

Meeting Program (Programa Científico)

September 19th, 2011

14h00 - 20h00 - Expo Center II - Registration

16h00 - 16h20 - Expo Center IV - Room A - Meeting Opening

Welcome & Announcements

16h20 - 17h20 - Expo Center IV - Room A - SPC 001 - Samuel Pessoa Conference

TRYPANOSOMA CRUZI: A MODEL SYSTEM FOR CELL DIFFERENTIATION AND GENE
EXPRESSION REGULATION STUDIES

Samuel Goldenberg (Instituto Carlos Chagas ICC – FIOCRUZ, Curitiba, PR, Brasil)

Chair: Isaac Roitman (Secretaria da Criança do Distrito Federal, Brasília, DF, Brasil)

17h20 - 17h30 - Expo Center IV - Room A – BOOK LAUNCH

LEISHMANIAS E LEISHMANIOSE TEGUMENTAR NAS AMERICAS

Jackson Costa and Aldina Barral

18h00 - 19h00 - Expo Center IV - Room D - REUNIÃO DO CONSELHO

20h30 - 22h30 - Expo Center III - PS - 01 - POSTER SESSION

ODD Numbers / Números ÍMPARES

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09h00 - 11h00 - Expo Center IV - ROOM A - OP01 - ORAL PRESENTATIONS Biochemistry and Epidemiology

Chair: Jeffrey Jon Shaw and Luiz Claudio Miletto

BQ001 - THE PRESENCE OF THE SYMBIOTIC BACTERIUM INFLUENCES THE O₂ CONSUMPTION IN ITS HOST CELL, *CRITHIDIA DEANEI*.

Allan Cezar De Azevedo Martins (IBCCF UFRJ, Rio De Janeiro, RJ, Brasil)

BQ002 - *TRYPANOSOMA CRUZI*: A MITOCHONDRIAL DELTA-1-PYRROLINE-5-CARBOXYLATE DEHYDROGENASE (TCP5CDH) IS INVOLVED IN THE ENERGETIC METABOLISM

Brian Alejandro Suarez Mantilla (Universidade de São Paulo, São Paulo, SP, Brasil)

BQ003 - *LEISHMANIA (VIANNIA) BRAZILIENSIS* MULTINUCLEATION AND CYTOKINESIS INHIBITION BY MYRIOCIN

Erica Valadares De Castro

Universidade Federal de São Paulo, São Paulo, SP, Brasil

BQ004 - MOBILITY AND MORPHOLOGY AND EXPRESSION OF ANTIOXIDANT ENZYMES IN *TRYPANOSOMA CRUZI* TRYPOMASTIGOTES UPON H₂O₂ – TREATMENT

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

BQ005 - RIBOSE-5-PHOSPHATE ISOMERASE FROM *TRYPANOSOMA BRUCEI*: FUNCTIONAL AND BIOCHEMICAL CHARACTERIZATION

Marcelo Alves Ferreira (IOC - Fiocruz And De Duve Institute, Rio De Janeiro, RJ, Brasil)

BQ006 - INVOLVEMENT OF REDOX-STATUS IN MACROPHAGE INFECTION BY *TRYPANOSOMA CRUZI*

Jéssica Isis Oliveira De Paula (Universidade do Estado do Rio de Janeiro, Rio de Janeiro, Brasil)

EP001 - *PLASMODIUM FALCIPARUM* MEROZOITE ANTIGENS ASSOCIATED TO PROTECTION FROM NATURALLY ACQUIRED IMMUNE RESPONSE IN THE BRAZILIAN AMAZON

Marcia Melo Medeiros (Instituto De Ciências Biomédicas/USP, São Paulo, SP, Brasil)

EP002 - CLINICAL AND EPIDEMIOLOGICAL ASPECTS THAT INFLUENCE THE EVOLUTION TO CURE OR DEATH OF HUMAN VISCERAL LEISHMANIASIS IN GOVERNADOR VALADARES, MG, BRAZIL

Gulnara Patricia Borja-Cabrera (UNIVALE/Núcleo De Imunologia – Brasil)

EP003 - EPIDEMIOLOGICAL ASPECTS OF HUMAN VISCERAL *LEISHMANIASIS* IN GOVERNADOR VALADARES, MINAS GERAIS, BRAZIL

Gulnara Patricia Borja-Cabrera (Univale/Núcleo de Imunologia, MG, Brasil)

EP004 - *LEISHMANIA AMAZONENSIS* AND *LEISHMANIA BRAZILIENSIS* IN DIDELPHIS ALBIVENTRIS AND MICOUREUS PARAGUAYANUS OF BRAZIL

Amanda Pifano Neto Quintal (Universidade de Uberlandia, MG, Brasil)

09h00 - 11h00 - Expo Center IV - ROOM B - OP02 - ORAL PRESENTATIONS Molecular Biology

Chair: Maria Fernanda Laranjeira da Silva and Gerhard Wunderlich

BM001 - STABILITY OF THE EPISOMAL PX63-GFP PLASMID IN *LEISHMANIA CHAGASI*
Leonardo Vicentini Arruda (Fiocruz, Salvador, BA, Brasil)

