



**Meeting Program
Programa Científico**

SEPTEMBER 30th, 2012

10h00 - 17h30 - Pre-Meeting Course

Room B
São Lourenço

Curso Básico em Citometria de Fluxo Multicolor
Ricardo Gonçalves (*UFMG, Belo Horizonte, MG, Brasil*)

OCTOBER 01st, 2012

09h00 - 12h00 - Pre-Meeting Course

Room B
São Lourenço

O Uso de Imagens em Pesquisa e no Ensino: Avanços na Obtenção e Apresentação de Imagens
Marlene Benchimol (*UFRJ, Rio de Janeiro, RJ, Brasil*)

14h00 - 20h00 - Registration

16h00 - 16h20 - Meeting Opening

Room A
Caxambu

Welcome & Announcements

16h20 - 17h20 - Samuel Pessoa Conference

Room A
Caxambu

GROWTH CONTROL IN TRYPANOSOMES. WHAT IS NEW AFTER THE GENOME?

SERGIO SCHENKMAN (*UNIFESP, São Paulo, SP, Brasil*)

Chair: M. Carolina Elias

18h00 - 19h00 - Reunião do Conselho

Room B
São Lourenço

20h30 - 22h30 - PS - 01 – Poster Session

Ginásio de Esportes

ODD Numbers/Números ÍMPARES



09h00 - 11h00 - OP.01 - Oral Presentations - Molecular Biology

Room A
Caxambu

Chair: ADRIANA LUDWIG and CONSTANÇA F.P. DE CARVALHO

BM001 - Small RNAs as microvesicle cargo in *T. cruzi* are linked to cell-to-cell communication, metacyclogenesis and susceptibility to infection.

MARIA ROSA GARCIA-SILVA (*IPMONT - URUGUAI*)

BM003 - DNA replication analysis of a 347kb fragment from *T. brucei* chromosome 1

SIMONE GUEDES CALDERANO (*IB-CAT - BRASIL*)

BM008 - Development of tools for systematic analyses of parasites genes involved in mRNA nucleocytoplasmic export

ANDREA RODRIGUES AVILA (*Instituto Carlos Chagas - Fiocruz -PR - Brasil*)

BM063 - Genomic analysis of sequence-dependent DNA curvature in *Leishmania*

PABLO SMIRCICH (*FACULTAD DE CIENCIAS - URUGUAI*)

BM065 - EARLY DIAGNOSIS OF CHAGAS DISEASE REACTIVATION AND TRYPANOSOMA CRUZI GENOTYPING BY PCR ANALYSES DIRECTLY IN TISSUES OF PATIENTS SUBMITTED TO HEART TRANSPLANTATION

MARCELA SEGATTO (*UFMG - BRASIL*)

BM077 - Role of the Chromatin Remodeling Enzyme HDAC1 in *Leishmania amazonensis* Infection: Implications for Host Transcription Repression

TERESA CRISTINA CALEGARI-SILVA (*UFRJ - BRASIL*)

BM088 - POLYMORPHISMS IN THE IL-1 CLUSTER ARE ASSOCIATED WITH DIFFERENT CLINICAL OUTCOME OF CHAGAS DISEASE IN PATIENTS FROM RIO GRANDE DO NORTE, BRAZIL

CAROLINA CATTONI KOH (*UFMG - BRASIL*)

BM111 - Phylogenomic evidence of ancient horizontal gene transfer from bacteria to *Trypanosoma cruzi* of genes encoding invasion proteins

DANIELLE CARMO SILVA (*UNIFESP - BRASIL*)

BM118 - Global analysis of trans-splicing sites in *Trypanosoma cruzi*

CHRISTIAN MACAGNAN PROBST (*FIOCRUZ, IOC, CURITIBA, PR, BRASIL*)

BM122 - Transformation of *Leishmania* using cross-species whole genomic DNA

ADRIANO CAPPELLAZZO COELHO (*CENTRE DE RECHERCHE EN INFECTIOLOGIE, LAVAL UNIVERSITY-CANADÁ*)

