



**Meeting Program
Programa Científico**

NOVEMBER 03rd, 2014

14h00 - 20h00 - Registration

16h00 - 16h30 - Meeting Opening

Room A *Glória*

Welcome & Announcements

16h30 - 17h30 - Samuel Pessoa Conference

Room A *Glória*

Chair: Lucile M. Floeter Winter

SUCCESS UNDER ADVERSE CONDITIONS: THE *LEISHMANIA*

Jeffrey Jon Shaw (USP-ICB, São Paulo, SP-Brasil)

20h00 - 20h30 - Reunião do Conselho

**Room
Baependi**

20h30 - 22h30 – Poster Session

**Ginásio de
Esportes**

ODD Numbers/Números ÍMPARES

09h00 - 11h00 - OP.01 - Oral Presentations
BIOLOGY OF HOST-PARASITE INTERACTION**Room A**
Glória

Chair: Julio Scharfstein and Patricia Sampaio Tavares Veras

HP001 - BIOLUMINESCENCE IMAGING OF CHRONIC *TRYPANOSOMA CRUZI* INFECTIONS REVEALS TISSUE-SPECIFIC PARASITE DYNAMICS AND HEART DISEASE IN THE ABSENCE OF LOCALLY PERSISTENT INFECTION

AMANDA FORTES FRANCISCO (LONDON SCHOOL OF HYGIENE AND TROPICAL MEDICINE, LONDRES, REINO UNIDO)

HP002 - MELATONIN CONTROLS THE SUBVERSION OF MIRNA PROFILE OF MACROPHAGES BY *LEISHMANIA (LEISHMANIA) AMAZONENSIS* INFECTION

SANDRA M MUXEL (USP - INSTITUTO DE BIOSCIENCIAS, SAO PAULO, SP, BRASIL)

HP003 - MULTIPLE INNATE IMMUNE RECEPTORS PARTICIPATE OF THE AUTOPHAGY-MEDIATED RESTRICTION OF *TRYPANOSOMA CRUZI* REPLICATION IN MACROPHAGES

CATARINA VELTRINI HORTA (FMRP, RIBEIRAO PRETO, SP, BRASIL)

HP004 - STUDY OF SPLENIC AND PERIPHERAL BLOOD LYMPHOCYTES FROM BALB/C MICE IMMUNIZED WITH IRRADIATED TACHYZOITES OF *TOXOPLASMA GONDII*

NAHIARA ESTEVES ZORGI (UNIVERSIDADE SÃO PAULO, SAO PAULO, SP, BRASIL)

HP005 - IMMUNOMODULATORY ROLE OF SOCS2 IN MACROPHAGES STIMULATED WITH *TRYPANOSOMA CRUZI* ANTIGENS

MELISA GUALDRON LOPEZ (UFMG, BELO HORIZONTE, MG, BRASIL)

HP006 - THE V0D2 SUBUNIT OF RAW 264.7 VACUOLAR ATPASE IS REQUIRED FOR THE BIOGENESIS OF LARGE *LEISHMANIA AMAZONENSIS* PARASITOPHOROUS VACUOLES

CARINA CARRARO PESSOA (UNIFESP, SÃO PAULO, SP, BRASIL)

HP007 - CHARACTERIZATION OF FREE CERAMIDE IN *LEISHMANIA (VIANNIA) BRAZILIENSIS*

BÁRBARA RAQUEL MUNARETTI BRISQUE (UNIFESP, SÃO PAULO, SP, BRASIL)

HP008 - INTERFERON GAMMA AND INTERLEUKIN 10 ARE CRITICAL FOR HOST HOMEOSTASIS DURING ORAL INFECTION BY *NEOSPORA CANINUM*

TIAGO WILSON PATRIARCA MINEO (UFU, UBERLANDIA, MG, BRASIL)

HP009 - MHCII KNOCKOUT IMPAIRS *LEISHMANIA AMAZONENSIS* EXPERIMENTAL PATENT INFECTION

MARLUS ALVES DOS SANTOS (UFU, UBERLANDIA, MG, BRASIL)

HP010 - IL-27 SUPPRESSES PARASITE CONTROL DURING VISCERAL LEISHMANIASIS THROUGH REGULATION OF IL-17 PRODUCTION

GUSTAVO QUIRINO (FMRP-USP, RIBEIRAO PRETO, SP, BRASIL)

