

**NOVEMBER 05th, 2018****09h00 - 12h15 – Satellite Symposium****Room A Glória****Structure-function relationships in protozoal parasites: A life-time history in honour of Prof. Keith Gull CBE DSc (Hon) FRS FMedSci FRSB****09h00 – 09h30** - IntroductionWanderley De Souza (*Federal University of Rio de Janeiro – Brazil*)**09h30 – 09h55** - The flagellar pocket collar of *Trypanosoma brucei*: biogenesis and components
Derrick Robinson (*University of Bordeaux – France*)**09h55 – 10h10** - From localisation to function - a TrypTag tale
Jack Sunter (*Oxford Brookes University – UK*)**10h10 – 10h25** - Tb8870, a cytoplasmic protein is critical for PFR assembly
Aline Alves (*Federal University of Rio de Janeiro – Brazil*)**10h25 – 10h40** - Basalin is essential for basal plate and central pair formation in trypanosomatids
Flavia Moreira-Leite (*University of Oxford – UK*)**10h40 – 10h55** - Coffee/Tea break**10h55 – 11h20** - The role of microtubule bundling in the completion of *Trypanosoma brucei* subpellicular array biogenesis
Chris de Graffenreid (*Brown University – USA*)**11h20 – 11h35** - The ultrastructure and function of cytostome-cytopharynx complex on endocytosis of *Trypanosoma cruzi*
Carolina L Alcantara (*Federal University of Rio de Janeiro – Brazil*)**11h35 – 11h50** - Three Cep164 orthologues in *Trypanosoma brucei* regulate growth of the flagellum
Jiri Tyc (*Oxford Brookes – UK*)**11h50 – 12h15** - Conclusions and reflections
Prof. Keith Gull (*University of Oxford – UK*)**14h00 - 20h00 – Registration****Gymnasium****16h30 - 17h00 - Meeting Opening****Room A Glória**

Welcome & Announcements

17h00 - 18h00 - Samuel Pessoa Conference**Room A Glória****Chair: Marcello Barcinski***Trypanosoma cruzi*, a flagellated parasite seeking shelter from the storm: multifaceted roles of bradykinin-induced proteolytic cascades**Julio Scharfstein** (*UFRJ, Rio de Janeiro, RJ, Brasil*)**20h00 - 20h30 - Reunião do Conselho/ Board Meeting****Room Baependi****20h30 - 22h30 – Poster Session****Gymnasium**

ODD Numbers/Números ÍMPARES

**NOVEMBER 6th, 2018****09h00 – 11h00 - OP.01 - Oral Presentations**
BIOLOGY OF HOST-PARASITE INTERACTION**Room A***Glória***Chair: Nilmar Moretti and Claudia Fernanda Dick**

HP1 - UNRAVELLING THE ACTIVATION MECHANISMS OF THE RECEPTOR-TYPE ADENYLATE CYCLASE FROM *TRYPANOSOMA BRUCEI*, A KEY MODULATOR OF THE HOST INNATE IMMUNE RESPONSE OF THE HOST.

LARISSA REZENDE VIERIA (*ULB, BELGIUM*)

HP2 - THE FLAGELLUM CONSTRUCTION IS AN EARLY EVENT IN THE LIFE CYCLE OF *TRYPANOSOMA BRUCEI* REVEALED BY FIB-SEM

MOARA LEMOS (*INSTITUT PASTEUR, FRANCE*)

HP3 - SAND FLY SALIVARY PROTEINS DRIVE NEUTROPHIL RECRUITMENT AND EXACERBATE LEISHMANIA INFECTION

ANDERSON GUIMARÃES BAPTISTA COSTA (*UFRJ, RJ, BRAZIL*)

HP4 - DUAL ROLES FOR IFN- γ AND INFAMMATORY MONOCYTES DURING EARLY *LEISHMANIA AMAZONENSIS* INFECTION

MATHEUS BATISTA HEITOR CARNEIRO (*UNIVERSITY OF CALGARY, CANADA*)

HP5 - ROLE OF MIRNAS IN THE REGULATION OF POLYAMINES/NO PRODUCTION PATHWAYS IN THP-1 DERIVED MACROPHAGES INFECTED WITH *LEISHMANIA AMAZONENSIS*