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Bm002 - CHARACTERIZATION OF A PROTEIN TYROSINE PHOSPHATASE IN *TRYPANOSOMA RANGELI* (TRPTP2) USING MONOCLONAL ANTIBODIES
Elisa Beatriz Prestes (Universidade Federal de Santa Catarina, Florianópolis, SC, Brasil)

BM003 - COMPARATIVE ANALYSIS OF GENE EXPRESSION PROFILE IN ANTIMONY-RESISTANT AND SUSCEPTIBLE NEW WORLD LEISHMANIA SPECIES
Rubens Lima Monte Neto (UFMG, Belo Horizonte, MG, Brasil)

BM004 - TCOLA, AN OBG ATPASE THAT PLAYS A ROLE IN THE OXIDATIVE STRESS IN *TRYPANOSOMA CRUZI*
Daniela Fiori Gradia (Instituto Carlos Chagas, Curitiba, PR, Brasil).

BM005 - TOWARDS THE ESTABLISHMENT OF A CONSENSUS REAL-TIME QPCR TO MONITOR *TRYPANOSOMA CRUZI* PARASITAEMIA IN CHRONIC CHAGASIC CARDIOMYOPATHY PATIENTS
Otacilio da Cruz Moreira (IFRJ / Fiocruz, Rio de Janeiro, RJ, Brasil)

BM006 - COMPARATIVE PROTEOMICS OF WILD TYPE AND TOR KNOCK DOWN IN *TRYPANOSOMA BRUCEI*
Mariana Leão de Lima (Universidade Federal de São Paulo, São Paulo, SP, Brasil)

BM007 - HORIZONTAL GENE TRANSFER CONFERS FERMENTATIVE METABOLISM IN THE RESPIRATORY-DEFICIENT PLANT TRYPANOSOMATID PHYTOMONAS SERPENS
Susan lenne da Silva (Universidade de São Paulo, São Paulo, SP, Brasil)

BM008 - SIRTUIN-MEDIATED DOWNREGULATION OF GENES CO-RELATES TO H3AC MODIFIED CHROMATIN REGIONS IN *LEISHMANIA*
Nilmar Silvio Moretti (FMRP - Universidade de São Paulo, Ribeirão Preto, SP, Brasil)

BM019 - EVIDENCE FOR *TRYPANOSOMA CRUZI* IN ADIPOSE TISSUE IN HUMAN CHRONIC CHAGAS DISEASE
Marcela Segatto (Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brasil)

09h00 - 11h00 - Expo Center IV - ROOM C - OP03 - ORAL PRESENTATIONS Cell Biology

Chair: Renato Augusto Damatta and Daniele Dos Santos Andrade

BC001 - METACYCLIC FORMS OF A NEW LINEAGE OF *TRYPANOSOMA CRUZI* ASSOCIATED WITH BATS INVADE HOST CELLS BY ENGAGING THE SURFACE MOLECULE GP82
Fernando Yukio Maeda (Universidade Federal de São Paulo, São Paulo, SP, Brasil)

BC002 - THE ENDOSYMBIONT OF *BLASTOCRITHIDIA CULICIS* DEPENDS ON THE HOST CELL TO DIVIDE
Felipe Lopes Brum-da-Silveira (UFRJ, Rio de Janeiro, RJ, Brasil)

BC003 - PROTEOMIC PROFILES OF TWO *LEISHMANIA INFANTUM* STRAINS WITH VIRULENCE VARIATION
Luiz Carlos Fialho Júnior (UFMG, Belo Horizonte, MG, Brasil)

BC004 - PROTEOLYTIC CLEAVAGE OF MACROPHAGE MEMBRANE FUSION REGULATORS BY *LEISHMANIA* PROMASTIGOTES
Albert Descoteaux (INRS- Institut Armand-Frappier, Laval, Canadá)

BC006 - METACYCLOGENESIS CONTROL BY ADENOSINE IN *LEISHMANIA* PARASITES
Tiago Donatelli Serafim (Laboratório de Imunoparasitologia, UFOP, Ouro Preto, MG, Brasil)

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Bc007 - EARLY RESONSE OF ADIPOSE TISSUE TO *TRYPANOSOMA CRUZI* INFECTION
Herbert Bernard Tanowitz (Albert Einstein College Of Medicine, Bronx, Estados Unidos)

BC008 - CHOLESTEROL DEPLETION INDUCES LYSOSOMAL DEPLETION AND IMPAIRS
T. CRUZI ENTRY INTO NON-PROFESSIONAL PHAGOCYtic CELLS

Barbara Hissa (Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brasil)

BC009 - MURINE *LEISHMANIASIS*: A POTENTIAL MODEL FOR CHRONIC HYPOXIA

Alexandra Paiva Araujo (UNICAMP, Campinas, SP, Brasil)

BC010 - CROSSTALK BETWEEN LEISHMANIA AMAZONENSIS-INFECTED HUMAN
NEUTROPHILS AND DENDRITIC CELLS ALTERS THEIR SURFACE MOLECULES
EXPRESSION.

