



Meeting Program Programa Científico

SEPTEMBER 29th, 2013

10h00 - 16h00 - Pre-Meeting Course 1

Room B
Caxambu

Estudos de Genômica e Genômica Funcional em Protozoários Parasitos

Angela K. Cruz (*USP - São Paulo - SP - Brasil*), Lucile Maria Floeter Winter (*USP - São Paulo - SP - Brasi*), Wanderson Duarte da Rocha (*UFPR - Curitiba - PR - Brasi*) e Santuza Teixeira (*UFMG - Belo Horizonte - MG - Brasi*)

SEPTEMBER 30th, 2013

08h00 - 15h00 - Pre-Meeting Course 2

Room B
Caxambu

Metabolomics approaches applied to protozoan parasites

Maria Belen Cassera (*Department of Biochemistry and Virginia Tech Center for Drug Discovery - Virginia Tech - Blacksburg - VA - USA*)

14h00 - 20h00 - Registration

16h00 - 16h20 - Meeting Opening

Room A Glória

Welcome & Announcements

16h20 - 17h50 - 40 ANOS DA REUNIÃO DE CHAGAS

Room A Glória

Chair: JEFFREY JON SHAW

Quarenta anos de uma iniciativa que deu certo

Walter Colli (*USP - Instituto de Química, Departamento de Bioquímica – São Paulo – SP - Brasil*)

Memórias do Prêmio Roitman

Isaac Roitman (*Coordenador do Núcleo do Futuro da Universidade de Brasília – DF – Brasília – Brasil*)

Redes de pesquisa e desenvolvimento em doença de Chagas: de onde viemos, para onde vamos

Carlos Medicis Morel (*FIOCRUZ - Presidência, Centro de Desenvolvimento Tecnológico em Saúde (CDTS) – Rio de Janeiro – RJ - Brasil*)

18h30 - 19h30 - Reunião do Conselho

Room B
Caxambu

20h30 - 22h30 – Poster Session

Ginásio de
Esportes

ODD Numbers/Números ÍMPARES

09h00 - 11h00 - OP.01 - Oral Presentations**CELLULAR SIGNALLING IN IN VITRO HOST-PARASITE INTERACTION****Room A Glória**

Chair: SERGIO SCHENKMAN and CLARA LUCIA BARBIERI MESTRINER

BC 001 - Down regulation of host cell signaling and lysosome exocytosis by *Trypanosoma cruzi* adhesin gp90 that functions as cell invasion inhibitor

TATIANA MORDENTE CLEMENTE (UNIFESP, SAO PAULO, SP, BRASIL)

BM 010 - The role of er stress and toll like receptors in pkr activation during *Leishmania amazonensis* infection

KARINA LUIZA DIAS TEIXEIRA (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

BC 002 - Membrane cholesterol regulates the exocytosis of a peripheral pool of lysosomes in host cells, used by *T. cruzi* during invasion

LUCIANA OLIVEIRA ANDRADE (UFMG, BELO HORIZONTE, MG, BRASIL)

BC 007 - Distinct activation of hela cell kinases during invasion by *Trypanosoma cruzi* extracellular amastigotes

BIANCA RODRIGUES LIMA (UNIFESP, SÃO PAULO, SP, BRASIL)

BQ 006 - Evaluation of the role of CK2 on the process of interaction between *Leishmania donovani* and macrophages using 4,5,6,7-tetrabromo-1H-benzotriazole (TBB) as an inhibitor

CARLOS GUSTAVO VIEIRA DE MORAIS (UERJ, RIO DE JANEIRO, RJ, BRASIL)

IM 001 - NETosis triggered by *Leishmania amazonensis* involves NADPH oxidase- and mitochondria-derived ROS

NATALIA CADAXO ROCHAEL (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

IM 006 - The paradoxical role of ros in *Trypanosoma cruzi* infection

GRAZIELLE ALVES RIBEIRO (UFMG, BELO HORIZONTE, MG, BRASIL)