09h00 - 11h00 - OP.02 - Oral Presentations – Immunology

Room B
São Lourenço

Chair: ANA CLAUDIA TROCOLI TORRECILHAS and RICARDO GONÇALVES

IM017 - Characterization of the mechanisms involved on Neutrophil Extracellular traps (NETs) formation induced by *Leishmania amazonensis*

NATALIA CADAXO ROCHAEL (*UFRJ - BRASIL*)

IM031 - THE NOD-LIKE RECEPTORS ACCOUNT FOR INNATE AND ADAPTIVE IMMUNITY AGAINST LEISHMANIA INFECTION

DJALMA SOUZA LIMA-JUNIOR (*FMRP/USP - BRASIL*)



IM033 - Mast cells propagate inflammation in peripheral sites of *Trypanosoma cruzi* infection through the activation of the kallikrein-kinin cascade

CLARISSA RODRIGUES NASCIMENTO (UFRJ - BRASIL)

IM049 - TLR9 CONTRIBUTES TO EFFICIENT CONTROL OF INFECTION WITH THE PROTOZOAN PARASITE *LEISHMANIA INFANTUM* CHAGASI THROUGH NEUTROPHILS RECRUITMENT

LAIS AMORIM SACRAMENTO (FMRP - USP - BRASIL)

IM053 - PI3K γ CONFERS RESISTENCE TO INFECTION BY *TRYPANOSOMA CRUZI* AND IS IMPORTANT FOR THE MICROBICIDAL ACTIVITY OF MACROPHAGES.

MARIA CLAUDIA DA SILVA (FMRP - BRASIL)

IM057 - The Aryl Hydrocarbon Receptor (AhR) activation and its effects in development of immune response, myocarditis and reactive oxygen species production during *Trypanosoma cruzi* experimental infection

ANDREIA BARROSO (UFMG - BRASIL)

IM063 - *Neospora caninum* limits host cell ROS production through Dectin-1 innate recognition pathway

MURILO VIEIRA SILVA (UFU - BRASIL)

IM095 - CD8⁺ T-CELLS EXPRESSING INTERFERON GAMMA OR PERFORIN PLAY ANTAGONISTIC ROLES IN HEART INJURY IN EXPERIMENTAL *TRYPANOSOMA CRUZI*-ELICITED CARDIOMYOPATHY

JOSELI LANNES-VIEIRA (FIOCRUZ - BRASIL)

09h00 - 11h00 - OP.03 - Oral Presentations – Chemotherapy

Room C
Baependi

Chair: AUGUSTO SAVIO PEIXOTO RAMOS and DEIVID COSTA SOARES

QT007 - Successful therapy with Pentoxifylline for *Trypanosoma cruzi*-induced damage: from cardiomyocyte culture to reversion of chronic cardiomyopathy

ISABELA RESENDE PEREIRA (FIOCRUZ - BRASIL)

QT019 - THE PROLINEMIA AS A VIRULENCE FACTOR IN THE EXPERIMENTAL *TRYPANOSOMA CRUZI* INFECTION

SANDRA CARLA ROCHA (ICB/USP - BRASIL)

QT034 - ANTILEISHMANIAL ACTIVITY OF 18-ETHOXYCORONARIDINE HYDROCHLORIDE, A NOVEL IBOGA-TYPE ALKALOID, AGAINST *Leishmania chagasi*

TAHIRA SOUZA MELO (UPM - BRASIL)

QT045 - Benznidazole decreases cytokine expression of inflammation cell in dogs treated and cured in acute phase of experimental Chagas disease

ANA LUIZA CASSIN DUZ (UFOP - BRASIL)

QT055 - Efficacy of a sesquiterpene lactone in controlled releasing systems for experimental Chagas disease

MARIANE ROCHA SIMÕES SILVA (UFOP - BRASIL)



QT059 - ENCAPSULATION IN POLY(EPSILON-CAPROLACTONE) NANOCAPSULES INCREASES THE ORAL EFFICACY OF QUERCETIN AGAINST CUTANEOUS LEISHMANIASIS

ARIANE DE JESUS SOUSA BATISTA (UFRJ - BRASIL)