Natália Tavares Machado (Fiocruz, Salvador, BA, Brasil).

09h00 - 11h00 - Expo Center IV - ROOM D - OP04 - ORAL PRESENTATIONS

Immunology

Chair: Milton Adriano Pelli De Oliveira And Silvia Beatriz Boscardin

IM001 - SYNTHETIC PEPTIDES ARE RELIABLE TOOLS TO DIAGNOSE CANINE VISCERAL
LEISHMANIASIS BUT NOT FOR HUMAN VISCERAL LEISHMANIASIS

Angelica Rosa Faria (UFMG, Belo Horizonte, MG, Brasil)

IM002 - MILTEFOSINE EXERTS ITS LEISHMANICIDAL ACTION VIA PAF RECEPTOR

Waldione De Castro (UFMG, Belo Horizonte, MG, Brasil)

IM003 - EVALUATION OF THE INTERACTION BETWEEN NEUTROPHILS AND *LEISHMANIA
BRAZILIENSIS*

Sarah De Athayde Couto Falcão (CPQGM-Fiocruz, Salvador, BA, Brasil)

IM004 - RECOGNITION OF NEOSPORIA CANINUM BY DECTIN-1 INDUCES DOWN-
MODULATION OF IMMUNE RESPONSES IN MICE

Tiago Wilson Patriarca Mineo (Universidade Federal De Uberlândia, Uberlândia, MG, Brasil)

IM005 - IDENTIFICATION OF CONSERVED AND POLYMORPHIC EPITOPES IN DISTINCT
TRYPANOSOMA CRUZI STRAINS WITH POTENTIAL APPLICATION FOR SEROTYPING

Tiago Antônio De Oliveira Mendes (Universidade Federal De Minas Gerais, Belo Horizonte,
MG, Brasil) .

IM006 - TOLL RECEPTORS TYPE-2 IN PERIPHERAL BLOOD MONOCYTES AND ITS
CORRELATION WITH CD11B/CD18 EXPRESSION AND XENODIAGNOSIS IN CANINE
VISCERAL *LEISHMANIASIS*

Izabela Ferreira Gontijo Amorim (UFMG, Belo Horizonte, MG, Brasil)

IM007 - RETINOIC ACID ENCAPSULATED IN SOLID LIPID NANOPARTICLES IS AN
ADJUVANT TO THE ANTILEISHMANIAL LAAG INTRANASAL VACCINE

Izabella Pereira da Silva Bezerra (Universidade Federal do Rio de Janeiro, Rio de Janeiro,
RJ, Brasil)

IM009 - IMPACT OF AMASTIGOTES OF *TRYPANOSOMA CRUZI* ON CARDIOMYOCYTE
APOPTOSIS AND THE IMMUNOLOGICAL ROLE OF THEIR GLYCOLIPID

Philipp Stahl Philipps (Univeristy Marburg, Marburg, Alemanha)

IM011 - CHARACTERIZATION OF REGULATORY T CELLS (TREGS) FUNCTION IN
PATIENTS WITH CUTANEOUS LEISHMANIASIS DUE TO LEISHMANIA BRAZILIENSIS
INFECTION

Diego Luis Costa (Faculdade de Medicina de Ribeirão Preto - USP, Ribeirão Preto, SP, Brasil)

11h00 - 11h25 - Foyer - COFFEE BREAK

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11h00 - 11h25 - Foyer - COFFEE BREAK

11h30 - 12h00 - Expo Center IV - Room A - MC. 001 - MINI-CONFERENCE

AFTER 100 YEARS HOW WELL DO WE KNOW *LEISHMANIA (VIANNIA) BRAZILIENSIS* VIANNA 1911?

Jeffrey J. Shaw (Universidade de São Paulo, Instituto de Ciências Biomédicas, São Paulo, SP, Brasil)

Chair: Sergio Schenkman (Universidade Federal de São Paulo, São Paulo, SP, Brasil)

11h30 - 12h00 - Expo Center IV - Room B - MC. 002 - MINI-CONFERENCE

TRANSCRIPTOME ANALYSIS BY RNA-SEQ: INSIGHTS INTO LEISHMANIA BIOLOGY

Peter J. Myler (University of Washington, Seattle, Washington, USA)

Chair: Luiz Ricardo Orsini Tosi (Faculdade de Medicina de Ribeirão Preto, USP, Ribeirão Preto, SP, Brasil)

12h00 - 12h30 - Expo Center IV - Room A - MC. 003 - MINI-CONFERENCE

THE CROSSING OF ENDOTHELIAL BARRIERS BY PLASMODIUM SOROZOITES

Rogério Amino (Instituto Pasteur, Paris, France)

Chair: Sergio Schenkman (Universidade Federal de São Paulo, São Paulo, SP, Brasil)

