



TRABALHOS GANHADORES DO PRÊMIO ZIGMAN BRENNER 2006

BIOLOGIA CELULAR

BC 28 -Phosphorylation and dephosphorylation of *Trypanosoma cruzi* histone H1 through the cell cycle

Luciana Mayumi Gutiyama¹, Julia Pinheiro Chagas da Cunha¹, Sergio Schenkman¹
UNIFESP¹

BIOQUÍMICA E BIOLOGIA MOLECULAR

BM 43 -The actin family and actin-binding proteins of *Trypanosoma cruzi*: unusual subcellular localization of actin homologue and phylogenetic studies

Luiz Dione Barbosa de Melo¹, Celso Sant'Anna¹, Wanderley de Souza¹, Ulisses Gazos Lopes¹, Narcisa Leal Cunha e Silva¹
IBCCF-UFRJ¹

BM 144- Binding of leishporin to liposomes membranes: an approach to pull down the cytolysin from *L. amazonensis* extracts and new insights on the cytolysin identity and the mechanism of lysis

Castro-Gomes, T.¹, Giulianetti-Almeida, M.P.¹, Silva, R.A.¹, Andrade, H.M. ¹,
Chapeaurouge, A. ², Noronha, F.S.M. ¹; Frézard, F. ¹; Horta, M.F. ¹
UFMG¹
Fiocruz²

EPIDEMIOLOGIA

EP 10 -Microsatellite markers of *Eimeria acervulina*, *E. tenella* and *E. maxima* reveal a high genetic homogeneity across strains of different geographic sources

Alexandre Proietti Viotti ¹, Sandra Fernandez ¹, Tiago José Paschoal Sobreira ¹, Juan Solis², Arthur Gruber ¹
USP¹
Laboratório Biovet S.A.²

IMUNOLOGIA

IM 50 -The protective response against *Leishmania braziliensis* is mediated by TCD8+ cells recruitment induced by lutzomyia longipalpis saliva

Vanessa Carregaro ¹, Diego Luís Costa ¹, Cláudia Brodyskin ², Aldina M. Barral ²; Manoel Barral Netto ², Fernando de Queiroz Cunha ¹, João Santana da Silva ¹
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CPqGM-FIOCRUZ, Bahia²

QUIMIOTERAPIA

QT 41 -Impact of dual-clonal infections on treatment efficacy in balb/ mice infected with *Trypanosoma cruzi* major genotypes

Martins, H.R. ¹, Moreira Silva, R. ¹, Valadares, H.M.S. ¹, Toledo, M.J.O. ², Machado-Coelho, G.L.L. ¹, Carneiro, C.M. ¹, Bahia, M.T. ¹, Martins-Filho, O.A. ³, Macedo, A.M. ¹,
Lana, M. ¹
UFOP¹
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CPqRR-Fiocruz³

VETOR

VE 22-Primary culture of the oenocytes from the *Aedes aegypti* fat body

Gustavo Ferreira Martins ¹, Luciana Maria Silva ², Consuelo Latorre Fortes Dias ², Paulo Filemon Paolucci Pimenta ¹
CPQRR - Fiocruz/MG¹
Fundação Ezequiel Dias²

VE 31 -Acyl-coa-binding protein gene expression in the midgut of *Rhodnius prolixus* does not depend on blood feeding

David Majerowicz ¹, Michele Alves ¹, Luciano Aparecido Meireles Grillo ¹, Gabriela Oliveira Paiva-Silva ¹, Katia Calp Gondim ¹
UFRJ¹

TRABALHOS QUE RECEBERAM MENÇÃO HONROSA

BC10-Actin cytoskeleton-dependent and -independent host cell invasion by *Trypanosoma cruzi* is mediated by parasite surface molecules gp35/50 and gp82

Daniele da Soledade Franca Ferreira, Mauro Javier Cortez Véliz, Vanessa Diniz Atayde,
Nobuko Yoshida
UNIFESP

BC26-A recombinant protein based on *Trypanosoma cruzi* surface molecule GP82 induces apoptotic cell death in melanoma cells

Vanessa Diniz Atayde, Miriam Galvonas Jasiulionis, Nobuko Yoshida
UNIFESP

BC69-Interaction of *Acanthamoeba* spp. to extracellular matrix glycoproteins: binding characterization and role played on cytotoxicity and amoebic invasion.

Bruno da Rocha Azevedo ¹, Melissa Jamerson ², Guy A. Cabral ², Fernando Costa e Silva Filho ¹, Francine Marciano Cabral ²
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Virginia Commonwealth University²

BC87-Involvement of macrophage scavenger receptor marco (macrophage receptor with a collagenous structure) in *Leishmania* infection

Ivana Nunes Gomes ¹, Guilherme Oliveira Campos ¹, José Geraldo Bomfim Lima ¹, Marta Santos ¹, Marco Aurélio Krieger ¹, Luiz Shozo Ozaki ⁽²⁾, Ricardo Ribeiro dos Santos ¹, Luiz Antônio Rodrigues de Freitas ¹, Gregory Buck ⁽²⁾, Patrícia Sampaio Tavares Veras ¹
Fiocruz¹

Virginia Commonwealth University–VA/USA²

BM9-Functional genomic analysis of *Trypanosoma cruzi*: submitted to different stress types

Viviane Monteiro Góes ¹, Vanessa Santos Sotomaior ¹, Iriane Eger ², Christian Macagnan Probst ¹, Patricio A. Manque ³, Gregore A. Buck ³, Samuel Goldenberg ^{1 e (4)}, Marco Aurelio Krieger ^{1 e (4)}
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Virginia Commonwealth University³

Instituto Oswaldo Cruz-Fiocruz (4)

BM51-Is histone h4 acetylation variable in *Trypanosoma cruzi* forms and cell cycle stages?