QT067 - TREATMENT OF CUTANEOUS LEISHMANIASIS USING A SUBCUTANEOUS IMPLANT OF PLGA MICROPARTICLES LOADED WITH AMPHOTERICIN B

WALLACE PACIENZA-LIMA (IBCCF-UFRJ - BRASIL)

09h00 - 11h00 - OP.04 - Oral Presentations – Cell Biology

Room D
Lambari

Chair: CLAUDIO VIEIRA DA SILVA and ROSSIANE VOMMARO

BC013 - Cell-to-cell transfer of *Leishmania* amastigotes observed by multidimensional live imaging: participation of extrusomes in host cell egress and reinfection

FERNANDO REAL (UNIFESP - BRASIL)

BC014 - *Trypanosoma cruzi* extracellular amastigotes (EAs) and host cell signaling: more pieces to the puzzle

DIANA BAHIA (UNIFESP-EPM - BRASIL)

BC025 - The role of Nod/Rip2 pathway in autophagy induction in response to *Trypanosoma cruzi* infection

CATARINA VELTRINI HORTA (FMRP - BRASIL)

BC034 - THE NATURAL CYSTEINE PEPTIDASE INHIBITOR OF THE AFRICAN TRYPANOSOME PLAYS A ROLE IN BRAIN ENDOTHELIAL ACTIVATION AND IN PARASITE VIRULENCE

TATIANA FERREIRA ROCHA COSTA (IBCCF-UFRJ - BRASIL)

BC040 - On the Ultrastructural Organization of *Trypanosoma cruzi* Using Cryopreparation Methods and Electron Tomography

KILDARE MIRANDA (UFRJ - BRASIL)

BC041 - Interaction of *Phytomonas serpens* with *Oncopeltus fasciatus* hemocytes

THIAGO L ALVES E SILVA (INSTITUTO DE MICROBIOLOGIA PAULO DE GÓES, UFRJ - BRASIL)

BC042 - Molecular mechanisms involved in netosis induction by *Leishmania amazonensis*.

THIAGO SOARES DE SOUZA VIEIRA (UFRJ-IMPG - BRASIL)

11h00 - 11h25 - COFFEE BREAK

Salão de Jogos

11h30 - 12h00 - MC.01 - Mini Conference

Room A
Caxambu

T Regulatory Cells and Persistence of Chronic Leishmaniasis Due to Infection with *L. (Viannia) panamensis*

DIANE MCMAHON-PRATT (YALE University, New Haven, CT, USA)

Chair: LUCILE FLOETER-WINTER



11h30 - 12h00 - MC.02 - Mini Conference

Room B
São Lourenço

Promise and Considerations for Cysteine Protease Inhibitors as Anti-Chagastic Therapies

DEBORAH A. NICOLL-GRIFFITH (MERCK, Whitehouse Station, NJ, USA)

Chair: JOSÉ ROBERTO MEYER FERNANDES

12h00 - 12h30 - MC.03 - Mini Conference

Room A
Caxambu

The *Trypanosoma cruzi* Infection in Humans and Experimental animals: Parasite-free Chagas Heart Disease in the chicken model

ANTONIO TEIXEIRA (UNB, Brasília, DF, Brasil)

Chair: LUCILE FLOETER-WINTER

12h00 - 12h30 - MC.04 - Mini Conference

Room B
São Lourenço

Characterization of *Lutzomyia longipalpis*-pathogen interaction

YARA TRAUB-CSEKO (FIOCRUZ-IOC, Rio de Janeiro, RJ, Brasil)

Chair: JOSÉ ROBERTO MEYER FERNANDES

14h30 - 16h00 - RT.01 - RoundTable

NEW APPROACHES FOR AN OLD PROBLEM: VACCINATION AND IMMUNOTHERAPY OF VISCERAL LEISHMANIASIS

Room A
Caxambu

Chair: CLARA LUCIA BARBIERI

RT.01A - The FML-vaccine Leishmune (R) and the Nucleoside hydrolase synthetic vaccine in vaccination and therapy of visceral leishmaniasis

CLARISA PALATNIK DE SOUZA (UFRJ, Rio de Janeiro, RJ, Brasil)