BC 004 - Influence of neutrophil elastase in the infection of murine macrophages by *Leishmania donovani*

BRUNA TORRES DIAS (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

09h00 - 11h00 - OP.02 - Oral Presentations**DRUGS FOR A BETTER WORLD****Room B****Caxambu**

Chair: ARIEL MARIANO SILBER and PATRICIA FAMPA NEGREIROS LIMA

QT 007 - Screening of drugs against *Trypanosoma cruzi* using drug repositioning approach

DAIANE DIAS FERREIRA (IAL, SAO PAULO, SP, BRASIL)

QT 001 - Memantine, an antagonist of NMDA glutamate receptor, affects cell proliferation, differentiation, intracellular cycle and causes an apoptosis-like death in *Trypanosoma cruzi*.

FLAVIA SILVA DAMASCENO (USP, SÃO PAULO, SP, BRASIL)

QT 008 - The long road towards finding better chemotherapies for Chagas Disease is being paved

JAIR LAGE SIQUEIRA NETO (UCSF, SAN FRANCISCO, ESTADOS UNIDOS)

QT 005 - Antileishmanial effects of 2'-OH flavanone against potassium antimony ttrate - resistant and sensitive promastigotes and amastigotes forms of *L. amazonensis*

LUIZA FERREIRA DE OLIVEIRA GERVAZONI (FIOCRUZ, RIO DE JANEIRO, RJ, BRASIL)

QT 004 - Leishmanicidal activity of hydroxyethylpiperazines and hydroxyethylamines used as precursors in synthesis of hiv protease inhibitors

MARIELA FERREIRA DE VASCONCELOS (IOC/FIOCRUZ, RIO DE JANEIRO, RJ, BRASIL)

QT 002 - Metalcomplexe FeHP(SO₄) reduces the development of *Toxoplasma gondii* in LLC-MK2 cell line

JULIANA DE ARAUJO PORTES (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

QT 006 - Activity of a sesquiterpene lactone in nanocapsules for treatment of the chronic Chagas disease

MARIANNE ROCHA SIMÕES SILVA (UFOP, OURO PRETO, MG, BRASIL)

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

MOLECULAR BIOLOGY

Room C

Baependi

Chair: LUIZ RICARDO ORSINI TOSI and EDMUNDO CARLOS GRISARD

BM 003 - Analysis of subtelomeric and telomeric region in different isolates of *Trypanosoma cruzi*

CRISTIANE REGINA ANTONIO (UNIFESP, SÃO PAULO, SP, BRASIL)

BM 005 - The characterization of a Kinetoplast Associated Protein (KAP4) in symbiont containing trypanosomatids.

SILVANA SANTANNA DE SOUZA (UFRJ-RJ, RIO DE JANEIRO, RJ, BRASIL)

BM 008 - The sialoglycopeptidase-like protein of *Leishmania major*: possible role in parasite growth and differentiation.

ANA BEATRIZ DUARTE ROMÃO (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

BM 006 - Characterization of *Trypanosoma cruzi* Sirtuins and its involvement in the control of global protein acetylation levels

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

BM 011 - Microbiome Composition in Localized Cutaneous Leishmaniasis Lesions

VANESSA RIESZ SALGADO (CPQGM - FIOCRUZ, SALVADOR, BA, BRASIL)

BM 001 - New insights into the genome structure and diversity of *Trypanosoma cruzi*

CHRISTIAN MACAGNAN PROBST (ICC - FIOCRUZ, CURITIBA, PR, BRASIL)

BM 012 - Updating the knowledge on transposable elements in trypanosomatids.