09h00 - 11h00 - OP.02 - Oral Presentations**BIOLOGY OF PROTOZOAN AND THEIR VECTOR****Room B****Caxambu**

Chair: Angela Kaysel Cruz and Sergio Schenkman

PV001 - USE OF SIRTUINS AS POSSIBLE DRUG TARGET FOR CHAGAS DISEASE TREATMENT

NILMAR SILVIO MORETTI (UNIFESP, SAO PAULO, SP, BRASIL)

PV002 - INVOLVEMENT OF T. CRUZI AND T. BRUCEI DNA MISMATCH REPAIR PROTEINS IN OXIDATIVE STRESS RESPONSE

VIVIANE GRAZIELLE DA SILVA (UFMG, BELO HORIZONTE - MG - BRASIL)PV003 - COMPARATIVE GENOMIC ANALYSIS OF *TRYPANOSOMA CRUZI* SINGLE CELL CLONES DERIVED FROM CL BRENER CLONE SUBMITTED TO GAMMA IRRADIATION**MARJORIE MENDES MARINI** (UNIFESP, SAO PAULO, SP, BRASIL)PV004 - PUTATIVE ROLE OF ARGININE METHYLATION BY LMJPRMT7 IN RBP FUNCTION AND VIRULENCE DURING *LEISHMANIA MAJOR* DEVELOPMENT**TIAGO RODRIGUES FERREIRA** (FMRP-USP, RIBEIRAO PRETO, SP, BRASIL)PV005 - IMMUCILLINS ARE POTENT COMPOUNDS THAT IMPAIR *LEISHMANIA INFANTUM* AND *LEISHMANIA AMAZONENSIS* MULTIPLICATION *IN VITRO*.**ELISANGELA OLIVEIRA DE FREITAS** (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

PV006 - ENZYMES FROM PENTOSE-PHOSPHATE PATHWAY OF TRYPANOSOMATIDS AS POTENTIAL DRUG TARGETS

MARCELO ALVES FERREIRA (CDTS/FIOCRUZ, RIO DE JANEIRO, RJ, BRASIL)PV007 - 17-AAG INDUCES INCIDENTAL CELL DEATH OF *LEISHMANIA* WITH AUTOPHAGIC FEATURES: EVIDENCE FOR A CROSSTALK BETWEEN AUTOPHAGIC AND PROTEOSOME PATHWAYS**ANTONIO LUIS DE OLIVEIRA ALMEIDA PETERSEN** (CPQGM-FIOCRUZ, SALVADOR, BA, BRASIL)PV008 - NEWER INSIGHTS INTO THE GENOME STRUCTURE AND DIVERSITY OF *TRYPANOSOMA CRUZI*.**JOHNNY WILLIAM LIMA DAS NEVES** (INSTITUTO CARLOS CHAGAS, CURITIBA, PR, BRASIL)PV009 - INFLUENCE OF A MAP KINASE DEPLETION ON *TRYPANOSOMA BRUCEI***MICHEL BATISTA** (ICC-FIOCRUZ, CURITIBA, PR, BRASIL)

PV010 - ARCHITECTURE OF A PARASITE CELL SURFACE: COMPLEX-TARGETING MECHANISMS REVEALED THROUGH PROTEOMICS

CATARINA GADELHA (UNIVERSITY OF NOTTINGHAM, NOTTINGHAM, REINO)**09h00 - 11h00 - OP.03 - Oral Presentations****TRANSLATIONAL BIOLOGY****Room C****Aiuruoca**

Chair: André Gustavo Tempone Cardoso and Gerhard Wunderlich

TB001 - INHIBITION OF *TRYPANOSOMA CRUZI* HISTONE METHYLTRANSFERASES AND DEACETYLASES AFFECTS PARASITE PROLIFERATION, CELL CYCLE AND ULTRASTRUCTURE**ALINE ARAUJO ZUMA** (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

TB002 - ANTI-*LEISHMANIA AMAZONENSIS* ACTIVITY OF α/β - AMYRIN DERIVATIVES
CHRISTIAN FERREIRA (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

TB003 - TRYPANOCIDAL AND LEISHMANICIDAL *IN VITRO* ACTIVITY OF DIAMINE DERIVATIVES
CAROLINE MONTEIRO DAFFARA (UEPG, PONTA GROSSA, PR, BRASIL)

TB004 - EFFICACY OF FUROSEMIDE ALONE OR IN COMBINATION WITH PENTOSTAM AGAINST MURINE VISCERAL LEISHMANIASIS
NATALIA ARRUDA-COSTA (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