RT.01B - A2 antigen based vaccine formulations: rational, update and perspectives towards an anti-amastigote vaccine for visceral leishmaniasis

ANA PAULA SALLES MOURA FERNANDES (UFMG, Belo Horizonte, MG, Brasil)

RT.01C - Use of a recombinant cysteine proteinase from *Leishmania (Leishmania) chagasi* for immunochemotherapy of canine visceral leishmaniasis

CLARA LUCIA BARBIERI (UNIFESP, São Paulo, SP, Brasil)

14h30 - 16h00 - RT.02 - RoundTable

MACROMOLECULES INTERACTION

Room B
São Lourenço

Chair: JAIME MARTINS DE SANTANA

RT.02A - Insect vectors and trypanosomatids: a neglected interface

CLAUDIA MASINI D'AVILA LEVY (IOC/FIOCRUZ)

RT.02B - Regulation of 26S proteasome and proteasome related HslV/U in *Trypanosoma cruzi*

RENATA GUERRA DE SÁ (UFOP-ICEB, Ouro Preto, MG, Brasil)

RT.02C - Le défi pour toujours of protein oligomerization - Triatomine salivary apyrases and trypanosome oligopeptidase B

JAIME MARTINS DE SANTANA (UNB, Brasília, DF, Brasil)



14h30 - 16h00 - RT.03 - RoundTable **Room C**
PARASITE-HOST INTERACTION: DRIVING TRAFFIC TO INFECTION *Baependi*

Chair: Edmundo Carlos Grisard

RT.03A - *Toxoplasma gondii* microneme proteins: new roles in host-parasite relationship

CAMILA FIGUEIREDO PINZAN (*USP-FMRP, Ribeirão Preto, SP, Brasil*)

RT.03B - Dissection of essential invasion factors in *Toxoplasma gondii*

MARKUS MEISSNER (*University of Glasgow, Glasgow, Scotland, UK*)

RT.03C - *Trypanosoma rangeli*: A model to assess virulence, pathogenicity and host/vector-parasite interactions

EDMUNDO CARLOS GRISARD (*UFSC, Brasil*)

14h30 - 16h00 - RT.04 - RoundTable **Room D**
BACTERIA AND DIGESTIVE ENZYMES AS THEY RELATE TO *Lambari*
PATHOGEN TRANSMISSION BY INSECT VECTORS

Chair: MARCELO JACOBS-LORENA

RT.04A - From digestion to immunity: new perspectives for the control of insect-borne diseases

FERNANDO ARIEL GENTA (*FIOCRUZ-IOC, Rio de Janeiro, RJ, Brasil*)

RT.04B - A bacterium against dengue: our challenge

cancelou

LUCIANO MOREIRA (*FIOCRUZ-CPQRr, Belo Horizonte, MG, Brasil*)

RT.04C - Fighting malaria with engineered bacteria

MARCELO JACOBS-LORENA (*Johns Hopkins School of Public Health, Baltimore, MD, USA*)

16h00 - 16h25 - COFFEE BREAK **Salão de Jogos**

16h30 - 17h10 - CO.01 - Conference **Room A**
Caxambu

The Control and Pathology in *Leishmania braziliensis* infection

EDGAR CARVALHO (*UFBA, Salvador, BA, Brasil*)

Chair: JEFFREY JON SHAW

17h10 - 17h50 - CO.02 - Conference **Room A**
Caxambu

Base J, biosynthesis and function of a minor base in the nuclear DNA of kinetoplastida

PIET BORST (*NKI, Amsterdam, Netherlands*)

Chair: SERGIO SCHENKMAN

18h00 - 19h00 - Plenary Session of SBPz **Room B**
São Lourenço

20h30 - 22h30 - PS - 02 – Poster Session **Ginásio de Esportes**

EVEN Numbers/Números PARES

09h00 - 11h00 - OP.05 - Oral Presentations - Immunology and Epidemiology**Room A
Caxambu**

Chair: JEFFREY JON SHAW and TIAGO WILSON PATRIARCA MINEO

IM054 - Purification and characterization of chitinase enzyme present in total soluble antigen of *Toxoplasma gondii* tachyzoites**AMANDA DE OLIVEIRA CUNHA** (UFU - BRASIL)

IM060 - New Type of Delayed Hypersensitivity with Infiltration of Eosinophil, Lymphocytes and Th1 Profile Induced by LaAg plus Saponin Vaccine.