ADRIANA LUDWIG (ICC- FIOCRUZ - PR - BRASIL)

BM 007 - TRANSCRIPTOMICS OF *TRYPANOSOMA CRUZI* AMASTIGOGENESIS

RAFAEL LUIS KESSLER (INSTITUTO CARLOS CHAGAS-ICC, CURITIBA, PR, BRASIL)

09h00 - 11h00 - OP.04 - Oral Presentations
IMMUNOLOGY

Room D Lambari

Chair: JULIO SCHARFSTEIN and RICARDO GONCALVES

IM 013 - Protective effect of native proteins purified from tachyzoites of *Neospora caninum* against experimental infection

VANESSA DOS SANTOS MIRANDA (UFU, UBERLÂNDIA, MG, BRASIL)

IM 018 - CELLULAR AND HUMORAL IMMUNE RESPONSES AGAINST ORAL INFECTION BY *Neospora caninum*

ELIVAINÉ DE SOUSA FREITAS ANJOS (UFU, UBERLÂNDIA, MG, BRASIL)

IM 014 - Intranasal immunization with KMP11 associated to MPLA induced protection against *Leishmania amazonensis*.

JOYCE CARVALHO PEREIRA (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

IM 008 - Cross-protective immunity to *Leishmania amazonensis* is mediated by CD4+ and CD8+ epitopes of *Leishmania donovani* Nucleoside Hydrolase terminal

DIRLEI NICO (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

IM 016 - IFN- γ -induced priming maintains acquired immunity to experimental malaria

HENRIQUE BORGES DA SILVA (ICB-USP, SAO PAULO, SP, BRASIL)

IM 005 - The miRNA profile of macrophages is altered by *Leishmania amazonensis* infection

SANDRA M MUXEL (USP, SAO PAULO, SP, BRASIL)

IM 004 - Repeated amino acid sequences from *Trypanosoma cruzi* antigens as virulence factors during parasite infection

BRUNA MATTIOLY VALENTE (UFMG, BELO HORIZONTE, MG, BRASIL)

IM 015 - EXPRESSION OF PD-L1 ON HEART AND LYMPHOCYTES FROM C3H/HEPAS MICE CHRONICALLY INFECTED WITH *Trypanosoma cruzi* SYLVIO X10/4

RAISSA FONSECA (IMMUNOLOGY DEPARTMENT, ICB, USP, SÃO PAULO, SP, BRASIL)

11h00 - 11h25 - COFFEE BREAK

Salão de Jogos

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

Room A Glória

Chair: MARIA JULIA MANSO ALVES

Protein SUMOylation in the life cycle of *Giardia lamblia*

Renata Rosito Tonelli (UNIFESP - Departamento de Microbiologia Imunobiologia e Parasitologia – São Paulo – SP - Brasil)

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

**Room B
Caxambu**

Chair: EDMUNDO CARLOS GRISARD

A 100 years of omission: understanding triatomine sexual communication through analytical, molecular and behavioral studies

Marcelo Gustavo Lorenzo (FIOCRUZ - Centro de Pesquisas René Rachou - Laboratório de Triatomíneos e Epidemiologia da Doença de Chagas – Belo Horizonte – MG – Brasil)

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

Room A Glória

Chair: MARIA JULIA MANSO ALVES

Free Living Amoebas, an emerging disease in Latin America

Dalila Martinez (Instituto de Medicina Tropical "Alexander von Humboldt" - Universidad Peruana Cayetano Heredia – Lima – Peru)

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

**Room B
Caxambu**

Chair: EDMUNDO CARLOS GRISARD

Selective transmission of genotypes of *Trypanosoma cruzi* and *T. rangeli*: coevolution or parasite - vector adaptation?

Gustavo Adolfo Vallejo

Laboratorio de Investigaciones en Parasitología Tropical, Universidad del Tolima, Ibagué, Colombia

14h30 - 16h00 - RT.01 - RoundTable
EXPLORING GENOMES TO UNDERSTAND PARASITES AND VECTORS BIOLOGY **Room A** Glória

Chair: ANGELA KAYSEL CRUZ

RT.01.001 - Exploring mechanisms of gene expression regulation in *Leishmania*

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

RT.01.002 - The Genome of *Anopheles darlingi*, the Main Major Neotropical Malaria Vector

Ana Tereza Ribeiro Vasconcelos (*LNCC - Departamento de Matemática Aplicada e Computacional, Laboratório de Bioinformática – Rio de Janeiro – RJ – Brasil*)