TB005 - COMPARATIVE EFFICACY OF AN AMASTIGOTE-SPECIFIC *LEISHMANIA INFANTUM* PROTEIN AND TWO SYNTHETIC PEPTIDES TO INDUCE PROTECTION AGAINST VISCERAL LEISHMANIASIS
VIVIAN TAMIETTI MARTINS (UFMG, BELO HORIZONTE, MG, BRASIL)

TB006 - PROSPECTIVE EVALUATION OF THE CELL ACTIVATION DEGREE AND IMMUNOSENESCENCE OF T LYMPHOCYTES IN VISCERAL LEISHMANIASIS/HIV-1 COINFECTED PATIENTS
MARIA LUCIANA SILVA DE FREITAS (FIOCRUZ, RIO DE JANEIRO, RJ, BRASIL)

TB007 - 4-AMINOPYRIDYL-BASED CYP51 INHIBITORS AS ANTI-*TRYPANOSOMA CRUZI* DRUG LEADS WITH IMPROVED PHARMACOKINETIC PROFILE AND *IN VIVO* POTENCY
CLÁUDIA MAGALHÃES CALVET (FUNDAÇÃO OSWALDO CRUZ, RIO DE JANEIRO, RJ, BRASIL)

TB008 - *LEISHMANIA CHAGASI* KILLING BY INFECTED MACROPHAGES IS IMPROVE BY SOLUBLE CD40 LIGAND PRESENT IN SERA OF SUBJECTS EXPOSED TO *LEISHMANIA CHAGASI* INFECTION
FABRICIA ALVISI DE OLIVEIRA (UFS, ARACAJU, SE, BRASIL)

TB009 - NANOSTRUCTURED SYSTEMS OF QUERCETIN FOR ORAL TREATMENT OF MURINE VISCERAL LEISHMANIASIS
ARIANE DE JESUS SOUZA BATISTA (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

TB010 - SCREENING OF NOVEL COMPOUNDS FOR CHAGAS DISEASE TREATMENT : *IN VITRO* AND *IN VIVO* ANTI- *TRYPANOSOMA CRUZI* ACTIVITY OF NATURAL PRODUCTS
POLICARPO ADEMAR SALES-JUNIOR (FIOCRUZ, BELO HORIZONTE, MG, BRASIL)

11h00 - 11h30 - COFFEE BREAK

Salão de Jogos

11h30 - 12h30 - CO.01 - Conference

Room A Glória

Chair: Angela Kaysel Cruz

RECOGNITION OF PROTOZOAN PARASITES BY INTRACELLULAR INNATE IMMUNE RECEPTORS
Dario Simões Zamboni (USP – FRMP, Ribeirão Preto, SP – Brasil)

12h30 - 14h00 - LUNCH

14h00 - 16h00 - RT.01 - RoundTable**OXIDATIVE STRESS IN THE PARASITE-HOST INTERPLAY****Room A Glória**

Chair: Leda Quercia Vieira

RT.01.001 - *LEISHMANIA*-INDUCED NETOSIS IS DEPENDENT OF CELLULAR REDOX IMBALANCE MEDIATED BY NITRIC OXIDE SYNTHASE AND NADPH OXIDASE ACTIVITIES.

Elvira Maria Saraiva (UFRJ, Rio de Janeiro, RJ, Brasil)

RT.01.002 - ANTIOXIDANTS AND CARDIOPROTECTION IN CHAGAS' HEART DISEASE

Claudia Neto Paiva (UFRJ, Rio de Janeiro, RJ, Brasil)

RT.01.003 - ROLE OF MITOCHONDRIA IN TRYPANOSOMATIDS SURVIVAL

Fernanda Ramos Gadelha (UNICAMP-IB, Campinas, SP, Brasil)

RT.01.004 - SENSE OR NOT SENSE THE OXIDATIVE STRESS: THAT IS THE QUESTION

Carlos Renato Machado (UFMG, Belo Horizonte, MG, Brasil)

14h00 - 16h00 - RT.02 - RoundTable**PAVING THE WAY FOR ANTI-PARASITIC CHEMOTHERAPY****Room B****Caxambu**

Chair: ARIEL MARIANO SILBER

RT.02.001 - A PUBLIC-PRIVATE PARTNERSHIP TO FIGHT VISCERAL LEISHMANIASIS: STUDY OF A NOVEL LIPOSOMAL FORMULATION OF BUPARVAQUONE