JULIANE CRISTINA RIBEIRO FERNANDES (*UNIVERSIDADE DE SÃO PAULO, SP, BRAZIL*)

HP6 - FUNCTIONAL, STRUCTURAL AND EVOLUTIONARY CHARACTERIZATION OF PROSTAGLANDIN F2 α SYNTHASES FROM *TRYPANOSOMA CRUZI*

FLORENCIA DÍAZ (*INSTITUT PASTEUR MONTEVIDEO, URUGUAY*)

HP7 - NEUTROPHIL ELASTASE PROMOTES INFECTION BY *LEISHMANIA DONOVANI* VIA INTERFERON β

BRUNA TORRES DIAS (*UFRJ, RJ, BRAZIL*)

HP8 - M1-M2 MIX IN *LEISHMANIA AMAZONENSIS*-MACROPHAGE INTERACTION: A TRANSCRIPTOMIC VIEW

JULIANA IDE AOKI (*INSTITUTO DE BIOCÊNCIAS, SP, BRAZIL*)

09h00 - 11h00 - OP.02 - Oral Presentations
BIOLOGY OF PROTOZOA AND THEIR VECTORS**Room B***Caxambu***Chair: Lucile Floeter Winter and Carolina Catta-Preta**

PV1 - INVESTIGATION OF ARGININE METHYLATION IN *LEISHMANIA (V.) BRAZILIENSIS* GROWTH AND INFECTION

LUCAS BIGOLIN LORENZON (*USP, RIBEIRAO PRETO, SP, BRAZIL*)

PV2 - ISOLATION AND CHARACTERIZATION OF FOUR NOVEL SOUTHAMERICAN STRAINS REVEALS UNDERAPRECIATED GENETIC DIVERSITY, WITH PHENOTYPICAL IMPLICATIONS, AMONG NEOSPORA CANINUM ISOLATES

MARIA EUGENIA FRANCA (*INSTITUT PASTEUR DE MONTEVIDEO, MONTEVIDEO, URUGUAY*)

PV3 - CHARACTERIZATION OF ANGIOGENESIS INDUCED BY *T. CRUZI* AND *L. BRAZILIENSIS* IN HAMSTER USING INTRAVITAL MICROSCOPY AND COMPUTER BASED TECHNOLOGY.

NILS ERIK SVENSKJÖ (*IBCCF-UFRJ, RIO DE JANEIRO, RJ, BRAZIL*)



NOVEMBER 6th, 2018

PV4 - SPOT THE DIFFERENCE: USING PROTEOMICS TO INVESTIGATE THE EFFECT OF THE BCAAS ON METACYCLOGENESIS IN *TRYPANOSOMA CRUZI*
JANAÍNA DE FREITAS NASCIMENTO (USP, SAO PAULO, SP, BRAZIL)

PV5 - ON THE IMPORTANCE OF VALIDATING *DIENTAMOEBIA FRAGILIS* REAL-TIME PCR ASSAYS
RORY GOUGH (UNIVERSITY OF TECHNOLOGY, SYDNEY, AUSTRALIA)

PV6 - EXPLOITING THE CRISPR/CAS9 REPERTOIRE FOR PRECISE GENE EDITING IN *TRYPANOSOMA CRUZI*
AMARANTA MUNIZ MALVEZZI (UNIFESP, SAO PAULO, SP, BRAZIL)

PV7 - DUPLICATION AND DELETION OF MOTIFS HAVE SHAPED THE EVOLUTION OF *TRYPANOSOMA CRUZI* TRANS-SIALIDASE, MUCIN AND MASP MULTIGENE FAMILIES, CORRELATING WITH THEIR EXPRESSION LEVELS
JOÃO LUIS REIS CUNHA (UFMG, BELO HORIZONTE, MG, BRAZIL)

PV8 - A POSSIBLE ROLE OF MSH6 IN THE OXIDATIVE STRESS RESPONSE IN *TRYPANOSOMATIDS*
VIVIANE GRAZIELLE DA SILVA (UFMG, BELO HORIZONTE, MG, BRAZIL)

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

Room C Aiuruoca

Chair: Juliany Rodrigues and Policarpo Sales

TB1 - DRUG TARGET DECONVOLUTION STUDIES IN *LEISHMANIA DONOVANI*
LUCIANA DE SOUSA PARADELA (UNIVERSITY OF DUNDEE, DUNDEE, UK)