RT.01.003 - *T. cruzi* genome sequencing as a tool to address specific biological questions

Björn Andersson (*Karolinska Intitutet – Stockholm – Sweden*)

14h30 - 16h00 - RT.02 - RoundTable
HUMAN AND AVIAN MALARIA **Room B**
Caxambu

Chair: ERIKA MARTINS BRAGA

RT.02.001 - Malaria new diagnostic assay and its potential for rapid monitoring in association with climate changes

Panagiotis Karanis (*Medical and Molecular Parasitology Laboratory, University of Cologne, Medical School, Center of Anatomy – Nettersheim - Germany*)

RT.02.002 - Habitat elements impact the prevalence and host specificity of avian haemosporidian parasites in tropical ecosystems

Ravinder N. M. Sehgal (*Department of Biology, San Francisco State University – San Francisco – CA - USA*)

RT.02.003 - Exploring the distribution and diversity of avian malaria parasites in different Biomes in Brazil

Erika Martins Braga (*UFMG - Instituto de Ciências Biológicas, Departamento de Parasitologia – Belo Horizonte - MG*)

14h30 - 16h00 - RT.03 - RoundTable
BIOLOGY AND PATHOGENICITY OF AMOEBAS **Room C**
Baependi

Chair: BRUNO DA ROCHA AZEVEDO

RT.03.001 - Pathogenic free-living amoebae interactions with host's extracellular matrix: 2D, 3D, and beyond.

Bruno da Rocha Azevedo (*UNIVERSITY OF TEXAS SOUTHWESTERN MEDICAL CENTER - Department of Cell Biology - Dallas - TX - USA*)

RT.03.002 - Chew your food: trogocytosis-like ingestion contributes to human cell killing and tissue invasion by *Entamoeba histolytica*

Katherine Ralston (*University of Virginia - Department of Medicine, Infectious Diseases – Virginia – USA*)

RT.03.003 - *Acanthamoeba castellanii* as an universal environmental host for pathogenic microorganisms: key for virulence factor origin and intracellular pathogenesis

Allan Jefferson Guimarães (*Universidade Federal Fluminense - Centro de Ciências Médicas - Instituto Biomédico - Niterói - RJ - Brasil*)

16h00 - 16h25 - COFFEE BREAK

Salão de Jogos

16h30 - 17h10 - CO.01 - Conference

Room A Glória

Chair: RENATA TONELLI

Risk Assessment of Infection by *Giardia* and *Cryptosporidium* in Drinking Water

Maria Ines Zanoli Sato (*CETESB - São Paulo – SP – Brasil*)

17h10 - 17h50 - CO.02 - Conference

Room A Glória

Chair: JEFFREY JON SHAW

Water and Parasites: Current State and Future Aspects - More than 20 years research on water-borne protozoan

Panagiotis Karanis (*Medical and Molecular Parasitology Laboratory, University of Cologne, Medical School, Center of Anatomy – Nettersheim - Germany*)

18h00 - 19h00 - Plenary Session of SBPz

**Room B
Caxambu**

20h30 - 22h30 - Poster Session

**Ginásio de
Esportes**

EVEN Numbers/Números PARES

09h00 - 11h00 - OP.05 - Oral Presentations	Room A
HOST-PARASITE FACTORS INVOLVED IN INFECTION MODULATION	Glória

Chair: SERGIO SCHENKMAN and CLARA LUCIA BARBIERI MESTRINER

BC 006 - INTRACARDIAC EDEMA PROPAGATED VIA THE MAST CELL- KALLIKREIN-KININ SYSTEM FUELS *TRYPANOSOMA CRUZI* INFECTION, CONTRIBUTING TO CHRONIC MYOCARDITIS AND HEART FIBROSIS
LUCAS VELLASCO (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

IM 009 - AhR is a “time machine” regulator of immunity and pathologies during *Trypanosoma cruzi* infection
ANDREIA BARROSO (UFMG, BELO HORIZONTE, MG, BRASIL)