12h00 - 12h30 - Expo Center IV - Room B - MC. 004 - MINI-CONFERENCE

SUBVERSION AND MODULATION OF HOST IMMUNITY BY *LEISHMANIA AMAZONENSIS* PARASITES

Lynn Soong (Center for Biodefense & Emerging Infectious Diseases, Sealy Center for Vaccine Development, Galveston, Texas, USA)

Chair: Luiz Ricardo Orsini Tosi (Faculdade de Medicina de Ribeirão Preto, Universidade de São Paulo, Ribeirão Preto, SP, Brasil)

14h30 - 16h00 - Expo Center IV - Room A - RT. 001 - ROUND TABLE

GENE EXPRESSION AND FUNCTIONAL GENOMICS IN TRYPANOSOMATIDS

Chair: Marco Aurelio Krieger (ICC- FIOCRUZ, Curitiba, PR, Brasil)

RT 001-A - GENOME-BASED APPROACHES TO STUDY ANTIGENIC VARIABILITY IN *TRYPANOSOMA CRUZI*

Daniella Castanheira Bartholomeu (Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brasil)

RT 001-B - *LEISHMANIA (VIANNIA) BRAZILIENSIS* TRANSCRIPTOME BY RNA-SEQ: LOOKING FOR GENES RELATED TO VIRULENCE IN TWO DISTINCT ISOLATES

Juliana Lopes Rangel Fietto (Universidade Federal de Viçosa, Centro de Ciências Biológicas e da Saúde, Viçosa, MG, Brasil)

RT 001-C - INVESTIGATING THE FUNCTIONS OF THE STAGE-REGULATED HASPB AND SHERP PROTEINS IN *LEISHMANIA* METACYCLOGENESIS

Deborah F. Smith (University of York, Heslington, York, United Kingdom)

14h30 - 16h00 - Expo Center IV - Room B - RT.002 - ROUND TABLE

THE LITTLE WORLD OF THE EXOSOME, VESICLES AND MICROPARTICLES

Chair: Ana Claudia Trocoli Torrecilhas (Universidade Federal de São Paulo, São Paulo, SP, Brasil)

RT 002-A - IMMUNOBIOLOGY OF LEISHMANIA EXOSOMES

Neil Reiner (UBC Department of Medicine, Vancouver, Canada)

RT 002-B - *TRYPANOSOMA CRUZI*: TRYPOMASTIGOTES SECRETE VESICLES WITH PROINFLAMMATORY VIRULENCE FACTORS THAT ENHANCE CELL INVASION

Ana Claudia Trocoli Torrecilhas (Universidade Federal de São Paulo, São Paulo, SP, Brasil)

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RT 002-C - POTENTIAL HOST BIOMARKERS FOR *PLASMODIUM VIVAX* MORBIDITY: MICROPARTICLES AND CIRCULATING NUCLEIC ACIDS

Luzia Helena Carvalho (Fundação Oswaldo Cruz, Centro de Pesquisas René Rachou, Belo Horizonte, MG, Brasil)

14h30 - 16h00 - Expo Center IV - Room C - RT.003 - ROUND TABLE

TOPICS IN VECTOR OF HUMAN PATHOGENS

Chair: Elizabeth Ferreira Rangel (Fundação Oswaldo Cruz, Instituto Oswaldo Cruz, Rio de Janeiro, RJ, Brasil)

RT 003-A - IS A PHEROMONE BASED APPROACH TO VISCERAL LEISHMANIASIS CONTROL IN BRAZIL FEASIBLE

J.G.C.Hamilton (School of Life Sciences, Keele University, Keele, United Kingdom)

RT 003-B - A NEW PERSPECTIVE ON THE INTERACTIONS BETWEEN TRIATOMINES AND TRYPANOSOMES

Alessandra A. Guarneri (Laboratório Triatomíneos e Epidemiologia da Doença de Chagas, Instituto René Rachou – Fiocruz, Belo Horizonte, MG, Brasil)

RT 003-C - ENVIRONMENTAL CHANGES AND THE IMPACT ON THE LEISHMANIASIS TRANSMISSION

Elizabeth Ferreira Rangel (Fundação Oswaldo Cruz, Instituto Oswaldo Cruz, Rio de Janeiro, RJ, Brasil)

14h30 - 16h00 - Expo Center IV - Room D - RT.004 - ROUND TABLE

GENOMIC AND PROTEOMIC FOR NEW THERAPEUTIC TARGETS

Chair: Lucile Maria Floeter-Winter (USP, Instituto de Biociências, São Paulo, SP, Brasil)

RT 004-A - VISUAL GENOME-WIDE RNAI SCREENING TO IDENTIFY HUMAN HOST FACTORS REQUIRED FOR *TRYPANOSOMA CRUZI* INFECTION

Fernando de Macedo Dossin (Institut Pasteur Korea, Center for Neglected Diseases Drug Discovery (CND3), Seongnam-si, Coréia do Sul)

