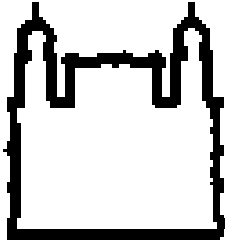


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**Artigos científicos publicados pelo Programa de Pós-graduação *Stricto sensu*
em Biologia Computacional e Sistemas do Instituto Oswaldo Cruz (IOC/Fiocruz)
em 2012**

1. Mazzone, Camila J. ; Peixoto, Alexandre A. ; Souza, Nataly A. ; Bretãs, Jorge A. C. ; WAGNER, Glauber . The Transcriptome of *Lutzomyia longipalpis* (Diptera: Psychodidae) Male Reproductive Organs. *Plos One* ,v. 7, p. e34495, 2012.
2. da Fonseca, E. L. ; **Vicente, A. C. P.** . Functional Characterization of a Cassette-Specific Promoter in the Class 1 Integron-Associated *qnrVC1* Gene. *Antimicrobial Agents and Chemotherapy* (Print), v. 56, p. 3392-3394, 2012.
3. Morais, L. L. C. d. S. ; Garza, D. R. ; Loureiro, E. C. B. ; Nunes, K. N. B. ; Vellasco, R. S. ; da Silva, C. P. ; Nunes, M. R. T. ; Thompson, C. C. ; **Vicente, A. C. P.** ; Santos, E. C. d. O. . Complete Genome Sequence of a Sucrose-Nonfermenting Epidemic Strain of *Vibrio cholerae* O1 from Brazil. *Journal of Bacteriology* (Print), v. 194, p. 2772-2772, 2012.
4. Garza, Daniel Rios ; Thompson, Cristiane C. ; Loureiro, Edvaldo Carlos Brito ; Dutilh, Bas E. ; Inada, Davi Toshio ; Junior, Edivaldo Costa Sousa ; Cardoso, Jedson Ferreira ; Nunes, Márcio Roberto T. ; de Lima, Clayton Pereira Silva ; Silvestre, Rodrigo Vellasco Duarte ; Nunes, Keley Nascimento Barbosa ; Santos, Elisabeth C. O. ; Edwards, Robert A. ; **Vicente, Ana Carolina P.** ; de Sá Morais, Lena Lillian Canto ; Bereswill, Stefan . Genome-Wide Study of the Defective Sucrose Fermenter Strain of *Vibrio cholerae* from the Latin American Cholera Epidemic. *Plos One*, v. 7, p. e37283, 2012.
5. ZANELLA, L. ; OTSUKI, K. ; **Marin, M. A.** ; BENDET, I. ; **VICENTE, A. C.** . Complete Genome Sequence of Central Africa Human T-Cell Lymphotropic Virus Subtype 1b. *Journal of Virology* (Print), v. 86, p. 12451-12451, 2012.
6. SÁ, L.L.C. ; VALE, E.R.V. ; GARZA, D.R. ; **Vicente, A.C.P.** . *Vibrio cholerae* O1 from superficial water of the Tucunduba Stream, Brazilian Amazon. *Brazilian Journal of Microbiology* (Impresso), v. 43, p. 635-638, 2012.
7. TRINDADE-SILVA, A. E. ; RUA, C. P. J. ; **ANDRADE, B. G. N.** ; **Vicente, A. C. P.** ; SILVA, G. G. Z. ; BERLINCK, R. G. S. ; Thompson, F. L. . Polyketide synthase gene diversity within the endemic sponge *Arenosclera brasiliensis* microbiome. *Applied and Environmental Microbiology* (Print), v. 79, p. 1598-1605, 2012.
8. Zauli, Rogeria C. ; Yokoyama-Yasunaka, Jenicer K. U. ; Miguel, Danilo C. ; Moura, Alexandre S. ; Pereira, Ledice I. A. ; da Silva, Ildelfonso A. ; Lemes, Lucianna G. N. ; Dorta, Miriam L. ; de Oliveira, Milton A. P. ; **Pitaluga, Andre N.** ; Ishikawa, Edna A. Y. ; Rodrigues, Juliany C. F. ; Traub-Cseko, Yara M. ; Bijovsky, A. Tania ; Ribeiro-Dias, Fatima ; Uliana, Sílvia R. B. . A dysflagellar mutant of *Leishmania*



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Secretaria Acadêmica

(Viannia) braziliensis isolated from a cutaneous leishmaniasis patient. *Parasites & Vectors*, v. 5, p. 11, 2012.

9. Telleria, E. L. ; Sant'Anna, M. R. V. ; ORTIGAO-FARIAS, J. R. ; **PITALUGA, A. N.** ; Dillon, V. M. ; Bates, P. A. ; Traub-Cseko, Y. M. ; Dillon, R. J. . Caspar-like Gene Depletion Reduces Leishmania Infection in Sand Fly Host *Lutzomyia longipalpis*. *The Journal of Biological Chemistry (Print)*, v. 287, p. 12985-12993, 2012.