IM 002 - THE NATURAL CYSTEINE PEPTIDASE INHIBITOR (ICP) OF THE AFRICAN TRYPANOSOME MODULATES INFLAMMATORY RESPONSES IN EXPERIMENTAL INFECTIONS
TATIANA FERREIRA ROCHA COSTA (IBCCF, RIO DE JANEIRO, RJ, BRASIL)

IM 017 - Intravital imaging highlights a fundamental role for splenic dendritic cells in the phagocytosis of infected erythrocytes during early *Plasmodium chabaudi* AS malaria
HENRIQUE BORGES DA SILVA (ICB-USP, SAO PAULO, SP, BRASIL)

IM 011 - Severe malaria development is modulate by SUPPRESSOR OF CYTOKINE SIGNALING 2
FATIMA BRANT (UFMG, BELO HORIZONTE, MG, BRASIL)

IM 003 - NEOSPORA CANINUM INDUCES A p38 MAPK PATHWAY- DEPENDENT IN MURINE BONE MARROW-DERIVED MACROPHAGES
MURILO VIEIRA SILVA (UFU, UBERLÂNDIA, MG, BRASIL)

QT 003 - Melatonin, the hormone of darkness, modulates *Leishmania (L.) amazonensis* infection
MARIA FERNANDA LARANJEIRA DA SILVA (IB USP, SAO PAULO, SP, BRASIL)

IM 012 - PHOSPHATIDYLSERINE EXPOSURE ON INTRACELLULAR AMASTIGOTES OF *LEISHMANIA AMAZONENSIS* IS A SENSOR OF MACROPHAGE ACTIVATION AND MODULATES IN VIVO INFECTIONS AND DENDRITIC CELL FUNCTIONS
JOAO LUIZ MENDES WANDERLEY (UFRJ, MACAÉ, RJ, BRASIL)

09h00 - 11h00 - OP.06 - Oral Presentations	Room B
TRYPANOSOMA CRUZI: FROM THE BEGINNING TO THE END	Caxambu

Chair: RENATA ROSITO TONELLI and WALTER COLLI

BM 004 - Telomeres Maintenance in *Trypanosoma cruzi* : roles for Orc1/Cdc6 and RPA-1.
RAPHAEL SOUZA PAVANI (INSTITUTO BUTANTAN - LABORATÓRIO ESPECIAL DE CICLO CELULAR, SÃO PAULO, SP, BRASIL)

BM 009 - Identification and characterization of small non-coding RNAs in *Trypanosoma cruzi*
ZAMIRA GUERRA SOARES (UFMG, BELO HORIZONTE, MG, BRASIL)

BM 002 - *Trypanosoma cruzi* regulome project: large scale dataset analysis and identification of co-regulated gene modules
CHRISTIAN MACAGNAN PROBST (ICC - FIOCRUZ, CURITIBA, PR, BRASIL)

BC 003 - An endosomal eIF2a kinase is activated by phosphorylation causing translation arrest in response to heme deprivation in *Trypanosoma cruzi*
LEONARDO DA SILVA AUGUSTO (UNIFESP, SAO PAULO, SP, BRASIL)

BQ 007 - *Trypanosoma cruzi* : nitric oxide signaling due to parasite interaction with the extracellular matrix.
MILTON CÉSAR DE ALMEIDA PEREIRA (IQ-USP, SÃO PAULO, SP, BRASIL)

BC 005 - A commandment from the trypanosome surface – (though shalt) eat me.
KEVIN MORRIS TYLER (NORWICH MEDICAL SCHOOL, UEA, NORWICH, REINO UNIDO)

IM 010 - Dendritic cells function during experimental *Trypanosoma cruzi* infection: the essential role of SOCS2
LISIA ESPER (UFMG, BELO HORIZONTE, MG, BRASIL)

IM 007 - Genome-wide screening and identification of new *Trypanosoma cruzi* antigens with potential application in chronic Chagas disease diagnosis
JOÃO LUIS REIS CUNHA (UFMG, BELO HORIZONTE, MG, BRASIL)

