

TRABALHOS GANHADORES DO PRÊMIO WALTER COLLI 2009

BIOLOGIA CELULAR

BC01- Redescription of *Tintinnopsis parvula* Jörgensen, 1912 (Ciliophora, Spirotrichea, Tintinnina), including its peculiar lorica ultrastructure

Sabine Agatha

BC02- Caudal cirri are present in *Pleurotricha lanceolata* (Ehrenberg, 1835) Stein, 1859 (Ciliophora, Spirotrichea)

WILLIAM A. BOURLAND

BC03- Effect of iron on *Trichomonas vaginalis* hydrogenosomes: proteomic and transcriptomic studies

Neritza Campo Beltrán

BC04- *Paramecium tetraurelia* as a model for Ca²⁺ signaling and signal downregulation in protozoa

Helmut Plattner

BC05- Infection process of symbiotic algae to the algae-free *Paramecium bursaria*

Yuki Kodama

BC06- *Tritrichomonas foetus*: budding from multinucleated pseudocysts

Antonio Pereira das Neves Neto

BC07- Exploitation of membrane microdomains by *Toxoplasma gondii*

KARLA CRISTINE DIAS CRUZ

BC08- Golgi complex participates in the cyst wall assembly in *Acanthamoeba* spp.

Jarmila Kliescikova

BC09- Amoeboid Motility (AM) and Flagellar Motility (FM): Dialing into cellular motility using comparative genomics

Lillian Fritz-Laylin

BC10- Interaction of *Leishmania amazonensis*-macrophage: effects of different inhibitors on the adhesion and internalization process

Amanda Santos Franco da Silva

BC11- *Leishmania major*, but not *Leishmania amazonensis*, induces reactive oxygen intermediates production by *cba/j* mice macrophages

Taís Fontoura de Almeida

BC12- Chromatin changes caused by overexpression of anti-silencing function 1 (Asf 1) in *Trypanosoma brucei*

Bruno dos Santos Pascoalino

BC13- Macropinocytosis: *Trypanosoma cruzi* new entry pathway into peritoneal macrophages?

Lissa Catherine Reignault de Souza

BC14- The Colombian strain of *Trypanosoma cruzi* activates cardiovascular cells, rendering them susceptible to invasion via triggering of the inducible (B1) subtype of kinin receptors

Daniele dos Santos Andrade

BC15- Flagellar surface structure of Protozoa by Atomic Force Microscopy

Gustavo Miranda Rocha

BC16- Transcriptomic alterations in *Trypanosoma cruzi*-infected cardiac myocytes

Fabio da Silva de Azevedo Fortes

BC17- Trypanosoma cruzi induce blood cells to release microvesicles that inhibit complement lysis and promote cell invasion
Igor dos Santos Cestari

BC18- Effects of acriflavine on trypanosomatids: Ultrastructural, biochemical and molecular approaches
Thiago Manchester de Mello

BC19- Exploring signaling events surrounding extracellular amastigote invasion processes of Trypanosoma cruzi
Diana Bahia

BC20- Neglected though enabling an endless life: the resting cysts of protists
Wilhelm Foissner

BC21- Cryptosporidia: Epicellular parasites embraced by the host cell membrane
Andrea Valigurova

BC22- The actin cytoskeleton of Giardia intestinalis
Alexander R Paredez

BC23- The sumo-conjugating system in Giardia lamblia
Cecilia Verónica Vranych

BC24- The unique mitochondrion related organelle of Blastocystis
Anastasis Tsaousis

BC25- Membrane domains and boundaries at the host-parasite interface: influences of the cytoskeleton on the flagellar pocket of African trypanosomes
Catarina Gadelha

BIOLOGIA MOLECULAR

BM001- The eIF4F complex in trypanosomatids: mapping interactions through pull-down and immunoprecipitation assays
CHRISTIAN ROBSON DE SOUZA REIS

BM002- Transcription and expression profile of a TGF-beta from Lutzomyia longipalpis, in immature developmental stages, through adult blood digestion, and Leishmania infection
Rodrigo de Macedo Couto

BM003- The Leishmania major Sc-Sir2 homologues and their possible role in gene silencing
Nilmar Silvio Moretti

BM004- Ribosomal protein L19 of Leishmania spp: characterization of its pattern of expression during the life cycle and investigation of an extra-ribosomal function
Janayna Hammes de Almeida Bizzo

BM005- Pre-rRNA trans-splicing: new targets for old mechanisms
Mario Gustavo Mayer

BM006- An atypical Peptidil-prolyl cis/trans isomerase is required for Trypanosoma brucei cell proliferation
Esterban D. Erben