HERBERT LEONEL DE MATOS GUEDES (UNIVERSIDADE FEDERAL DO RIO DE JANEIRO - BRASIL)IM064 - Identification of a novel panel of *Trypanosoma cruzi* antigens with potential application for serodiagnosis of Chagas disease**JOÃO LUIS REIS CUNHA** (UFMG - BRASIL)

IM071 - PATHOGENESIS OF EXPERIMENTAL CEREBRAL MALARIA: ROLE OF AHR

FATIMA MARIA CALDEIRA BRANT COSTA (UFMG - BRASIL)IM072 - P21-His₆, based on *Trypanosoma cruzi* P21, as a potential chemotactic compound.**PAULO CESAR FERREIRA DOS SANTOS** (UFU - BRASIL)IM085 - The role of TLR 9 on *L. amazonensis* infection and in LaAg intranasal vaccine against murine leishmaniasis on C57BL6 background.**JULIANA ELENA SILVEIRA PRATTI** (UFRJ - BRASIL)

EP001 - Understanding the effects of the Chagas disease control program in Venezuela after 50 years using eco-epidemiological modelling

JOSE ENRIQUE SULBARAN-ROMERO (HELMHOLTZ-CENTRE FOR ENVIRONMENTAL RESEARCH - ALEMANHA)EP010 - Evaluation of seroreactivity to *Toxoplasma gondii* in alligators**FLÁVIA BATISTA FERREIRA** (UFU - BRASIL)**09h00 - 11h00 - OP.06 - Oral Presentations – Molecular Biology****Room B
São Lourenço**

Chair: FABRICIO KLERYNTON MARCHINI and ANDRE LUIZ PEDROSA

BM002 - Structural implications of the Plasmodium falciparum pyridoxal kinase

THALES KRONENBERGER (USP - BRASIL)

BM009 - MOLECULAR DIFFERENTIATION AMONG LEISHMANIA COMPLEXES: WHAT ASSAY SHOULD BE PERFORMED?

AMANDA PIFANO NETO QUINTAL (UFU - BRASIL)

BM011 - THE NOVEL LEISHMANIA EIF4E4 N-TERMINUS IS A TARGET FOR MULTIPLE PHOSPHORYLATION EVENTS AND IS REQUIRED FOR PROPER PROTEIN FUNCTION

OSVALDO POMPILIO DE MELO NETO (CPQAM/FIOCRUZ - BRASIL)BM017 - Systematic analysis of FKBP inducible degradation domain tagging strategies for the human malaria parasite *Plasmodium falciparum***GEHARD WUNDERLICH** (INSTITUTO DE CIENCIAS BIOMEDICAS - BRASIL)

BM026 - Functional analysis of ornithine decarboxylase (ODC) in *Leishmania guyanensis* and *L. infantum chagasi* lines susceptible and resistant to antimony

SILVANE MURTA (FIOCRUZ-MINAS - BRASIL)

BM028 - New trick for a conventional enzyme: mevalonate kinase, a glycosomal enzyme, is secreted by *Trypanosoma cruzi*, and can modulate cell invasion and signaling. Another moonlighting enzyme?

EDEN RAMALHO FERREIRA (UNIFESP - BRASIL)

BM048 - In the race of the mitochondrial Eve of the *Trypanosoma cruzi*

ÍTALO FARIA DO VALLE (UFMG - BRASIL)

BM069 - *Trypanosoma cruzi* LINES LACKING THE CYSTEINE PEPTIDASE INHIBITOR CHAGASIN AS A TOOL TO STUDY THE BIOLOGICAL ROLES OF CRUZIPAIN

FLAVIA COELHO GARCIA DOS REIS (UFRJ - BRASIL)

BM089 - Expression of the *Trypanosoma cruzi* trans-sialidase (Tc TS) by *Trypanosoma rangeli* alters the parasite-*Rhodnius prolixus* interaction