TB2 - THE ROLE OF THE OVEREXPRESSION OF ABCG1, ABCG4 AND HMGCOA REDUCTASE ENZYME IN STEROLS HOMEOSTASIS OF *LEISHMANIA SPP.*
THAÍS MARTINS PEREIRA (FIOCRUZ, RIO DE JANEIRO, RJ, BRAZIL)

TB3 - SCREENING OF THE PATHOGEN BOX LIBRARY FOR DISCOVERY OF BROAD-SPECTRUM ANTI-*TRYPANOSOMATIDIC* AGENTS
LAURA MARIA ALCÂNTARA (USP, SAO PAULO, SP, BRAZIL)

TB4 - NEW MOLECULAR MARKERS FOR THE GENOTYPING OF SPECIES OF THE *LEISHMANIA* GENUS BY MULTIPLEX PCR
GABRIELLE ARIADINE BENTO (UFMG, BELO HORIZONTE, MG, BRAZIL)

TB5 - CLONING AND EXPRESSION OF STEROL C-24 METHYLTRANSFERASE (ERG6) GENE FROM *LEISHMANIA SPP.* AND LEISHMANICIDAL ACTIVITY OF AZOPTEROCARPANS
EDUARDO RAUL PEREIRA VELTRI (FIOCRUZ, RIO DE JANEIRO, RJ, BRAZIL)

TB6 - *IN VITRO* HUMAN VISCERAL LEISHMANIASIS MODEL BASED ON THE ORGANS-ON-A-CHIP TECHNOLOGY
CRISTIANA DE MELO TRINCONI (USP, SAO PAULO, SP, BRAZIL)

TB7 - SELECTION OF VACCINE CANDIDATES FOR LEISHMANIASIS USING THE PHAGE DISPLAY TECHNIQUE
MARIANNA DE CARVALHO CLÍMACO (UFMG, BELO HORIZONTE, MG, BRAZIL)

TB8 - IMMUNOLOGICAL ANALYSIS INDUCED BY CHIMERIC PROTEIN AS A VACCINE AGAINST *TRYPANOSOMATIDS*
RAYANE CRISTINA LUCAS (UFMG, BELO HORIZONTE, MG, BRAZIL)

**NOVEMBER 6th, 2018****11h00 - 11h30 - COFFEE BREAK****Gymnasium****11h30 - 12h00 – Flash Presentantion****Room A***Glória***Chair: Ariel M. Silber**

HP18 - USE OF HAMSTER (*MESOCRICETUS AURATUS*) AS A MODEL TO UNDERSTAND SPLEEN DISORGANIZATION IN INFECTION BY *LEISHMANIA INFANTUM*.

HP20 - FABP4 AND PPAR-GAMMA INVOLVEMENT IN *L. (L.) AMAZONENSIS*-INFECTED MACROPHAGES

HP22 - ABSTENCE OF REACTIVE OXYGEN SPECIES PROMOTES RESISTANCE TO *TOXOPLASMA GONDII* INFECTION IN MICE

HP24 - FUNCTIONAL GENOMICS FOR THE VALIDATION OF PUTATIVE MOLECULAR TARGETS OF PLATINUM AND PALLADIUM-BASED COMPOUNDS SYNTHETIZED AS ANTICHAGASIC AGENTS

PV18 - TCFR1 FERRIC IRON REDUCTASE OF *TRYPANOSOMA CRUZI* IS INVOLVED IN FE HOMEOSTASIS

PV20 - DIFFERENTIAL EXPRESSION OF A *TRYPANOSOMA CRUZI* RNA BINDING PROTEIN POSSIBLY INVOLVED WITH THE CONTROL OF VIRULENCE GENES

PV22 - MOLECULAR CHARACTERIZATION OF IRON TRANSPORT IN *TRYPANOSOMA CRUZI* AND ITS POTENTIAL ROLE IN PARASITE VIRULENCE

TB18 - MODIFIED LUCIFERASES AS A TOOL FOR PARASITE BURDEN DETERMINATION IN *LEISHMANIA AMAZONENSIS* *IN VITRO* AND *IN VIVO*

TB20 - PEPTIDES TARGETING *TRYPANOSOMA CRUZI* EPIMASTIGOTE SURFACE.