BM007- Characterization and utilization for phylogeographical analysis of spliced leader genes from Trypanosoma (megatrypanum) theileri
Adriana Carlos Rodrigues

BM008- Heterologous expression of Trypanosoma cruzi gp82 in the life-cycle of Trypanosoma rangeli
Edmundo Carlos Grisard

BM009- Partial genomic analyses of Trypanosoma rangeli by gss (genomic sequence survey)

Glauber Wagner

BM010- Molecular markers for phylogenetic analysis, diagnosis and genotyping of bat trypanosomes based on Cathepsin L-like and ribosomal genes, and comparison with morphological and biological parameters

Luciana Lima

BM011- Regulatory elements in hsp70 mrna modulate stability and translation during heat shock in Trypanosoma cruzi

Deivid de Carvalho Rodrigues

BM012- Investigating the role of Trypanosoma cruzi amastins in host-parasite protein interactions within the cytoplasm of infected cells

Ramon Mendes de Almeida

BM013- Trypanosoma cruzi produces a novel population of tRNA-derived small RNAs which are recruited in specific cytoplasmic granules

Maria Rosa Garcia Silva

BM014- Trypanosoma cruzi BDF2, a protein that senses histone acetylation and could participate in chromatin dynamics

Gabriela Vanina Villanova

BM015- Functional Characterization of a Novel Arginine Transporter from Trypanosoma cruzi

Cristina Henriques

BM016- Genetic variability of surface glycoprotein GP85 gene family of Trypanosoma cruzi: the involvement of telomeric regions and rearrangements after DNA double strand breaks

Roberto Rudge de Moraes Barros

BM017- Characterization of Crithidia deanei endosymbiont porin: the prokariotic origin of bacterial outer membrane

Iamara da Silva Andrade

BM018- Gregarines (Apicomplexa) parasitic in marine invertebrates from the West Coast of British Columbia, Canada

Sonja Rueckert

BM019- Phylogeny of the 'forgotten slime mold' Fonticula alba, reveals a key evolutionary position within Opisthokonta.

Matthew W. Brown

BM020- Genomic aspects of initial speciation in Paramecium (Ciliophora)

Alexey Potekhin

BM021- Description of a new species of Trichodinid (Ciliophora: peritrichida) based on morphological and molecular data

Yuanjun Zhao

BM022- Characterization of mitochondrion-like organelle in Mastigamoeba balamuthi

Eva Nyvltova

BIOQUÍMICA

BQ01- Identification and functional characterization of a multi-substrate specific UDP-Sugar pyrophosphorylase from Leishmania major

Sebastian Damerow

BQ02- Elongation of very long chain fatty acids in L.major and T.cruzi

Verónica Inés Livore

BQ03- Structural analysis of Trichomonas vaginalis lipophosphoglycan

Christopher M. Ryan

BQ04- Production of the plant hormone indole-3-acetic acid (IAA) by *Phytomonas serpens*

Susan lenne da Silva

BQ05- Mitochondrial Bioenergetics in *Trypanosoma cruzi* Overexpressing the Cytosolic and Mitochondrial Tryparedoxin Peroxidase BQ

Eduardo de Figueiredo Peloso

BQ06- Immunocytochemical localization and expression of matrix metallopeptidase-9 homologues in *Trypanosoma cruzi*-infected mouse embryo cardiomyocytes

Ana Cristina Nogueira de Melo

BQ07- Studies of enzymes involved in heme A biosynthesis in *Trypanosoma cruzi*

Julia Alejandra Cricco

BQ08- Characterization of post-translation modification of eIF5A in *Trypanosoma cruzi*

Janete Chung

ECOLOGIA- ECOLOGY

EC01- Phylogenetic relationships and a revised classification of the classes Nassophorea and Phyllopharyngea (Phylum ciliophora)

Jun Gong

EC02- Photoprotective strategies in freshwater ciliates

Dr. Bettina Sonntag

EC03- Contrasting patterns of morphological and molecular divergence in Epibiont opercularia spp. (Ciliophora, Peritrichia) from different localities in Rio Grande do Sul State, Brazil

Régis Rafael Hryçai

EC04- Measuring Influences of Aromatic Hydrocarbons in Trophic Relationships Between Benthic Free Living Protists, Sampled from Marine Sediments and Marine Bacteria, Sampled from Seaweed.