André Gustavo Tempone Cardoso (Instituto Adolfo Lutz, Centro de Parasitologia e Micologia, São Paulo, SP, Brasil)

RT.02.002 - EXPLOITATION OF AUXOTROPHIES AND METABOLIC DEFECTS IN TOXOPLASMA AS THERAPEUTIC APPROACHES

Isabelle Coppens (JHMRI, Baltimore, MD, USA)

RT.02.003 - THE EPIGENETIC ROAD TOWARD ANTIPARASITIC DRUG DISCOVERY

Flavio da Silva Emery (USP-FCFRP, Ribeirão Preto, SP, Brasil)

RT.02.004 - YEAST AS A VEHICLE FOR ANTI-KINETOPLASTID DRUG DISCOVERY

Paul Denny (Durham University – School of Medicine, Pharmacy and Healthy, Durham, UK)

14h00 - 16h00 - RT.03 - RoundTable**FROM GENOMIC PLASTICITY TO CELL INFECTION: A MOLECULAR VIEW OF PROTOZOA****Room C****Aiuruoca**

Chair: M Carolina Elias

RT.03.001 - DRIVING LICENSING, DIRECTION, AND ROAD CONDITIONS OF DNA REPLICATION IN TRYPANOSOMES

Maria Carolina Elias Sabbaga (Instituto Butantan, São Paulo, SP, Brasil)

RT.03.002 - A DIVERGENT 9-1-1 CLAMP IS POSSIBLY INVOLVED IN *LEISHMANIA* GENOME PLASTICITY

Ricardo Orsini Tosi (USP – FMRP, Ribeirão Preto, SP, Brasil)

RT.03.003 - IMMEDIATE EARLY RESPONSE GENES IN *TRYPANOSOMA CRUZI* INFECTION

Carlos Robello (Unidad de Biología Molecular-Institut Pasteur de Montevideo, Montevideo,

RT.03.004 - Different Caps for Different Occasions - The RNA cap biology of *Trichomonas vaginalis*

Augusto Mello Simões Barbosa (University of Auckland, Auckland, New Zealand)

16h00 - 16h30 - COFFEE BREAK

Salão de Jogos

16h30 - 17h00 - MC.01 - Mini Conference

Room A
Glória

Chair: Lucile Maria Floeter-Winter

ARGININE DEPRIVATION INDUCES AN MAPK2-MEDIATED SIGNALING PATHWAY IN *LEISHMANIA*

Dan Zilberstein (Israel Institute of Technology - Faculty of Biology, Haifa, Israel)

16h30 - 17h00 - MC.02 - Mini Conference

Room B
Caxambu

Chair: Santuza Maria Ribeiro Teixeira

GENOMICS AS A TOOL TO STUDY CELL-SURFACE VARIABILITY IN *TRYPANOSOMA CRUZI*

Daniella Castanheira Bartholomeu (UFMG – ICB, Belo Horizonte, MG, Brasil)

16h30 - 17h00 - MC.03 - Mini Conference

Room C
Aiuruoca

Chair: Jeffrey Jon Shaw

15 YEARS OF MEDICAL ACTION IN CHAGAS: PREVENTION, DIAGNOSIS, TREATMENT AND CURE

Lucia Maria Brum Soares (Médico Sem Fronteiras, Rio de Janeiro, RJ, Brasil)

17h00 - 17h30 - MC.04 - Mini Conference

Room A
Glória

Chair: Lucile Maria Floeter-Winter

ENDOSYMBIOSIS IN TRYPANOSOMATIDS: AN ETERNAL LOVE AFFAIR

Maria Cristina Machado Motta (UFRJ – IBCCF, Rio de Janeiro, RJ, Brasil)

17h00 - 17h30 - MC.05 - Mini Conference

Room B
Caxambu

Chair: Santuza Maria Ribeiro Teixeira

THE INTERSECTION OF PARASITE AND HOST METABOLISM IN THE *TRYPANOSOMA CRUZI* INTRACELLULAR GROWTH CYCLE.

Barbara Burleigh (HSPH, Boston, MA, USA)



17h30 - 18h30 - CO.02 - Conference

Room A *Glória*

Chair: Jeffrey Jon Shaw

THE IMPACT OF IMMUNITY TO SAND FLY SALIVARY PROTEINS ON LEISHMANIASIS: FROM BASIC SCIENCE TO TRANSLATIONAL RESEARCH.

