

# **Scientific Program on Indo-Brazil Symposium**

**September 19, 2016**

10.00 A.M. – 10.10 A.M. Welcome Address by Director, CSIR-IICB  
10.10 A.M. – 10.15 A.M. Background – Hemanta K. Majumder (CSIR-IICB, Kolkata)  
10.15 A.M. – 10.20 A.M. Background – Wanderley de Souza (UFRJ, Brazil)  
10.20 A.M. – 10.25 A.M. Vote of Thanks by Organizing Secretary

**10.30A.M. – 11.00 A.M. Tea**

## **Scientific Session I**

**Chairpersons: Dr. Amit Ghosh and Dr. Samit Chattopadhyay**

11.00 A.M. – 11.40 A.M. Wanderley de Souza (UFRJ, Brazil)  
*(A review on structures and organelles that may constitute targets for new compounds against pathogenic trypanosomatids)*

11.40 A.M. – 12.05 P.M. Chandrima Shaha (NII, New Delhi)  
*(Early events in Leishmania infection determining parasite survival)*

12.05 P.M. – 12.30 P.M. Suvendra Nath Bhattacharyya (CSIR-IICB, Kolkata)  
*(Leishmania donovani restricts mitochondrial dynamics to enhance miRNP stability in host macrophages)*

12.30 P.M. – 12.55 P.M. Anindita Ukil (Department of Biochemistry, CU)  
*(Inside story! Hacking of human host defense by Leishmania parasites)*

12.55 P.M. – 01.20 P.M. Amitabha Mukhopadhyay (NII, New Delhi)  
*(Leishmania acquires heme from host hemoglobin via a specific receptor: a novel vaccine candidate)*

**01.30 P.M. – 02.15 P.M. Lunch**

**01.30 P.M. – 03.30 P.M. Poster Session**

## **Scientific Session II**

**Chairpersons: Dr. Chandrima Shaha and Dr. Chitra Dutta**

03.30 P.M. – 03.55 P.M. Rentala Madhubala (JNU, New Delhi)  
*(Twin attributes of tyrosyl tRNA-synthetase of Leishmania donovani: a housekeeping protein translation enzyme and a mimic of host CXC chemokine)*

03.55 P.M. – 04.20 P.M. Emile barrias (Inmetro, Brazil)  
*(The use of high content analysis to study drugs against Trypanosoma cruzi and Trypanosoma dionisii)*

04.20 P.M. – 04.45 P.M. Pradeep Das (RMRI, Patna)  
*(Current Status of Kala-azar (VL) elimination in Indian Sub-Continent)*

04.45 P.M. – 05.00 P.M. Tea

### **Scientific Session III**

**Chairpersons: Dr. Samit Adhya and Dr. Anuradha Dube**

05.00 P.M. – 05.25 P.M. Chinmay K. Mukhopadhyay (JNU, New Delhi)  
*(Leishmania donovani manipulates host iron homeostasis for its survival and growth)*

05.25 P.M. – 05.50 P.M. Subrata Majumder (Bose Institute, Kolkata)  
*(Co-administration of glycyrrhizic acid with the antileishmanial drug sodium antimony gluconate (SAG) cures SAG-resistant visceral leishmaniasis)*

05.50 P.M. – 06.15 P.M. Madhumita Manna (Barasat Govt. College)  
*(Characterization of A Naturally Occurring Miltefosine Resistant Leishmania donovani)*

06.15 P.M. – 06.40 P.M. Pijush K. Das (CSIR-IICB, Kolkata)  
*(How Leishmania parasite frustrates host defense)*

07.00 P.M. – 08.00 P.M. Cultural Program

08.00 P.M. – 09.00 P.M. Dinner

**September 20, 2016**

### **Scientific Session IV**

**Chairpersons: Dr. Pradeep Das and Dr. Uday Bandyopadhyay**

10.00 A.M. – 10.25 A.M. Sara Macedo Silva (UFRJ, Brazil)  
*(Combination therapy using different ergosterol biosynthesis inhibitors as promising tool for Leishmaniasis chemotherapy)*

10.25 A.M. – 10.50 A.M. Parasuraman Jaisankar (CSIR-IICB, Kolkata)  
*(3, 3'-Diindolylmethane (DIM) as potent anti-leishmanial agent targeting DNA topoisomerase 1B of Leishmania Donovanii)*

10.50 A.M. – 11.15 A.M. Susanta Kar (CSIR-CDRI, Lucknow)  
*(Tollip: an intracellular trafficking protein and dual negative regulator of TLR/IL-1R signalling in experimental visceral leishmaniasis)*

11.15 A.M. – 11.40 A.M. Chitra Mandal (CSIR-IICB, Kolkata)  
*(A prooxidant agent exerts antileishmanial activity through Th1 biased immune response)*

**11.40 A.M. – 12.00 P.M.      Tea**

## **Scientific Session V**

**Chairpersons: Dr. Rentala Madhubala and Dr. Rupak Bhadra**

12.00 P.M. – 12.25 P.M.      Anuradha Dube (CSIR-CDRI, Lucknow)  
*(Feasibility of Therapeutic Vaccines for The Management Of Visceral Leishmaniasis)*

12.25 P.M. – 12.50 P.M.      Aline Zuma (UFRJ, Brazil)  
*(New compounds that may target nuclear DNA: their effects against Trypanosoma cruzi)*

12.50 P.M. – 01.15 P.M.      Subrata Adak (CSIR-IICB, Kolkata)  
*(Control of catalysis in Leishmania heme containing adenylate cyclase by globin domains)*

01.15 P.M. – 01.40 P.M.      Somdeb Bose Dasgupta (IIT(BHU), Varanasi)  
*(Anti-depressing response to Leishmaniasis: characterizing DNA topoisomerase IA of Leishmania as a novel drug target)*

**01.40 P.M. – 02.25 P.M.      Lunch**

## **Scientific Session VI**

**Chairpersons: Dr. Parimal Sen and Dr. Rukhsana Chowdhury**

02.30 P.M. – 02.55 P.M.      Syamal Roy (Coochbehar Panchanan Barma University)  
*(Liposomal cholesterol treatment corrects altered conformation of MHC-II Protein in Leishmania donovani Infected host cells: Implication in therapy)*

02.55 P.M. – 03.20 P.M.      Nahid Ali (CSIR-IICB, Kolkata)  
*(Non invasive diagnosis and safer therapeutics for Kala-azar treatment)*

03.20 P.M. – 03.55 P.M.      Amit Roy (NIPER, Hajipur)  
*(Amprenavir induces topoisomerase I-dependent oxidative stress-mediated programmed cell death in unicellular parasite Leishmania donovani)*

03.55 P.M. – 04.20 P.M.      Arunima Biswas (Kalyani University)  
*(Role of modulators and effector of cAMP signaling pathway in infectivity of Leishmania: exploiting the signaling pathway to for anti-leishmanial targets)*

04.20 P.M. – 04.55 P.M.      Hemanta K. Majumder (CSIR-IICB, Kolkata)  
*(A Tale of Topoisomerases: DNA transaction enzymes of Leishmania donovani)*

**Presentation of prize for posters**

**Vote of Thanks by Organizing Secretary**