANTI-LEISHMANIAL COMPOUNDS FROM NATURAL SOURCES</b> <i>Carolina Borsoi Moraes; Laura M. Alcantara; Bethlehem Kebede; Markus Wolf; Deepa Karunakaran; Thalita C. S. Ferreira; Vanessa Fontana; Caio H. Franco; Claudia P. Bertolacini; Asaad K.M.A. Ahmed; Sheraz Gul; Lucio H. Freitas-Junior; Stephen Wrigley;</i>