Jesus G. Valenzuela (NIAID – NIH, Rockville, MD, USA)

18h30 - 19h30 - Plenary Session of SBPz

Room B
Caxambu

20h30 - 22h30 - Poster Session

Ginásio de Esportes

EVEN Numbers/Números PARES

09h00 - 11h00 - OP.04 - Oral Presentations
BIOLOGY OF HOST-PARASITE INTERACTION**Room A Glória**

Chair: Clara Lucia Barbieri Mestriner and Tiago Wilson Patriarca Mineo

HP011 - *PLASMODIUM VIVAX*: PROFILE OF MEMORY AND NAÏVE CD8+ TCD8+ T CELL DURING INFECTION**NATALIA SATCHIKO HOJO DE SOUZA** (UFMG, BELO HORIZONTE, MG, BRASIL)HP012 - DRUG DELIVERY SYSTEMS POTENTIATES 17-(ALLYLAMINO)-17-DEMETHOXYGELDANAMYCIN (17-AAG) LEISHMANICIDAL EFFECT *IN VITRO***CARLOS EDUARDO SAMPAIO GUEDES** (CPQGM - FIOCRUZ, SALVADOR, BA, BRASIL)HP013 - DUAL EFFECT OF IFN- γ DURING *LEISHMANIA AMAZONENSIS* INFECTION**MATHEUS BATISTA HEITOR CARNEIRO** (UFMG, BELO HORIZONTE, MG, BRASIL)HP014 - DIFFERENTIAL DNA DAMAGE RESPONSE THROUGHOUT AFRICAN TRYPANOSOME LIFE CYCLE
JOÃO PEDRO VIEIRA DA ROCHA (UFMG, BELO HORIZONTE, MG, BRASIL)HP015 - THE ROLE OF CLASS III PHOSPHATIDYLINOSITOL 3-KINASE (PIK) TCVPS34 IN *TRYPANOSOMA CRUZI* INVASION**MERCEDES SOARES-SILVA** (UFMG, BELO HORIZONTE, MG, BRASIL)

HP016 - ENCAPSULATION OF CHALCONE CH8 IN LIPID CORE NANOCAPSULES (LNC) POSITIVELY MODULATE MICROBICIDAL MECHANISMS IN MURINE CUTANEOUS LEISHMANIASIS.

DOUGLAS ESCRIVANI DE OLIVEIRA (UFRJ, RIO DE JANEIRO, RJ, BRASIL)HP017 - ARYL HYDROCARBON RECEPTOR (AHR) IN THE COURSE OF EXPERIMENTAL SEVERE MALARIA
FATIMA BRANT (UFMG, BELO HORIZONTE, MG, BRASIL)HP018 - DRUG RESISTANCE IS ASSOCIATED WITH DOWN MODULATION THE MACROPHAGE KILLING MECHANISMS IN ANTIMONY RESISTANT CLINICAL ISOLATES OF *LEISHMANIA INFANTUM CHAGASI*
TATIANA RODRIGUES DE MOURA (UFS, ARACAJU, SE, BRASIL)HP019 - NOD/RIP2 SIGNALING CONTRIBUTE TO DEVELOPMENT OF A TH1 RESPONSE AND RESISTANCE AGAINST *L. MAJOR* INFECTION**DJALMA SOUZA LIMA-JUNIOR** (FMRP-USP, RIBEIRAO PRETO, SP, BRASIL)HP020 - REVEALING A POTENTIAL P21-MEDIATED *TRYPANOSOMA CRUZI* EVASION MECHANISM
FLÁVIA ALVES MARTINS (UFU, UBERLANDIA, MG, BRASIL)

09h00 - 11h00 - OP.05 - Oral Presentations
BIOLOGY OF PROTOZOAN AND THEIR VECTOR**Room B**
Caxambu

Chair: Osvaldo Pompilio de Melo Neto and Wanderson Duarte Darocha

PV011 - MECHANISM OF INHERITANCE OF THE APICOPLAST GENOME
ERICA DOS SANTOS MARTINS-DUARTE (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

PV012 - IDENTIFICATION AND CHARACTERISATION OF A PUTATIVE CELL SURFACE RECEPTOR FOR PAF AND LPC IN *TRYPANOSOMA CRUZI*
LOUISE ELIZABETH KEMP (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