NINNA GRANUCCI (UFSC - BRASIL)

09h00 - 11h00 - OP.07 - Oral Presentations – Vector

Room C
Baependi

Chair: ALESSANDRA APARECIDA GUARNERI and MICHELLE T. C. DO NASCIMENTO

VE001 - Interaction between *Trypanosoma rangeli* and the *Rhodnius prolixus* salivary gland depends on the phosphotyrosine ecto-phosphatase activity of the parasite

ANDRE LUIZ ARAUJO DOS SANTOS (UFRJ - BRASIL)

VE006 - Partial transcriptome analysis of *Triatoma brasiliensis* anterior midgut using Expressed Sequence Tags (ESTs)

MICHELE ARAÚJO PEREIRA (UFMG - BRASIL)

VE012 - Identification of triatomine immunogenic salivary antigens and evaluating their effectiveness as markers of contact for *Rhodnius prolixus* (Stal, 1859) (Hemiptera, Reduviidae): The role of salivary

LUCIANA RAMOS DIAS (UFMG - BRASIL)

VE014 - Fitness of kdr mutation in the dengue vector mosquito *Aedes aegypti*

LUIZ PAULO DE BRITO OLIVEIRA SOUZA (FIOCRUZ - BRASIL)

09h00 - 11h00 - OP.08 - Oral Presentations – Biochemistry

Room D *Lambari*

Chair: LISVANE DA SILVA PAES and ARIEL MARIANO SILBER

BQ004 - Apigenin induces death in promastigote and amastigote forms of *Leishmania amazonensis* by reactive oxygen species production

FERNANDA FONSECA-SILVA (FIOCRUZ - BRASIL)

BQ005 - Differential Gel Electrophoresis (DIGE) Analysis of the Activity of Naphthoimidazoles in *Trypanosoma cruzi* Bloodstream Trypomastigotes

MARCELLE ALMEIDA CAMINHA (FUNDAÇÃO OSWALDO CRUZ, RIO DE JANEIRO - RJ - BRASIL)

BQ014 - Activity of Acyl-CoA: Cholesterol Acyltransferase in *Leishmania amazonensis*

NICHOLAS TIELLET LUCENA FERREIRA (IBQM/UFRJ - BRASIL)

BQ020 - NADPH oxidase inhibition decreases macrophage infection by *Trypanosoma cruzi*

JÉSSICA ISIS OLIVEIRA DE PAULA (UERJ - BRASIL)

BQ023 - Studies of Mitochondrion and Glycosomes of Trypanosomatid Harboring Symbiotic Bacterium, The *Strigomonas culicis*

ANA CAROLINA LOYOLA MACHADO (UFRJ - BRASIL)

BQ029 - Analysis of phospholipid and sphingolipid composition of *L. (V.) braziliensis* promastigotes by electrospray ionization-mass spectrometry (ESI-MS)

ERICA VALADARES DE CASTRO (UNIFESP - BRASIL)

BQ037 - Different binding of L-trans-epoxysuccinyl-leucyl-amido(4-guanidino)butane to cysteine proteinase of Leishmania (*Viannia*) *braziliensis*

RAQUEL SANTOS SOUZA (FIOCRUZ - BRASIL)

11h00 - 11h25 - COFFEE BREAK

Salão de Jogos

11h30 - 12h00 - MC.05 - Mini Conference

Room A
Caxambu

Development of an oral vaccine platform based on the protective properties of surface proteins of the intestinal parasite *Giardia lamblia*

HUGO LUJAN (UCC, Córdoba, Argentina)

Chair: SANTUZA M. RIBEIRO TEIXEIRA

11h30 - 12h00 - MC.06 - Mini Conference

Room B
São Lourenço

Blastocystis – friend or foe?