TB22 - EFFECT OF NOVEL CARBA-ISOFLOAVONONES DERIVATIVES AGAINST *LEISHMANIA INFANTUM*.

12h00 - 12h40 - CO.01 - Conference**Room A***Glória***Chair: Narcisa Cunha-Silva**

Kinetoplastid cell biology beyond the genome: understanding the links between parasite structure, function and pathogenicity

Keith Gull (*University of Oxford, Oxford, UK*)

12h40 - 14h00 - LUNCH

**NOVEMBER 6th, 2018****14h00 - 16h00 - RT.01 - RoundTable**
GENOMICS OF TRYPANOSOMATIDS**Room A***Glória***Chair: Angela Kaysel Cruz**Untangling complexity in trypanosome genomes
Fernando Alvarez-Valin (*UDELAR – Uruguay*)Comparative genomics reveals recombination events leading to antigenic variation in
*Trypanosoma cruzi***Björn Andersson** (*Karolinska Institutet – Stockholm – Sweden*)Genetic diversity and comparative genomics of *Trypanosoma cruzi*: progress, challenges, and wider priorities**Michael Miles** (*LSHTM – London – UK*)Exploring the content of ncRNAs in the protozoan parasite *Leishmania*
Angela Kaysel Cruz (*FMRP-USP – São Paulo - SP – Brasil*)**14h00 - 16h00 - RT.02 - RoundTable**AMOEBAS, GIARDIA, AND TRICHOMONADS: EVOLUTION AND
PATHOGENESIS**Room B***Caxambu***Chair: Tiana Tasca**Phylogenomics, ancestral state reconstruction and genome evolution in shelled
Amoebozoa**Daniel Lahr** (*IB-USP – São Paulo – SP – Brasil*)

Pathophysiology of giardiasis: from proteomics to pathogenesis

Kevin Tyler (*UEA – Norwich – UK*)Studies on the *Giardia intestinalis* cell cycle**Janet Yee** (*Trent University – Peterborough – Canada*)Purinergic signaling in *Trichomonas vaginalis*-host interaction**Tiana Tasca** (*UFRGS – Porto Alegre – RS – Brasil*)**16h00 - 16h30 - COFFEE BREAK****Gymnasium****16h30 - 17h00 - CO.02 - Conference****Room A***Glória***Chair: Luis Crocco Afonso**Targeting CD4+ T cells for vaccination against intra-phagosomal pathogens: insight from the
Leishmania model**Nathan Peters** (*University of Calgary – Calgary – Canada*)**16h30 - 17h00 - CO.03 - Conference****Room B***Caxambu***Chair: Maria Carolina Elias**Amino acids as a toolbox for the dangerous lifestyle of *Trypanosoma cruzi***Ariel Mariano Silber** (*ICB-USP – São Paulo – SP – Brasil*)



NOVEMBER 6th, 2018

17h00 - 17h30 - CO.04 - Conference

Room A

Glória

Chair: Luis Crocco Afonso

Killing the messenger: disrupting vector-host-parasite interactions to control leishmaniasis

Luiz Fabiano Oliveira (*NIH-HHS – Washington – MD – USA*)

17h00 - 17h30 - CO.05 - Conference

Room B

Caxambu

Chair: Maria Carolina Elias

Variant gene transcription in *Plasmodium falciparum*: novel insights on rif and var gene transcription

Gerhard Wunderlich (*USP-ICB – São Paulo – SP – Brasil*)

18h30 - 19h30 - Plenary Session of SBPz

Room B

Caxambu

20h30 - 22h30 - Poster Session

Gymnasium

EVEN Numbers/Números PARES

**NOVEMBER 7th, 2018****09h00 - 11h00 - OP.04 - Oral Presentations**
BIOLOGY OF HOST-PARASITE INTERACTION**Room A** Glória**Chair: Camila Indiani and Carla Cristi Del Campo Avila**

HP9 - DEUBIQUITINATING CYSTEINE PEPTIDASES (DUBS) OF *LEISHMANIA* ARE ESSENTIAL FOR LIFE CYCLE PROGRESSION

CAROLINA MOURA COSTA CATTAPRETA (UNIVERSITY OF YORK, YORK, UK)