PV013 - EX VIVO ACTIVITY OF QUINOLINE DERIVATIVES AND DRUG-RESISTANCE GENE CHARACTERIZATION OF *PLASMODIUM VIVAX* AND *P. FALCIPARUM* ISOLATES FROM BRAZILIAN PATIENTS.
ANNA CAROLINE CAMPOS AGUIAR (UFMG, BELO HORIZONTE, MG, BRASIL)

PV014 - HEME MODULATES MITOCHONDRIAL BIOENERGETICS IN *TRYPANOSOMA CRUZI* EPIMASTIGOTES
FRANCIS MONIQUE DE SOUZA SARAIVA (UERJ, RIO DE JANEIRO, RJ, BRASIL)

PV015 - KINETOPLAST ASSOCIATED PROTEINS IN SYMBIONT BEARING TRYPANOSOMATIDS
SILVANA SANTANNA DE SOUZA (UFRJ-RJ, RIO DE JANEIRO, RJ, BRASIL)

PV016 - QUANTITATIVE UBIQUITINOME OF *TRYPANOSOMA CRUZI* METACYCLOGENESIS
CARLA VANESSA DE PAULA LIMA ICC (CURITIBA, PR, BRASIL)

PV017 - STABLE ISOTOPE LABELING BY AMINO ACIDS IN CELL CULTURE (SILAC) IMPLEMENTATION FOR *TRYPANOSOMA CRUZI*
FABRICIO KLERYNTON MARCHINI (ICC / FIOCRUZ-PR, CURITIBA, PR, BRASIL)

PV018 - DERIVATIVES FROM MEVALONATE PATHWAY INTERFERE WITH *LEISHMANIA AMAZONENSIS* GROWTH *IN VITRO*
LILIANE SENA PINHEIRO (INSTITUTO OSWALDO CRUZ, RIO DE JANEIRO, RJ, BRASIL)

PV019 - A PUTATIVE LEUCYL, PHENYLALANYL-TRNA-PROTEIN TRANSFERASE HOMOLOGUE IS ESSENTIAL FOR *LEISHMANIA MAJOR*: THE POSSIBLE CRITICAL ROLE OF N-END RULE PATHWAY.
ROHIT SHARMA (FMRP -USP, RIBEIRAO PRETO, SP, BRASIL)

PV020 - A NEW METHOD FOR GENOTYPING OF *TRYPANOSOMA CRUZI* BASED ON MASSIVE PARALLEL SEQUENCING
CHRISTIAN MACAGNAN PROBST (ICC - FIOCRUZ, CURITIBA, PR, BRASIL)



Chair: Daniel Y. Bargieri and Eduardo Ferraz Coelho

TB011 - GENERATION OF LUCIFERASE-EXPRESSING *LEISHMANIA INFANTUM* CHAGASI: ASSESSING MILTEFOSINE EFFICACY IN INFECTED HAMSTERS THROUGH INTRAVITAL MICROSCOPY
JULIANA QUERO REIMÃO (UNIVERSIDADE DE SÃO PAULO, SAO PAULO, SP, BRASIL)

TB012 - HOST CHOLESTEROL INFLUENCE THE ACTIVITY OF STEROL BIOSYNTHESIS INHIBITORS IN *LEISHMANIA AMAZONENSIS*
VALTER VIANA DE ANDRADE-NETO (FIOCRUZ, RIO DE JANEIRO, RJ, BRASIL)

TB013 - EXPLOITING *TRYPANOSOMA CRUZI* P21 BIOLOGICAL ACTIVITIES
ALINE ALVES DA SILVA (UFU, UBERLANDIA, MG, BRASIL)

TB014 - EPITOPE MAPPING OF THE HSP83.1 PROTEIN OF **LEISHMANIA BRAZILIENSIS** DISCLOSES NOVEL TARGETS FOR THE IMMUNODIAGNOSIS OF TEGUMENTARY AND VISCERAL CLINICAL FORMS OF LEISHMANIASIS
JOÃO LUIS REIS CUNHA (UFMG, BELO HORIZONTE, MG, BRASIL)

TB015 - *IN VIVO* EFFECTS OF BENZNIDAZOLE IN COMBINATION WITH E1224 AGAINST *TRYPANOSOMA CRUZI* INFECTION
LIVIA DE FIGUEIREDO DINIZ (UFOP, OURO PRETO, MG, BRASIL)

