

**SESSION 15 - Early drug discovery. Animal models and genetic susceptibility.**

**Drug resistance mechanisms**

*Chairman: Carlos Muskus*

*Co-chairman: Jose M. Alunda*

C0397	<b>THE UP-REGULATION OF IRON SUPEROXIDE DISMUTASE IN LEISHMANIA DONOVANI ASSOCIATED WITH MILTEFOSINE RESISTANCE AND THEIR INHIBITION RESTORED THE DRUG EFFICACY IN-VITRO</b> <i>Radheshyam Maurya Maurya; Jalaja Veronica; Shyam Sundar;</i>
C0379	<b>EMERGENCE OF MILTEFOSINE RESISTANT CASES OF VISCERAL LEISHMANIASIS IN INDIA</b> <i>Saumya Srivastava; Jyotsna Mishra; Anil Kumar Gupta; Amit Singh; Prem Shankar; Sarman Singh;</i>
C0459	<b>PRE-ADAPTION TO ANTIMONIALS IS GENERAL IN LEISHMANIA DONOVANI FROM THE INDIAN SUBCONTINENT</b> <i>Ranck Dumetz; Bart Cuypers; Hideo Imamura; Malgorzata Domagalska; Erika D'Haenens; Ilse Maes; Suman Rijal; Khana Basudha; Shyam Sundar; Syamal Roy; Jean-Claude Dujardin; Géraldine De Muylder;</i>
C0460	<b>MOLECULAR MARKERS FOR MILTEFOSINE RESISTANCE IDENTIFIED IN LEISHMANIA INFANTUM CLINICAL ISOLATES: POTENTIAL MILTEFOSINE PROGNOSTIC MARKERS FOR VISCERAL LEISHMANIASIS TREATMENT</b> <i>Juliana Brambilla Trindade Carnielli; Kathryn Crouch; Nicholas Dickens; Jeziel Dener Damasceno; Silvio Fernandes Guimaraes Carvalho; Carlos Henrique Nery Costa; Vladimir Costa Silva; Elaine Brown; Reynaldo Dietze; Jeremy Charles Mottram;</i>
C0527	<b>IMPACT OF MILTEFOSINE RESISTANCE AND HOST IMMUNE SUPPRESSION ON PARASITE FITNESS</b> <i>Eberhardt Eline; Hendrickx Sarah; Maes Louis; Caljon Guy;</i>
C0628	<b>MILTEFOSINE UNRESPONSIVENESS IN CLINICAL ISOLATES OF LEISHMANIA DONOVANI: APPARENT MECHANISMS AND CLINICAL IMPLICATIONS</b> <i>Poonam Salotra; Deepak Deep; Ruchi Singh; Vasundhra Bhandari; Aditya Verma; Vanila Sharma; Saima Wajid; Shyam Sundar; V Ramesh; Jean Claude Dujardin;</i>
C1006	<b>MAGNETIC HYPERTHERMIA AS A NOVEL APPROACH FOR TREATMENT OF CUTANEOUS LEISHMANIASIS</b> <i>Sarah Berry; Clare Hoskins; Neil Telling; Helen Price;</i>
C1728	<b>GLYOXALASE PATHWAYS INVOLVED IN DETOXIFICATION OF METHYLGLYOXAL COULD BE A POTENTIAL TARGET FOR DRUG DEVELOPMENT AGAINST LEISHMANIA DONOVANI</b> <i>Ambak Rai; Pavitra Ramdas; Lisha Verma; Kumar Gaurav; Smita Kumari; Sheetal Saini; Amit Kureel Kumar;</i>
C1814	<b>CYSTEINE SYNTHASE A KEY PROTEIN MODULATING AMPHOTERICIN B RESISTANCE AND SURVIVAL OF LEISHMANIA DONOVANI UNDER OXIDATIVE STRESS</b> <i>Vahab Ali; Kuljit Singh; Krishn Pratap Singh; Krishna Pandey; Pradeep Das;</i>