RT 004-B - TDR TARGETS: A CHEMOGENOMICS RESOURCE FOR NEGLECTED DISEASES

Fernan Aguero (Instituto de Investigaciones Biotecnológicas (IIB-INTECH), Buenos Aires, Argentina)

RT 004-C - IN SILICO APPROACHES FOR THERAPEUTIC INNOVATION

Marcelo Zaldini Hernandez (Universidade Federal de Pernambuco, Centro de Ciências da Saúde, Recife, PE, Brasil)

16h00 - 16h25 - Foyer - COFFEE BREAK

16h30 - 17h10 - Expo Center IV - Room A - CO. 001 – CONFERENCE

IMMUNOLOGICAL CONTROL OF PHOSPHATIDYLSERINE EXPOSURE BY AMASTIGOTES OF *LEISHMANIA (L) AMAZONENSIS*

Marcello Andre Barcinski (USP, Instituto de Ciências Biomédicas, São Paulo, SP, Brasil)

Chair: João Santana da Silva (FMRP, USP, São Paulo, SP, Brasil)

17h10 - 17h50 - Expo Center IV - Room A - CO. 002 – CONFERENCE

HOST REMODELING BY MALARIA, LINKED TO SIGNALING, ANEMIA, INFLAMMATION AND DEATH

Kasturi Haldar (University of Notre Dame, Notre Dame, USA)

Chair: João Santana da Silva (FMRP, USP, São Paulo, SP, Brasil)

18h00 – 19h00 - Expo Center IV - Room D – PLENARY SESSION OF SBPZ

20h30 - 22h30 - Expo Center III - PS-002 - POSTER SESSION

EVEN Numbers / Números PARES

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09h00 - 11h00 - Expo Center IV - ROOM A - OP05 - ORAL PRESENTATIONS Cell Biology and Molecular Biology

Chair: Lucio Ayres Caldas and Wanderson Duarte Darocha

BC005 - MAXADILAN INCREASES PLASMA LEAKAGE IN POSTCAPILLARY VENULES VIA STIMULATION OF PAC1 AND CXCR1/2 RECEPTORS ON LEUKOCYTES
Erik Svensjö (Instituto Biofísica Carlos Chagas Filho, UFRJ, Rio de Janeiro, RJ, Brasil)

BC011 - *TRYPANOSOMA CRUZI* OF DIFFERENT STRAIN AND EVOLUTIONARY STAGE CAN INDUCE PLASMA MEMBRANE DERIVED MICROVESICLES PRODUCTION DURING HOST CELL INTERACTION
Marcel Ivan Ramirez Araya (IOC, Rio de Janeiro, RJ, Brasil)

BC012 - CHARACTERIZATION OF PARAFLAGELLAR RODS IN *GIARDIA DUODENALIS*
Claudia Maia Brigagão (UFRJ, Rio de Janeiro, RJ, Brasil)

BC013 - A RECOMBINANT PROTEIN BASED ON *TRYPANOSOMA CRUZI* P21 UPREGULATES UNSPECIFIC PHAGOCYTOSIS
Tatiana Mordente Clemente (UFU, Uberlândia, MG, Brasil)

BC014 - STRUCTURAL ORGANIZATION OF *PLASMODIUM CHABAUDI* INFECTED ERYTHROCYTE: A THREE-DIMENSIONAL VISUALIZATION USING DIFFERENT MICROSCOPY APPROACHES
Lia Soares Medeiros (Instituto De Biofísica Carlos Chagas Filho, UFRJ, Rio de Janeiro, RJ, Brasil)

BC015 - ROLE OF LIPID BODIES FROM *LEISHMANIA CHAGASI* IN THE PROSTAGLANDIN PRODUCTION
Théo Araújo (Limi-Fiocruz-BA; UFBA; Department Of Microbiology Of The University Of Iowa, BA, Brasil)

BC017 - HAS LEISHMANIA TURNED THE BLIND EYE TO DNA DAMAGE?
Jeziel Dener Damasceno (FMRP/USP, Ribeirão Preto, SP, Brasil)

BM017 - PRELIMINARY CHARACTERIZATION OF THE *TRITOMA BRASILIENSIS* ANTERIOR MIDGUT TRANSCRIPTOME BY PARTIAL CDNA SEQUENCING
Michele Araújo Pereira (Universidade Federal De Minas Gerais, Belo Horizonte, MG, Brasil)

BM020 - RNA-BINDING PROTEINS INTERACTOME IN *TRYPANOSOMA CRUZI*
Henrique Preti (Fundação Oswaldo Cruz, Curitiba, PR, Brasil)

09h00 - 11h00 - Expo Center IV - ROOM B - OP06 - ORAL PRESENTATIONS Molecular Biology

Chair: Beatriz Simonsen Stolf and Marcia A. S. Graminha

BM009 - STRUCTURE AND ORGANIZATION OF TELOMERIC AND SUBTELOMERIC REGIONS FROM *TRYPANOSOMA CRUZI*
Marjorie Mendes Marini (UNIFESP/EPM, São Paulo, SP, Brasil)