HP10 - MOLECULAR IDENTIFICATION OF *LEISHMANIA* SP. FIELD ISOLATES FROM DOGS WITH VISCERAL LEISHMANIASIS REVEALS COINFECTION WITH PARASITES FROM *VIANNIA* AND *LEISHMANIA* SUBGENUS

JENNIFER OTTINO (UFMG, BELO HORIZONTE, MG, BRAZIL)

HP11 - RAPID ACCUMULATION OF SURAMIN IN BLOODSTREAM FORM TRYPANOSOMES LEADS TO DIFFERENTIATION RELATED METABOLIC SWITCHING

MARTIN ZOLTNER (SCHOOL LIFE SCIENCES, UNIVERSITY OF DUNDEE, DUNDEE, UK)

HP12 - THE MICROBIOTA DETERMINES THE MACROPHAGE IMMUNE RESPONSE PATTERN AFTER *TRYPANOSOMA CRUZI* INFECTION IN VITRO

DIEGO COSTA BORGES (UFMG, BELO HORIZONTE, MG, BRAZIL)

HP13 - RADIAL GLIA CELLS INFECTION BY *TOXOPLASMA GONDII* IMPAIRS NEUROGENESIS AND DISRUPTS BRAIN MICROVASCULAR ENDOTHELIAL CELLS INTEGRITY

DANIEL ADESSE (FIOCRUZ, RIO DE JANEIRO, RJ, BRAZIL)

HP14 - ROLE OF TOLL-LIKE RECEPTORS AND MICRORNA-LET-7E TO MACROPHAGE INFLAMMATORY RESPONSE DURING *LEISHMANIA AMAZONENSIS* INFECTION

STEPHANIE MAIA ACUÑA (IB - USP, SAO PAULO, SP, BRAZIL)

HP15 - SWIM LIKE YOUR LIFECYCLE DEPENDS ON IT: INVESTIGATING CHEMOTAXIS AND NAVIGATION IN *LEISHMANIA* PARASITES

RACHEL C FINDLAY (UNIVERSITY OF YORK, YORK, UK)

HP16 - EXTRACELLULAR VESICLES (EVS) FROM DIFFERENT *LEISHMANIA* SPECIES HAS IMMUNOMODULATORY ROLE IN MURINE MACROPHAGES

RODRIGO PEDRO SOARES (FIOCRUZ - IRR, BELO HORIZONTE, MG, BRAZIL)

09h00 - 11h00 - OP.05 - Oral Presentations
BIOLOGY OF PROTOZOA AND THEIR VECTORS**Room B** Caxambu**Chair: Alessandra Guarneri and Luiz Ricardo Tosi**

PV9 - LAMIN PROTEIN NUP-1 IN *TRYPANOSOMA BRUCEI* ASSEMBLY SUGGESTS A 'HUB AND SPOKE' MODEL

NORMA EDITH PADILLA MEJIA (SCHOOL OF LIFE SCIENCES, UNIVERSITY OF DUNDEE, DUNDEE, UK)

PV10 - A NEW WAY TO PLAY AN OLD GAME: LESSONS FROM REPLICATION PROTEIN A IN TRYPANOSOMATIDS.

RAPHAEL SOUZA PAVANI (INSTITUTO BUTANTAN, SAO PAULO, SP, BRAZIL)

PV11 - USING CONDITIONAL GENOME ENGINEERING WITH DICRE AND CRISPR/CAS9 TO UNDERSTAND THE ROLE OF HOMOLOGOUS RECOMBINATION IN DNA REPLICATION IN *LEISHMANIA*.



NOVEMBER 7th, 2018

JEZIEL DENER DAMASCENO (*THE WELCOME TRUST CENTRE FOR MOLECULAR PARASITOLOGY, UNIVERSITY OF GLASGOW, GLASGOW, UK*)

PV12 - DISSECTING THE ATR PATHWAY OF *LEISHMANIA MAJOR*: CHARACTERIZATION OF AN ATR KINASE-DEFICIENT CELL LINE.