Julia Pinheiro Chagas da Cunha ¹, Ernesto Satoshi Nakayasu ², Igor Correa de Almeida ², Sergio Schenkman¹
UNIFESP¹

University of Texas at El Paso²

BM139-*Plasmodium vivax*: expression of merozoite proteins on the surface of cos-7 cells to develop an assay for erythrocyte-binding activity.

Mayara de Brito Barbedo ¹, Daniela Santoro Rosa ², Kezia Scopell ³, Érica Martins Braga ³,
Maurício Martins Rodrigues ², Irene da Silva Soares¹
USP¹
UNIFESP²
UFMG³

BM156-homologues of leishmanolysin expressed by *Crithidia deanei* persuade the interaction with mammalian fibroblasts: influence of the endosymbiont
Filipe Pereira Matteoli, Gleyce Barbosa, Livia Oliveira Santos, Claudia Masini, d'Avila-Levy, Carla Holandino, Marta Helena, André Luís Souza
UFRJ

BM168-in silico identification and characterization of candidates to tripanosomatides translation initiation factors
Rodolfo Katz, Osvaldo Pompílio de Melo Neto
Centro de Pesquisas Aggeu Magalhães, Fiocruz, PE

EP 7-Evidence for a south american-amazonian variant gene repertoire in *Plasmodium falciparum*
Letusa Albrecht, Ricardo Godoy de Mattos Ferreira, Catarina Castineiras, Wolfgang Fischer, Gerhard Wunderlich
USP

EP 8-Analysis of single-nucleotide polymorphisms in the CRT-O and *MDR1* genes of *Plasmodium vivax* among chloroquine resistant isolates from the brazilian amazon region.
Pamela Orjuela Sánchez (Dep. Parasitologia, ICB, USP), Franklin Simões de Santana Filho ², Yonne Chechuan ², Monica Costa Manso ², Marcio M. Yamamoto ¹, Fernanda C. Koyama ¹, Graça Alecrim ², Hernando A. del Portillo¹
Dpto. Parasitologia, ICB, USP¹
Fundação de Medicina Tropical do Estado do Amazonas²

EP 9-Coccimorph: a real-time diagnostic tool based on automatic image recognition of protozoan parasites of the genus *Eimeria*
César Armando Beltran Castañon, Sandra Fernandez (Laboratório Biovet S.A.), Jane Silveira Fraga, Luciano da Fontoura Costa, Arthur Gruber
USP

IM 46-Control of lesions in TNFRp55 ^{-/-} mice infected with *Leishmania major* may be partially achieved with stem cells or thalidomide.
Virgínia Aparecida Seixas Rego ¹, Juan Pereira de Macedo ¹, Luis Carlos Crocco Afonso², Leda Quercia Vieira¹
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UFOP²

IM 54-IFN- γ -dependent and nos2-independent mechanisms of resistance to *Leishmania amazonensis*
Juan Pereira de Macêdo, Virgínia Aparecida Seixas Rego, Lucas Augusto Roque Santos, Leda Quercia Vieira

UFMG

IM76-Secretion of cxc chemokines by macrophages links tlr2-dependent sensing of *Trypanosoma cruzi* to mechanisms that steer innate immunity via bradykinin receptors.

Veronica Schmitz Pereira ¹, Daniele dos Santos Andrade ¹, Igor Correia de Almeida ²,
Bruno Lourenço Diaz ¹, Julio Scharfstein ¹

Biofísica¹
University of Texas²

QT 3-The antiestrogen tamoxifen induces alkalization of parasitophorous vacuoles harbouring *Leishmania amazonensis* - implications for parasite survival

Danilo Ciccone Miguel ¹, Jenicer Kazumi Umada Yokoyama-Yasunaka ¹, Walter Kindro Andreoli ², Renato Arruda Mortara ², Silvia Reni Bortolin Uliana ¹

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QT 22-Searching for the oxygen role in experimental cerebral malaria

Yara Carollo Blanco, Stefanie Costa Pinto Lopes, Wagner Welber Arrais Silva, André Schwambac Vieira, Bruna Oliveira e Carvalho, Franchesco Langone, Selma Giorgio, Fabio Trindade Maranhão Costa

UNICAMP

QT 23-Validation of a *Plasmodium falciparum* parasite transformed with green fluorescent protein (GFP) for antimalarial drug screening

Bruno Antonio Marinho Sanchez, Fernando de Pilla Varotti , Flávia Guimarães Rodrigues , Luzia Helena Carvalho

CPQRR/FIOCRUZ

QT 28-Antimalarial activity of mefloquine and artesunic acid against *Plasmodium falciparum* chloroquine-resistant increased by combination with ciprofloxacin.

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