**SESSION 16 Clinical and experimental immunopathology and pathogenesis**

*Chairman: Manuel Barral Neto*

*Co-chairman: Eugenia Carrillo*

<b>C0140</b>	<b>MACROPHAGE ACTIVATION MARKER NEOPTERIN AS A PHARMACODYNAMIC BIOMARKER IN VISCERAL LEISHMANIASIS</b> <i>A.E. Kip; A. Musa; E.A.G. Khalil; M. Wasunna; F. Alves; T.P.C. Dorlo;</i>
<b>C0679</b>	<b>CHANGES IN RNA EXPRESSION PATTERN IN NEUTROPHILS OF PATIENTS WITH INDIAN VISCERAL LEISHMANIASIS</b> <i>Shweta Srivastva; Smriti Sharma; Richard Davis; Siddharth Sankar Singh; Susanne Nylen; Mary Wilson; Shyam Sundar;</i>
<b>C0724</b>	<b>MEGLUMINE ANTIMONIATE AND MILTEFOSIN TREATMENT PROTOCOLS TEND TO RESTORE CYTOKINE NORMAL LEVELS IN CANINE LEISHMANIOSIS</b> <i>Marcos Ferreira Santos; Graça Alexandre Pires; Cátia Marques; Ana Duarte; Joana Gomes; Lídia Gomes; Alexandra Basso; Ana Reisinho; José Meireles; Maria Pereira; Armanda Rodrigues; David Santos-Gomes; Gabriela Santos-Gomes; Isabel Pereira da Fonseca;</i>
<b>C0838</b>	<b>BLOOD MONOCYTES ARE SKEWED TOWARDS M2 LIKE PHENOTYPE, REFLECTED BY ACQUISITION OF TYPICAL M2 MARKERS AND INHIBITION OF PRO-INFLAMMATORY PHENOTYPE IN VISCERAL LEISHMANIASIS PATIENTS</b> <i>Neetu Singh; Rajiv Kumar; Shashi Bhushan; Christian Engwerda; Shyam Sundar;</i>
<b>C0977</b>	<b>CYTOTOXIC CD4+ T LYMPHOCYTES IN CUTANEOUS LEISHMANIASIS</b> <i>Clarissa Cunha Ferreira; Raquel Ferraz; Maria Ines Pimentel Fernandes; Marcelo Lyra; Armando Schubach; Alda da-Cruz Maria; Alvaro Bertho;</i>
<b>C1226</b>	<b>CONTRIBUTIONS OF CYTOTOXIC T LYMPHOCYTES, NK AND NKT CELLS IN IMMUNOPATHOLOGY OF HUMAN CUTANEOUS LEISHMANIASIS CAUSED BY LEISHMANIA (VIANNIA) BRAZILIENSIS</b> <i>Alvaro Luiz Bertho; Raquel Ferraz; Clarissa Cunha; Maria Ines Pimentel; Marcelo Lyra; Armando Schubach; Alda Maria Da-Cruz; Tatiana Pereira-da-Silva;</i>
<b>C0165</b>	<b>LEISHMANIA DONOVANI EXPLOITS SIALIC ACIDS, HOST SIGLECS AND SIALIDASE TO TURN DOWN MACROPHAGE ACTIVATION FOR SUCCESFUL INFECTION</b> <i>Chitra Mandal; Saptarshi Roy; Joyshree Karmakar; Devawati Dutta; Chhabinath Mandal;</i>
<b>C1327</b>	<b>INFLAMMATION AND PARASITE METASTIZATION IN THE PATHOGENESIS OF DISSEMINATED CUTANEOUS LEISHMANIASIS</b> <i>Olívia Bacellar; Albert Schriefer; Gabriel Grimaldi; Pedro Paulo Carneiro; Andreza Santos; Luiz Henrique Guimarães; Paulo Machado; Phillip Scott; Edgar M. Carvalho;</i>
<b>C0530</b>	<b>NOVEL THERAPEUTIC ADJUVANT FOR PROTECTION AGAINST LEISHMANIA DONOVANI INFECTION THROUGH ACTIVATION OF CD40 &amp; TLR4 LEADING TO RENEWAL OF GRANULOCYTE MONOCYTE PROGENITORS IN BONE MARROW: A NON-SELF ěCARBOHYDRATE-COMPLEX'</b> <i>Aritri Dutta; Priyankar Maji; Debasri Mukherjee mukherjee; Suvadip Mallick; Somaditya Dey; Dibyendu Kanti Majumdar; Jhuma Ganguly; Syed Sirajul Islam; Bhaskar Saha; Chiranjib Pal; Chiranjib Pal;</i>