TB016 - MOLECULAR IDENTIFICATION OF A REGION ASSOCIATED WITH RESISTANCE IN PFOR GENE IN STRAINS OF AXENIC *GIARDIA LAMBLIA* EXPOSED TO NITROIMIDAZOLE
MARIA FANTINATTI FERNANDES DA SILVA FANTINATTI (FIOCRUZ, RJ BRASIL)

TB017 - NEW NITRO COMPOUNDS AGAINST CHAGAS DISEASE: THE EFFECT OF THE PBN DERIVATES UPON *TRYPANOSOMA CRUZI*
ANTONIO ELTON LEITAO RODRIGUES (UERJ, RIO DE JANEIRO, RJ, BRASIL)

TB018 - ROLE OF DIETARY RETINOL ON THE LAAG ORAL VACCINE EFFICACY AGAINST *LEISHMANIA AMAZONENSIS* INFECTION
JÚLIA GAMA DE AZEVEDO (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

TB019 - PROTEIN INTERACTION WITHIN *TRYPANOSOMA BRUCEI* MAP-KINASE FAMILY
DÉBORA KULKA KULKA AMARANTE E SILVA (INSTITUTO CARLOS CHAGAS,

TB020 - ENCAPSULATION IN LIPID CORE NANOCAPSULES (LNC) IMPROVES THE TOPICAL EFFICACY OF CHALCONE CH8 IN CUTANEOUS LEISHMANIASIS
MILENE VALÉRIA LOPES (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

11h30 - 12h30 - CO.03 - Conference**Room A Glória**

Chair: Osvaldo Pompilio de Melo Neto

TEN YEARS SINCE THE GENOME SEQUENCE; EVOLUTIONARY, MOLECULAR AND CELLULAR BIOLOGY OF AFRICAN TRYPANOSOMES

Mark Carrington (University of Cambridge, London, UK)**12h30 - 14h00 - LUNCH****14h00 - 16h00 - RT.04 - RoundTable**

IMMUNE RESPONSE TO LEISHMANIA

Room A Glória

Chair: Luis Carlos Crocco Afonso

RT.04.001 - AN OVERVIEW OF THE SYSTEMIC AND COMPARTMENTALIZED IMMUNE RESPONSE IN CANINE VISCERAL LEISHMANIASIS.

Alexandre Barbosa Reis (UFOP – ICEB, Ouro Preto, MG, Brasil)

RT.04.002 - THE ROLE OF NEUTROPHILS DURING VISCERAL LEISHMANIASIS: EFFECTOR AND REGULATORY MECHANISMS

Vanessa Carregaro Pereira (USP – FMRP, Ribeirão Preto, SP, Brasil)RT.04.003 - HOW AND WHEN A CUTANEOUS LEISHMANIASIS PATIENT ACHIEVES AN IMMUNOLOGICAL PROFILE ASSOCIATED WITH CURE OR PROTECTION AGAINST *LEISHMANIA (VIANNIA) BRAZILIENSIS***Alda Maria da Cruz** (IOC-Fiocruz, Rio de Janeiro, RJ, Brasil)

RT.04.004 - CYTOTOXIC RESPONSES ARE RESPONSIBLE FOR TISSUE INJURY IN THE LESIONS OF LEISHMANIASIS CUTANEOUS PATIENTS

Claudia Ida Brodskyn (CPQGM - Fiocruz, Salvador, BA, Brasil)**14h00 - 16h00 - RT.05 - RoundTable**

CELLULAR AND MOLECULAR INTERACTIONS OF APICOMPLEXAN PARASITES AND THEIR HOSTS

**Room B
Caxambu**

Chair: Edmundo Carlos Grisard

RT.05.001 - *TOXOPLASMA GONDII* USES APOPTOTIC MIMICRY TO EVADE THE NITRIC OXIDE MICROBICIDAL DEFENSE SYSTEM**Renato Augusto DaMatta** (UENF, Rio de Janeiro, RJ, Brasil)

RT.05.002 - MRNA EXPORT IN PARASITES AND MAMMALS: ARE THEY USING THE SAME PATHWAYS?