GABRIEL LAMAK ALMEIDA DA SILVA (*UNIVERSIDADE DE SÃO PAULO, RIBEIRAO PRETO, SP, BRAZIL*)

PV13 - TB8870, A CYTOPLASMIC PROTEIN IS CRITICAL FOR PFR ASSEMBLY IN *TRYPANOSOMA CRUZI*

ALINE ARAUJO ALVES (*IBCCF, RIO DE JANEIRO, RJ, BRAZIL*)

PV14 - INORGANIC POLYPHOSPHATE INTERACTS WITH NUCLEOLAR AND GLYCOSOMAL PROTEINS IN *TRYPANOSOMATIDS*

RAQUEL SILVA DE NEGREIROS (*UNICAMP, CAMPINAS, SP, BRAZIL*)

PV15 - EDITING DELTA- AND DELTA-AMA40/50 AMASTINS FROM *TRYPANOSOMA CRUZI* BY CRISPR-CAS9 SYSTEM

LAIANE LEMOS-PECHNICKI (*UFPR, CURITIBA, PR, BRAZIL*)

PV16 - DISRUPTION OF GENES ENCODING ACTIVE TRANS-SIALIDASES IN *TRYPANOSOMA CRUZI* USING CRISPR/CAS9 TECHNOLOGY

GABRIELA DE ASSIS BURLE CALDAS (*UFMG, BELO HORIZONTE, MG, BRAZIL*)

09h00 - 11h00 - OP.06 - Oral Presentations

TRANSLATIONAL BIOLOGY

Room C Aiuruoca

Chair: Aline Araujo Zuma and Glauber Wagner

TB9 - FUNCTIONAL CHARACTERIZATION OF A COMPOUND CAPABLE OF INDUCING *T. CRUZI* CELL CYCLE ARREST AT G1 PHASE WITHOUT CAUSING LOSS OF PARASITE VIABILITY

ADALBERTO MIGUEL DE ARAÚJO JÚNIOR (*UNIFESP - DMIP, SÃO PAULO, SP, BRASIL*)

TB10 - FROM WASTE TO "FUEL FOR LIFE": ALANINE AS A "FLEX" METABOLITE IN *TRYPANOSOMA CRUZI*

RICHARD MARCEL BRUNO MOREIRA GIRARD (*USP, SÃO PAULO, SP, BRAZIL*)

TB11 - PHENOTYPIC AND GENETIC CHARACTERIZATION OF *TRYPANOSOMA CRUZI* RESISTANT TO RAVUCONAZOLE

CAIO H FRANCO (*BRAZILIAN BIOSCIENCES NATIONAL LABORATORY, CAMPINAS, SP, BRAZIL*)

TB12 - IDENTIFICATION OF POTENTIAL NEW MOLECULAR TARGETS FOR THE TREATMENT OF LEISHMANIASIS

RAPHAELA LOPES SILVA (*FIOCRUZ, RIO DE JANEIRO, RJ, BRAZIL*)

TB13 - NITRO-HETEROARYL NITRONES AS NITROREDUCTASES-BIOACTIVATED LEISHMANICIDAL COMPOUNDS

JULIANA DA SILVA PACHECO (*FIOCRUZ, RIO DE JANEIRO, RJ, BRAZIL*)

TB14 - STRUCTURE-ACTIVITY RELATIONSHIP OF THE THIOUREIA DERIVATIVES AGAINST *LEISHMANIA AMAZONENSIS*.

LAIZA MARIA DA SILVA SOARES (*FIOCRUZ, RIO DE JANEIRO, RJ, BRAZIL*)

**NOVEMBER 7th, 2018**

TB15 - REPURPOSING DRUG CANDIDATE FOR THE TREATMENT OF LEISHMANIASIS INTERFERES ON STEROL BIOSYNTHESIS PATHWAY AND POTENTIATES THE EFFICACY OF GLUCANTIME ON EXPERIMENTAL MODEL OF VISCERAL LEISHMANIASIS
ELISA CAVALCANTE PEREIRA (FIOCRUZ, RIO DE JANEIRO, RJ, BRAZIL)

TB16 - UNVEILING THE PATHWAYS RELATED TO INTRINSIC MILTEFOSINE TOLERANCE IN *LEISHMANIA (VIANNIA) BRAZILIENSIS* CLINICAL ISOLATES: TAKE IT IN AND DIE.
CAROLINE RICCE ESPADA (UNIVERSIDADE DE SÃO PAULO, SAO PAULO, SP, BRAZIL)