BM010 - SEARCHING REGULONS IN LEISHMANIA USING CONSERVED INTERCODING SEQUENCES AS BAIT
Elton Jose Rosas Vasconcelos (Faculdade de Medicina de Ribeirão Preto - USP, Ribeirão Preto, SP, Brasil)

BM011 - THE ROLE OF LEISHMANIA BRAZILIENSIS STRAIN POLYMORPHISM ON DISEASE OUTCOME AND DISTRIBUTION
Adriano Queiroz Silva (UFBA, Salvador, BA, Brasil)

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Bm012 - ADAPTIVE PATTERNS IN EXTRA AND INTRACELLULAR LIFESTYLE OF PROTOZOAN PARASITES REGARDING THE REPETITIVE CONTENT OF THEIR PROTEOMES

Tiago Antônio De Oliveira Mendes (UFMG, Belo Horizonte, MG, Brasil)

BM013 - SEX OR NOT: THAT'S THE QUESTION FOR *TRYPANOSOMA CRUZI*

Rodrigo De Paula Baptista (UFMG, Belo Horizonte, MG, Brasil)

BM015 - GLOBAL TRANSCRIPTOME ANALYSIS OF HOST-PARASITE INTERACTION BY RNA-SEQ IN A MURINE CARDIOMYOCYTE-*TRYPANOSOMA CRUZI* MODEL

Christian Macagnan Probst (Fiocruz, Instituto Carlos Chagas, Curitiba, Paraná, Brasil, Curitiba, PR, Brasil)

BM016 - THE EXPRESSION OF ECTO-NTPDASE I IN DISTINCT STRAINS OF *TRYPANOSOMA CRUZI*

Natália Lins Da Silva Gomes (Fiocruz, Rio de Janeiro, RJ, Brasil)

BM018 - CATHEPSIN B-LIKE OF *EIMERIA* SPP.

Laureana Benassi Fontolan Stelmastchuk (ICB - USP, São Paulo, SP, Brasil)

BM022 - YEAST MUTANTS COMPLEMENTED WITH *TRYPANOSOMA CRUZI* GENES ENCODING ENZYMES OF THE GPI BIOSYNTHETIC PATHWAY AS NEW TOOLS FOR DRUG DEVELOPMENT

Mariana Santos Cardoso (UFMG, Belo Horizonte, MG, Brasil)

09h00 - 11h00 - Expo Center IV - ROOM C - OP07 - ORAL PRESENTATIONS

Immunology and Vector

Chair: Nagila Francinete Costa Secundino and Camila Indiani de Oliveira

IM010 - *LEISHMANIA MAJOR* INHIBITOR OF SERINE PEPTIDASES, ISP2, PREVENTS THE ACTIVATION OF MAMMALIAN PKR, PROMOTING PARASITE SURVIVAL IN MACROPHAGES
Marília Da Silva Faria (UFRJ, Rio de Janeiro, RJ, Brasil)

IM012 - IFN-GAMMA PLAYS A PIVOTAL ROLE IN CONTROLLING INFECTION BY LOW VIRULENT *TRYPANOSOMA CRUZI* STRAIN

Adele Aud Rodrigues (UFU, Uberlândia, MG, Brasil)

IM013 - REGULATORY EFFECTS OF ARYL HYDROCARBON RECEPTOR (AHR) ON CYTOKINE PROFILES AND DEVELOPMENT OF PATHOLOGY DURING *TRYPANOSOMA CRUZI* INFECTION

Andreia Barroso (Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brasil)

IM014 - *LEISHMANIA (VIANNIA) SHAWI* MODULATES CYTOKINE PRODUCTION OF DENDRITIC CELLS

Luiz Felipe D. Passero (Faculdade de Medicina da USP, São Paulo, SP, Brasil)

IM015 - SOCS2 MODULATES IMMUNE RESPONSE AND CARDIAC FUNCTION DURING EXPERIMENTAL *TRYPANOSOMA CRUZI* INFECTION

Lisia Esper (Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brasil)

IM017 - 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, Rio de Janeiro, RJ, Brasil)

VE001 - THE LOCOMOTOR ACTIVITY OF *RHODNIUS PROLIXUS* IS DIFFERENTLY AFFECTED BY INFECTION OF *TRYPANOSOMA CRUZI* OR *TRYPANOSOMA RANGELI*
Newmar Pinto Marliere (Centro de Pesquisas René Rachou, Fiocruz, Belo Horizonte, MG, Brasil)

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Ve002 - NATURAL TRANSMISSION MODEL AND DOSE QUANTIFICATION OF *LEISHMANIA CHAGASI* (SYN *LEISHMANIA INFANTUM*) TRANSMITTED BY THE BITE OF THE LUTZOMYIA LONGIPALPIS, VECTOR OF AMERICAN VISCERAL LEISHMANIASIS
Nagila Francinete Costa Secundino (FIOCRUZ-MG – Brasil)