09h00 - 11h00 - OP.07 - Oral Presentations
BIOCHEMISTRY, EPIDEMIOLOGY AND VECTOR

Room C
Baependi

Chair: ANGELA HAMPSHIRE DE CARVALHO SANTOS LOPES and MARIA BELEN CASSERA

BQ 003 - Characterization of of *Leishmania (Viannia) braziliensis* inositol phosphoceramide
ERICA VALADARES DE CASTRO (UNIVERSIDADE FEDERAL DE SÃO PAULO, SÃO PAULO, SP, BRASIL)

BQ 005 - Endosymbiosis in trypanosomatids: the association between the bacterium and energetic organelles is revealed by ultrastructural and biochemical approaches
ANA CAROLINA LOYOLA MACHADO (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

BQ 001 - Functional characterization of histidine metabolism in *Trypanosoma cruzi*
MARIA JULIA BARISON (ICB-USP, SAO PAULO, SP, BRASIL)

BQ 002 - Induction of resistance to inhibitors of sterol biosynthesis alters the gene expression of this pathway and the uptake of exogenous cholesterol in *L. amazonensis* and *L. braziliensis*
VALTER VIANA DE ANDRADE-NETO (FIOCRUZ, RIO DE JANEIRO, RJ, BRASIL)

BQ 004 - Heme stimulates Na⁺/K⁺ ATPase activity through hydrogen peroxide generation in *Leishmania amazonensis*

NATHÁLIA ROCCO MACHADO (UFRJ, RIO DE JANEIRO, RJ, BRASIL)

VE 001 - Transcriptome analysis of parasite infected tsetse fly salivary glands reveals differentially expressed host and trypanosome genes

ERICH L TELLERIA (YALE UNIVERSITY E FIOCRUZ-IOC, RIO DE JANEIRO, RJ, BRASIL)

VE 002 - Insights on Toll, IMD and Jak/STAT immune pathways in *Lutzomyia longipalpis*, the main vector of visceral leishmaniasis in Brazil

BRUNO TINOCO NUNES (FIOCRUZ, RIO DE JANEIRO, RJ, BRASIL)

EP 001 - Toxoplasmosis and neosporosis seroprevalence in free-range chickens from Uberlândia – MG.

MYLLA SPIRANDELLI SPIRANDELLI DA COSTA (UFU, UBERLÂNDIA, MG, BRASIL)

11h00 - 11h25 - COFFEE BREAK

Salão de Jogos

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

Room A
Glória

Chair: ANGELA HAMPSHIRE DE CARVALHO SANTOS LOPES

Targeting a *Plasmodium vivax* merozoite surface protein 1 fragment to the DEC205+ dendritic cell population elicits strong antibody and T cell responses

Silvia Beatriz Boscardin (USP - Instituto de Ciências Biomédicas – São Paulo – SP – Brasil)

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

Room B
Caxambu

Chair: LUIS CARLOS CROCCO AFONSO

The lipid flow between parasites and vectors: An unexplored cascade of biochemical mechanisms

Georgia Correa Atella (UFRJ - Instituto de Bioquímica Médica/CCS – Rio de Janeiro – RJ – Brasil)

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

Room A Glória

Chair: ANGELA HAMPSHIRE DE CARVALHO SANTOS LOPES

Antimalarial drug discovery from natural and commercial sources

Maria Belen Cassera (Department of Biochemistry and Virginia Tech Center for Drug Discovery - Virginia Tech - Blacksburg - VA - USA)

12h00 - 12h30 - MC.08 - Mini Conference**Room B**
Caxambu

Chair: LUIS CARLOS CROCCO AFONSO

The role of monocytes in animal models of *Leishmania* infection**Ricardo Gonçalves** (*UFMG - Instituto de Ciências Biológicas – Belo Horizonte – MG - Brasil*)**14h30 - 16h00 - RT.04 - RoundTable****HOST-PARASITE INTERACTIONS****Room A** Glória