Andréa Rodrigues Ávila (ICC-FIOCRUZ, Curitiba, PR, Brasil)

RT.05.003 - HOTSPOTS OF BLOOD VESSEL INVASION BY MALARIA SPOOROZOITES

Rogério Amino (Institut Pasteur, Paris, France)

RT.05.004 - INFLAMMASOME ACTIVATION DURING PLASMODIUM INFECTION

Marco Ataíde (UFMG, Belo Horizonte, MG, Brasil)

14h00 - 16h00 - RT.06 - RoundTable
INSIGHTS INTO VECTOR PATHOGEN INTERACTIONS**Room C**
Aiuruoca

Chair: Yara Maria Traub-Cseko

RT.06.001 - NEW INSIGHTS INTO THE PROTEIN AND GLYCAN COMPOSITION OF TRYPANOSOME-INFECTED TSETSE SALIVA

Alvaro Acosta-Serrano (Liverpool School of Tropical Medicine, Liverpool, UK)

RT.06.002 - EXPLORING THE TICK RESPONSE TO RICKETTSIAL INFECTION

Sirlei Daffre (USP – ICB, São Paulo, SP, Brasil)RT.06.003 - CHARACTERIZATION OF *LUTZOMYIA LONGIPALPIS* INTERACTION WITH *LEISHMANIA* AND VIRUS**Yara Maria Traub-Cseko** (IOC-FRIOCruz, Rio de Janeiro, RJ, Brasil)

RT.06.004 - WOLBACHIA IN A DENGUE CONTROL STRATEGY

Luciano Andrade Moreira (CPQRR-FRIOCruz, Belo Horizonte, MG, Brasil)**16h00 - 16h30 - COFFEE BREAK****Salão de Jogos****16h30 - 17h00 - MC.06 - Mini Conference****Room A**
Glória

Chair: Osvaldo Pompilio de Melo Neto

TRYPANOSOMATID KINOMES; NEW APPROACHES FOR TARGET VALIDATION

Jeremy Mottran (University of Glasgow, Glasgow, Scotland)**16h30 - 17h00 - MC.07 - Mini Conference****Room B**
Caxambu

Chair: Marcia Attias

DEEP THROAT: THE CYTOSTOME COMPLEX OF *TRYPANOSOMA CRUZI***Narcisa Leal da Cunha-e-Silva** (UFRJ – BIOF, Rio de Janeiro, RJ, Brasil)**16h30 - 17h00 - MC.08 - Mini Conference****Room C**
Aiuruoca

Chair: Carlos Renato Machado

GENOME-WIDE CO-ORDINATION OF DNA REPLICATION INITIATION IN KINETOPLASTID PARASITES

Richard McCulloch (University of Glasgow - Institute of Infection, Immunity and Inflammation, Glasgow, Scotland)



17h00 - 17h30 - MC.09 - Mini Conference

Room A
Glória

Chair: Walter Colli

IMPROVED *T. CRUZI* COMPARATIVE GENOME SEQUENCING REVEALS MECHANISMS OF GENETIC EXCHANGE AND THE FULL SURFACE ANTIGEN REPERTOIRE

Björn Andersson (KAROLINSKA INSTITUTET, STOCKHOLM - SUÉCIA)

17h00 - 17h30 - MC.10 - Mini Conference

Room B
Caxambu

Chair: Rogerio Amino

PLASMODIUM INVASION OF HOST CELLS: AN UPDATE

Robert Menard (Institute Pasteur, Paris, France)

17h30 - 18h30 - CO.04 - Conference

Room A Glória

Chair: Samuel Goldenberg

MALARIA PARASITE IMMUNE EVASION: FROM BASIC RESEARCH TO NEW INTERVENTION STRATEGIES

Artur Scherf (Institute Pasteur, Paris, France)

18h30 - 19h30 - Brainstorm

Room B
Caxambu

O papel do pós-doc na ciência do Brasil e do mundo

Angela Kaysel Cruz (*Departamento de Biologia Celular e Molecular e Bioagentes Patogênicos - FMRP-USP, Ribeirão Preto, SP, Brasil*)

Dario Zamboni (*Departamento de Biologia Celular e Molecular e Bioagentes Patogênicos - FMRP-USP, Ribeirão Preto, SP, Brasil*)

Bruno da Rocha Azevedo (*Instituto Carlos Chagas Filho - UFRJ, Rio de Janeiro, RJ, Brasil*)

20h30 - 21h30 - Closure Conference

Room A
Glória

Chair: Samuel Goldenberg

ARGININE FATE IN *LEISHMANIA* - A GAME OF MANY PLAYERS.

Lucile Maria Floeter-Winter (USP – IB, São Paulo, SP, Brasil)

21h30 - 22h30 - Zigman Brener Awards and Closer Remarks

Room A
Glória