José Augusto Pires Bitencourt

EPIDEMIOLOGIA / EPIDEMIOLOGY

EP01- The spatial epidemiology of american visceral leishmaniasis: the occurrence of hot spots in the risk transmission related to a dog population in Rio de Janeiro

Alba Valéria Machado da Silva

EP02- Validating the taxonomic status of *Leishmania (viannia)* species

Renato Porrozzini de Almeida

EP03- *Trypanosoma cruzi* lineages associated with reactivation in immunosuppressed chagasic patients

Eliane Silva Lages

IMUNOLOGIA

IM01- Complement Lectin Pathway activation for trophozoites forms of *Giardia intestinalis*

Marcel Ivan Ramirez Araya

IM02- Adhesion of *Toxoplasma gondii* infected maternal cells on trophoblast in the placenta

Akihiro Unno

IM03- Salivary gland homogenates enhances plasma leakage induced by *L. chagasi* promastigotes

Nils Erik Svensjö

IM04- Generation and analysis of the immunogenicity of a recombinant protein based on the apical membrane antigen 1 (ama-1) of *Plasmodium vivax* expressed in *Pichia pastoris*

Elaine Cristina Vicentin

IM05- C57BL/6 mice with 200 days of infection with a non-lethal strain of *Plasmodium chabaudi* are capable of inhibiting homologous reinvasion, but not heterologous reinvasion by a lethal strain

Henrique Borges da Silva

IM06- Contribution of perforin in development of chronic chagasic cardiomyopathy pathogenesis

Jaline Coutinho Silverio

IM07- Involvement of CD43-mediated T cell homing in pathogenesis of experimental chagasic cardiomyopathy: elucidation of a mechanism to exploit as a therapeutic target during *Trypanosoma cruzi* infection.

Frederico Alisson Silva

IM08- ACE inhibitors harness the adjuvanticity of bradykinin in a vaccine formulation that promotes recruitment of immunoprotective CD8+ effector T cells to peripheral sites of *Trypanosoma cruzi* infection in mice

Larissa Nogueira de Almeida

IM09- Indoleamine 2,3-dioxygenase (IDO) is important for the control of *T. cruzi* amastigote growth in macrophages.

Claudia Cristina Motran

IM10- Tumor necrosis factor alpha (TNF- α) and TNF-receptor 1 (TNF-R1) are involved in thymocyte migration during *Trypanosoma cruzi* infection

ANA ROSA PEREZ

IM12- Neutrophil extracellular traps-Leishmania interaction: role of lipophosphoglycan and histones and occurrence in vivo.

Anderson Guimarães Baptista Costa

IM13- Nod1 AND Nod2 are pattern recognition receptors important to detection and restriction of *Leishmania major* infection

Eulália Maria Lima da Silva

IM14- Protection against Canine Visceral Leishmaniasis conferred by a recombinant cysteine proteinase

Paulo Henrique da Costa Pinheiro

IM15- TGF β expression in American tegumentary leishmaniasis is differently regulated by *Leishmania (L.) amazonensis* and *Leishmania (V.) braziliensis*.

Joyce Gomes Prieto Bezerra de Menezes

IM16- *Leishmania* encoded inhibitors of serine peptidases (isps) prevent toll 4-like receptor activation and promote parasite survival in macrophages

Marília da Silva Faria

QUIMIOTERAPIA

QT01- Characterization of genes encoding enzymes involved in antioxidant defense in *Trypanosoma cruzi* populations susceptible and resistant to benznidazole

Silvane Maria Fonseca Murta

QT02- The trypanocidal activity of α - and β -lapachone derivatives

Kelly Salomão Salem

QT03- The phospholipid biosynthesis pathway: A hope to Chagas disease chemotherapy

Iara Miranda de Amorim

QT04- Histopathological evaluation of heart lesions during chronic phase of Trypanosoma cruzi infection in dogs after acute etiological treatment with benznidazol

Ana Luiza Cassin Duz

QT05- Antiprotozoal activity of lignans isolated from Phyllanthus amarus

Karin Juliane Pelizzaro Rocha

QT06- Migration of Acanthamoeba into an organotypic skin model and treatment with miltefosine

Julia Walochnik

QT07- Effects of tomatidine on the energy metabolism and ultrastructure of Leishmania amazonensis

Jorge Mansur Medina

QT08- Leishmanicidal activity of Copaifera spp. essential oils

Nathalya Alexandre Portella

QT09- Hydroxymethylnitrofurazone: in vivo evaluation of its trypanocidal and leishmanocidal activity

Carolina Davies

QT10- Biological, ultrastructural effect and subcellular localization of aromatic diamidines in Trypanosoma cruzi

Denise da Gama Jaén Batista

IM11- The involvement of Neutrophils in immune response to Leishmania amazonensis

Louisa Maria de Andrade e Sousa

VETOR / VECTOR

VE01- Identification of differentially expressed genes in Anopheles aquasalis infected with Plasmodium vivax

Ana Cristina Bahia Nascimento