Chair: RENATO ARRUDA MORTARA

RT.04.001 - Determinants of Protozoan Virulence: from Parasites and Genomes to Host Cells and Species Preferences

Kevin Morris Tyler (*University of East Anglia – Norwich – Norfolk – UK*)RT.04.002 - Heme uptake mediated by LHR1 is essential for *Leishmania amazonensis* infectivity**Danilo Ciccone Miguel** (*University of Maryland at College Park, Department of Cellular Biology and Molecular Genetics – College Park – MD – USA*)RT.04.003 - Abandon the ship! *Leishmania amazonensis* amastigotes are rescued from apoptotic macrophages in association with host lysosomal-associated membrane protein (LAMP)**Renato Arruda Mortara** (*UNIFESP - Departamento de Microbiologia Imunobiologia e Parasitologia – São Paulo – SP – Brasil*)**14h30 - 16h00 - RT.05 - RoundTable****LEISHMANIASIS: ADVANCES IN CHEMOTHERAPY, VACCINES AND FLIPPASES****Room B**
Caxambu

Chair: HERBERT LEONEL DE MATOS GUEDES

RT.05.001 - Prospection of natural products with leishmanicidal activity

Deivid Costa Soares (*Universidade Federal do Rio de Janeiro – Instituto de Microbiologia Prof. Paulo de Góes – Rio de Janeiro – RJ - Brasil*)RT.05.002 - The use of adjuvants and vitamins to vaccine development against *Leishmania amazonensis***Herbert Leonel De Matos Guedes** (*Universidade Federal do Rio de Janeiro – Biofísica Carlos Chagas Filho – Rio de Janeiro – RJ - Brasil*)RT.05.003 - Tracking down lipid flippases in the protozoan parasite *Leishmania***Thomas-Günther Pomorski** (*Department of Plant Biology and Biotechnology/Section for Transport Biology – Frederiksberg – Denmark*)**14h30 - 16h00 - RT.06 - RoundTable****BIOLOGY OF APICOMPLEXAN PARASITES AND IMMUNE RESPONSES OF INFECTED HOSTS****Room C**
Baependi

Chair: ARTHUR GRUBER

RT.06.001 - CD14+CD16+ monocytes play distinct role in *Plasmodium vivax* malaria

Lis Ribeiro do Valle Antonelli (CPqRR/Fiocruz – Belo Horizonte – MG - Brasil)

RT.06.002 - Importance of Neospora caninum infections and their pathology

David Lindsay (Virginia Tech – Blacksburg – VA - USA)

RT.06.003 - Gene expression studies provide evidence for a just-in-time transcript production in Eimeria parasites

Arthur Gruber (USP/ICB – São Paulo – SP – Brasil)

16h00 - 16h25 - COFFEE BREAK

Salão de Jogos

16h30 - 17h10 - CO.03 - Conference

Room A
Glória

Chair: JULIO SCHARFSTEIN

Mechanisms of immunity after genetic vaccination against experimental *Trypanosoma cruzi* infection

Maurício Martins Rodrigues

UNIFESP - CINTERGEN- Centro Interdisciplinar de Terapia Gênica – São Paulo – SP - Brasil

17h10 - 17h50 - CO.04 - Conference

Room A *Glória*

Chair: SANTUZA M. RIBEIRO TEIXEIRA

Throwing light into dark corners – Investigating the cryptic life of *Trypanosoma rangeli*

Edmundo Carlos Grisard (UFSC - Departamento de Microbiologia, Imunologia e Parasitologia – Florianópolis – SC - Brasil)

18h00 - 19h30 - Brainstorm

Room B
Caxambu

20h30 - 21h30 - Closure Conference

Room A *Glória*

Chair: JOSE ROBERTO MEYER FERNANDES

Leishmaniasis: a purinergic point of view

Luis Carlos Crocco Afonso (Universidade Federal de Ouro Preto, Departamento de Ciências Biológicas – Ouro Preto – MG - Brasil)

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

Room A
Glória

22h30 - 03h30 - Official Party of SBPz

Ginásio de Esportes