09h00 - 11h00 - Expo Center IV - ROOM D - OP08 - ORAL PRESENTATIONS

Chemotherapy

Chair: Fernando de Macedo Dossin and Eduardo Caio Torres-santos

QT001 - IN VIVO SUSCEPTIBILITY TO BENZNIDAZOLE OF *TRYPANOSOMA CRUZI* ISOLATES FROM THE STATES OF AMAZONAS AND PARANÁ, BRAZIL
Greicy Brisa Malaquias Dias (UEM, Maringá, PR, Brasil)

QT002 - OVEREXPRESSION OF THE ABC TRANSPORTER GENE (TCABCG) PROMOTES AN INCREASED RESISTANCE TO BENZNIDAZOLE IN *TRYPANOSOMA CRUZI*
Rafael Gomes Aquino De Araújo (Universidade de São Paulo, São Paulo, SP, Brasil)

QT003 - INH1 INDUCES AUTOPHAGIC CELL DEATH OF *LEISHMANIA AMAZONENSIS* IN INFECTED MACROPHAGES
Antonio Luis De Oliveira Almeida Petersen (CPQGM/Fiocruz, Salvador, BA, Brasil)

QT004 - EVALUATION OF MECHANISM OF ACTION, IN VITRO AND IN VIVO ACTIVITIES OF PMIC4, A NEW ANTILEISHMANIAL HYDROXYETHYLPIPERAZINE
Mariela Ferreira De Vasconcelos (Instituto Oswaldo Cruz, Rio De Janeiro, RJ, Brasil)

QT005 - NANOPARTICLES INCREASE THE TOPICAL ANTI-LEISHMANIAL ACTIVITY AND INNATE MECHANISMS INDUCTION OF CHALCONE Ch8
Cíntia Iana Monteiro Da Silva (UFRJ, Rio de Janeiro, RJ, Brasil)

QT006 - SYNERGISTIC ACTIVITY OF CARBOLINE N-BUTYL-1-(4- DIMETHYLAMINO) PHENYL-1,2,3,4-TETRAHYDRO--CARBOLINE-3-CARBOXAMIDE) ASSOCIATED WITH REFERENCE DRUGS OVER *TRYPANOSOMA CRUZI*
Rodrigo Hinojosa Valdez (Universidade Estadual de Londrina, Londrina, PR, Brasil)

QT007 - ACTIVITY OF 3-ARILIDENEINDOLIN-2-ONAS (TFMDI), A SIRTUINS INHIBITOR AGAINST *TRYPANOSOMA CRUZI*
Phercyles Veiga-Santos (UFRJ, Rio de Janeiro, RJ, Brasil)

QT008 - IN VIVO IMAGING MODELS OF AFRICAN TRYPANOSOMIASIS TO SUPPORT DRUG DISCOVERY PROGRAMS
Elmarie Myburgh (Wellcome Trust Centre For Molecular Parasitology, Glasgow, Reino Unido)

11h00 - 11h25 - Foyer - COFFEE BREAK

11h30 - 12h00 - Expo Center IV - Room A - MC. 05 - MINI-CONFERENCE

KINASES INVOLVED IN STRESS RESPONSES OF TRYPANOSOMES
Sergio Schenkman (Universidade Federal de São Paulo, Disciplina de Biologia Celular, São Paulo, SP, Brasil)

Chair: Samuel Goldenberg (ICC – FIOCRUZ - PR, Curitiba, PR, Brasil)

11h30 - 12h00 - Expo Center IV - Room B - MC. 06 - MINI-CONFERENCE

FREE RADICALS AND RESISTANCE TO INTRACELLULAR PARASITES
Leda Quercia Vieira (UFMG, Instituto de Ciências Biológicas, Belo Horizonte, MG, Brasil)

Chair: Renato Arruda Mortara (Universidade Federal de São Paulo, São Paulo, SP, Brasil)

Meeting Program (Programa Científico)

September 21st, 2011

12h00 - 12h30 - Expo Center IV - Room A - MC. 007 - MINI-CONFERENCE

AUTOPHAGY IN TRYPANOSOMATIDS

Jeremy C. Mottram (Institute of Infection, Immunity and Inflammation College of Medical, Veterinary and Life Sciences, University of Glasgow, Glasgow, United Kingdom)

Chair: Samuel Goldenberg (Instituto Carlos Chagas ICC – FIOCRUZ - PR, Curitiba, PR, Brasil)

12h00 - 12h30 - Expo Center IV - Room B - MC. 008 - MINI-CONFERENCE

THE NATIONAL SURVEY OF SEROPREVALENCE FOR EVALUATION OF THE CONTROL OF CHAGAS DISEASE IN BRAZIL (2001-2008)

Alejandro Luquetti (Universidade Federal de Goiás, Goiânia, GO, Brasil)

Chair: Renato Arruda Mortara (Universidade Federal de São Paulo, São Paulo, SP, Brasil)

14h30 - 16h00 - Expo Center IV - Room A - RT. 005 - ROUND TABLE

BIOLOGY OF HOST CELL-PARASITE INTERACTIONS

Chair: Ana Paula Cabral de Araujo Lima (UFRJ, Instituto de Biofísica Carlos Chagas Filho, Rio de Janeiro, RJ, Brasil)