11h00 - 11h30 - COFFEE BREAK**Gymnasium****11h30 - 12h00 - CO.06 - Conference****Room A Glória****Chair: Erica M. Duarte**Molecular genetics for *Cryptosporidium***Boris Striepen** (UPENN – Philadelphia – USA)**12h00 - 12h30 - CO.07 - Conference****Room A Glória****Chair: Edmundo C. Grisard**Genome-wide studies helping us to understand differentiation and intracellular survival of *Trypanosoma cruzi***Santuza M. Teixeira Ribeiro** (UFMG – Belo Horizonte – MG – Brasil)**12h00 - 12h30 - CO.08 - Conference****Room B Caxambu****Chair: Sergio Schenckman**

DNDi - A novel collaborative R&D approach to deliver new treatments for neglected tropical diseases

Jadel Kratz (DNDI – Rio de Janeiro – RJ – Brasil)**12h30 - 14h00 - LUNCH****14h00 - 16h00 - RT.03 – Round Table****RECENT INSIGHTS ON INVASION, VIRULENCE, CELL BIOLOGY AND PATHOGENESIS OF APICOMPLEXANS** **Room A Glória****Chair: Sheila Nardelli**An updated look on *Toxoplasma gondii* behavior along its intracellular cycle**Marcia Attias** (UFRJ – Rio de Janeiro – RJ – Brasil)

Insights into the rhoptry secretion mechanism during Apicomplexa invasion

Maryse LeBrun (DIMNP-Université de Montpellier – Montpellier – France)

The parasite kinase ROP16 is a key virulence factor that acts in cis and trans and mediates suppression of T cell responses

Chris Hunter (UPENN – Philadelphia – USA)



Pathogenesis of severe Malaria

Mats Wahlgren (*Institute Karolinska – Stockholm – Sweden*)

14h00 - 16h00 - RT.04 – Round Table

SOME ASPECTS OF THE CELL BIOLOGY OF VIRULENCE IN
TRYPANOSOMATIDS

Room B

Caxambu

Chair: Marcello Barcinski

Arginine monomethylation epigenetically regulates parasite virulence via the mRNA-bound proteome of *Leishmania*

Pegine Walrad (*University of York – York – USA*)

T. cruzi intracellular development: cellular and molecular aspects

Luciana de Oliveira Andrade (*UFMG – Belo Horizonte – MG – Brasil*)

TGF- β as a multifunctional protein in *T. cruzi* host-cell biology and in the development of Chagas heart disease

Mariana Caldas Waghbi (*FIOCRUZ – Rio de Janeiro – RJ – Brasil*)

16h00 - 16h30 - COFFEE BREAK

Gymnasium

16h30 - 17h00 - CO.09 – Conference

Room A

Glória

Chair: Juliany Rodrigues

Membrane proteins involved in iron homeostasis in *Leishmania*

Maria Fernanda Laranjeira da Silva (*USP – São Paulo – SP – Brasil*)

16h30 - 17h00 - CO.10 – Conference

Room B

Caxambu

Chair: Luis Orsini Tosi

Searching new targets for Leishmaniasis chemotherapy by functional genomics

Silvane Maria Fonseca Murta (*FIOCRUZ – Belo Horizonte – MG – Brasil*)

17h00 - 18h00 - CC – Closure Conference

Room A

Glória

Chair: Santuza M. R. Teixeira

Messieurs, c'est les microbes qui auront le dernier mot." (Gentlemen, microbes will have the last word)

Leda Quercia Vieira (*UFMG – Belo Horizonte – MG – Brasil*)

18h00 - 19h00 - Brainstorm

Room B

Caxambu

Chair: Edmundo C. Grisard

Como será o financiamento de C, T & I no Brasil?

Lucile Maria Floeter Winter (*SBPC and IB - São Paulo – SP – Brasil*)



NOVEMBER 7th, 2018

19h00 - 21h00 – Signature of Receipts to SBPz Members

Gymnasium

21h30 - 22h30

CLOSING SESSION

Zigman Brener and Walter Colli Awards and Closing Remarks

Room A

Glória