CHRISTEN RUNE STENSVDL (Statens Serum Institut, Copenhagen, Denmark)

Chair: RENATO ARRUDA MORTARA

12h00 - 12h30 - MC.07 - Mini Conference

Room A
Caxambu

Genetic manipulation of the mosquito's innate immunity to fight malaria

JAYME A SOUZA-NETO (CDTS/FIOCRUZ, Rio de Janeiro, RJ, Brasil)

Chair: SANTUZA M. RIBEIRO TEIXEIRA

12h00 - 12h30 - MC.08 - Mini Conference

Room B
São Lourenço

New insights concerning P21-His6 biological activity and protozoa intracellular traffic

CLAUDIO VIEIRA SILVA (UFU-ICBIM, Uberlândia, MG, Brasil)

Chair: RENATO ARRUDA MORTARA



14h30 - 16h00 - RT.05 - RoundTable **Room A**
INNATE IMMUNITY ON PROTOZOAN INFECTION **Caxambu**

Chair: MARCELO TORRES BOZZA

RT.05A - Monocytes versus Macrophages: Effector or Suppressor Cells in Leishmania major Infection?

MARCELA DE FREITAS LOPES (UFRJ-IBCCF, Rio de Janeiro, RJ, Brasil)

RT.05B - Hemozoin and Inflammatory Biomarkers: Impact on Innate Immunity and Malaria Progression

MARTIN OLIVIER (McGill, Quebec, Canada)

RT.05C - Leukotriene B4 is essential for the development of experimental cerebral malaria

MARCELO TORRES BOZZA (UFRJ, Rio de Janeiro, RJ, Brasil)

14h30 - 16h00 - RT.06 - RoundTable **Room B**
NEW INSIGHTS INTO MALARIA RESEARCH **São Lourenço**

Chair: MARIA REGINA D' IMPÉRIO LIMA

RT.06A - Novel approaches towards drug discovery against the human malaria parasite Plasmodium falciparum

CARSTEN WRENGER (USP-ICB, São Paulo, SP, Brasil)

RT.06B - Systems Immunology: Understanding Inflammatory Responses to Malaria

SILVIA PORTUGAL (NIH/NIAD, Bethesda, Maryland, USA)

RT.06C - Distinct roles of splenic phagocytes in the different phases of blood-stage Plasmodium chabaudi AS malaria

MARIA REGINA D' IMPÉRIO LIMA (USP-ICB, São Paulo, SP, Brasil)

14h30 - 16h00 - RT.07 - RoundTable **Room C**
NON TRADITIONAL (?) TRANSMISSION OF TRYPANOSOMATID **Baependi**
PARASITES

Chair: NOBUKO YOSHIDA

RT.07A - Detection of Leishmania (leishmania) infantum rna in fleas and ticks collected from naturally infected dogs

VERA L. PEREIRA-CHIOCCOLA (Instituto Adolfo Lutz, São Paulo, SP, Brasil)

RT.07B - Vertical transmission as a means of continuing a population of L. infantum-infected dogs

CHRISTINE PETERSEN (Iowa State University of Science and Technology, Iowa, USA)

RT.07C - What makes Trypanosoma cruzi metacyclic forms highly fitted to infect by the oral route?

NOBUKO YOSHIDA (UNIFESP, São Paulo, SP, Brasil)

16h00 - 16h25 - COFFEE BREAK **Salão de Jogos**



16h30 - 17h10 - CO.03 - Conference

Room A
Caxambu

Epidemiology and control of frontier malaria in Brazil.

MARCELO URBANO FERREIRA (*USP-ICB, São Paulo, SP, Brasil*)

Chair: GERHARD WUNDERLICH

17h10 - 17h50 - CO.04 - Conference

Room A
Caxambu

From Genomes to Host-Pathogen Infectomes: Models in profiling host-pathogen interactions

NAJIB EL-SAYED (*UMD - MPRI, Maryland, USA*)

Chair: WALTER COLLI

18h00 - 19h30 - Brainstorm

Room B
São Lourenço

20h30 - 21h30 - Closure Conference

Room A
Caxambu

Roles of the Kallikrein-Kinin System in the Pathogenesis of Chagas (Heart) Disease: New Lessons from Experimental Models

JULIO SCHARFSTEIN (*UFRJ-CCS, Rio de Janeiro, RJ*)

Chair: ANA PAULA CABRAL DE ARAUJO LIMA

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

Room A
Caxambu