RT 005-A - HOST SERINE PEPTIDASES AND TOLL-LIKE RECEPTOR 4 IN THE INTERACTION OF *LEISHMANIA MAJOR* WITH PHAGOCYTES

Ana Paula Cabral de Araujo Lima (UFRJ, Instituto de Biofísica Carlos Chagas Filho, Rio de Janeiro, RJ, Brasil)

RT 005-B - GALECTIN-3 NEGATIVELY REGULATES EXPANSION AND FUNCTION OF CD4+CD25+Foxp3+ REGULATORY T CELLS IN A MURINE MODEL OF *LEISHMANIA MAJOR* INFECTION

Marise Lopes Fermino (Faculdade de Medicina de Ribeirão Preto, USP, Ribeirão Preto, SP, Brasil)

RT 005-C - NEUTROPHILS EFFEROCYTOSIS INDUCES A M2B PHENOTYPE IN MACROPHAGES

Alessandra D'Almeida Filardy (Laboratório de Biologia Imunitária, UFRJ, Rio de Janeiro, RJ, Brasil)

14h30 - 16h00 - Expo Center IV - Room B - RT.006 - ROUND TABLE

ASPECTS OF THE DISTRIBUTION OF TRYPANOSOMATIDS IN BRAZIL AND THE WORLD: AN UPDATE

Chair: Gerhard Wunderlich (USP, Instituto de Ciências Biomédicas, São Paulo, SP, Brasil)

RT 006-A - LEISHMANIASIS: THE WHO PERSPECTIVE

Jeffrey Shaw, ICB-USP

RT 006-B - CHAGAS DISEASE IN THE AMAZON REGION – RISKS AND PERSPECTIVES

Jose Rodrigues Coura (Fundação Oswaldo Cruz, Instituto Oswaldo Cruz, Laboratório de Doenças Parasitárias, Rio de Janeiro, RJ, Brasil)

RT 006-C - ECOLOGICAL GENETICS OF PHLEBOTOMINES: VECTOR INCRIMINATION AND LEISHMANIASIS CONTROL

Paul Ready (Natural History Museum, London, United Kingdom)

Meeting Program (Programa Científico)

September 21st, 2011

14h30 - 16h00 - Expo Center IV - Room C - RT.007 - ROUND TABLE
GENOMICS AND THE CONTROL OF GENE EXPRESSION IN *TRYPANOSOMA CRUZI*
Chair: Santuza Maria Ribeiro Teixeira (UFMG, Belo Horizonte, MG, Brasil)

RT 007-A - HEAT SHOCK PROTEIN GENE EXPRESSION AND REGULATION IN
TRYPANOSOMA CRUZI
Turan Peter Urmenyi (UFRJ, Instituto de Biofísica Carlos Chagas Filho, Rio de Janeiro, RJ, Brasil)

RT 007-B - *TRYPANOSOMA CRUZI* GENOMICS: FOCUS ON GPI BIOSYNTHESIS AND
STAGE SPECIFIC GENE EXPRESSION
Patricia Rosa Araujo (Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brasil)

RT 007-C - *TRYPANOSOMA CRUZI* REGULOME: A GROWING DATABASE AND
FRAMEWORK FOR GENE EXPRESSION REGULATION DATA MINING.
Christian Macagnan Probst (FIOCRUZ, Instituto Carlos Chagas, Curitiba, PR, Brasil)

16h30 - 17h10 - Expo Center IV - Room A - CO. 003 – CONFERENCE
**SELENOCYSTEINE SYNTHESIS IN PROTOZOA: A PECULIAR METABOLISM AND ITS
IMPLICATIONS**
Otavio Henrique Thiemann (USP, Instituto de Física de São Carlos, São Carlos, SP, Brasil)
Chair: Angela Kaysel Cruz (FMRP, USP, São Paulo, SP, Brasil)

17h10 - 17h50 - Expo Center IV - Room A - CO. 004 – CONFERENCE
REGULATION OF GENE EXPRESSION IN AFRICAN TRYPANOSOMES
Gloria Rudenko (Division of Cell and Molecular Biology, Imperial College-South Kensington,
London, United Kingdom)
Chair: Angela Kaysel Cruz (FMRP, USP, São Paulo, SP, Brasil)

20h30 – 21h30 - Expo Center IV - Room A - CC - CLOSURE CONFERENCE
THE PARASITE-VECTOR-VERTEBRATE INTERFACE IN LEISHMANIASIS
Aldina Maria Prado Barral (Fundação Oswaldo Cruz, Salvador, BA, Brasil)
Chair: Cláudia Ida Brodskyn (CPqGM/FIOCRUZ, Salvador, BA, Brasil)

21h30 - 22h30 - Expo Center IV - Room A - ZB - ZIGMAN BRENER AWARDS
Closure remarks and Announcement of the Zigman Brener Awards Best Posters