10. LUNARDI, MICHELE ; ALFIERI, AMAURI ALCINDO ; OTONEL, RODRIGO ALEJANDRO ARELLANO ; DE ALCÂNTARA, BRÍGIDA KUSSUMOTO ; RODRIGUES, WAGNER BORGES ; **de Miranda, Antonio Basilio** ; ALFIERI, ALICE FERNANDES . Genetic characterization of a novel bovine papillomavirus member of the Deltapapillomavirus genus. *Veterinary Microbiology (Amsterdam. Print)*, v. xx, p. xx-1135, 2012.

11. MAIA, A. M. ; MARTINS, J. H. ; MENCALHA, A. L. ; **CAFFARENA, E. R.** ; ABDELHAY, E. . Computational modeling of the bHLH domain of the transcription factor TWIST1 and R118C, S144R and K145E mutants. *BMC Bioinformatics*, v. 13, p. 184, 2012.

12. Luksch, H Romanowsky, M J Chara, Osvaldo Tungler, V **CAFFARENA, E. R.** Heymann, M. C. Peter, L. Aksentijevich, I. Remmers, E. F. Flecks, S. Quoos, N. Gramatté, J. Petzold, C. Hofmann, S. R. Winkler, S. Pessler, F Kallinich, T. Ganser, G. NIMTZ-TALASKA, A. Baumann, U. Runde, V. Grimbacher, B Birmelin, J. Gahr, M. Roesler, J. , et al.; Naturally occurring genetic variants of human caspase-1 differ considerably in structure and ability to activate interleukin-1b (IL-1b). *Human Mutation*, v. 34, p. 122-131, 2012.

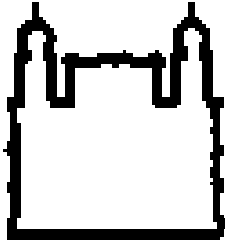
13. Pereira, Elen Gomes ; Moreira, Miguel Ângelo Martins ; **Caffarena, Ernesto Raúl** . Molecular interactions of c-ABL mutants in complex with imatinib/nilotinib: a computational study using linear interaction energy (LIE) calculations. *Journal of*

14. CARLEVARO, C. M. ; SILVA, João Herminio Martins da ; SAVINO, W. ; **CAFFARENA, E. R.** . Plausible binding Mode of the Active $\alpha 4\beta 1$ antagonist, MK-0617, determined by Docking and Free Energy Calculations. *Journal of Theoretical and Computational Chemistry*, v. 12, p. 1250108-1, 2012.

15. Trevizano, Larissa Mattos ; Ventorim, Rafaela Zandonade ; Rezende, Sebastião Tavares de ; **Junior, Floriano Paes Silva** ; Guimarães, Valéria Monteze . Thermostability improvement of *Orpinomyces* sp. xylanase by directed evolution. *Journal of Molecular Catalysis. B, Enzymatic (Print)*, v. 81, p. 12-18, 2012.

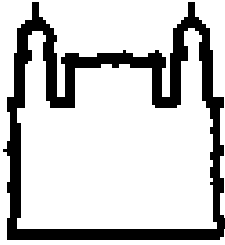
16. SENGER, M. R. ; GOMES, L. C. A. ; FERREIRA, S. B. ; Kaiser, Carlos Roland ; **FERREIRA, V. F. ; SILVA-JR, F. P.** . Kinetics Studies on the Inhibition Mechanism of Pancreatic α -Amylase by Glycoconjugated 1H-1,2,3-Triazoles: A New Class of Inhibitors with Hypoglycemic Activity. *ChemBioChem (Print)*, v. 13, p. 1584-1593, 2012.

17. BEGHINI, D. G. ; FERREIRA, A. T. S. ; ALMEIDA, V. C. ; CAMINHA, M. A. ; **SILVA-JR, F. P.** ; PERALES, J. ; MENNA-BARRETO, R. F. S. . New insights in *Trypanosoma cruzi* proteomic map: further post-translational modifications and potential drug targets in Y strain epimastigotes. *Journal of Integrated OMICS*, v. 2, p. .-, 2012.



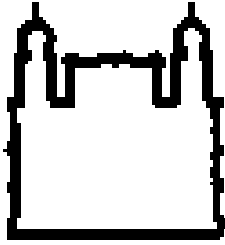
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18. PECANHA, R. ; Bagno, Luiza de Lima e Silva ; **MORAES, M. O.** ; FERREIRA, A. B. R. ; RIBEIRO, M. B. ; ZAPATA-SUDO, G. ; KASAI-BRUNSWICK, T. H. ; CARVALHO, A. C. C. ; GOLDENBERG, R. ; CASTRO, J. P. S. W. . Adipose-Derived Stem-Cell Treatment of Skeletal Muscle Injury. *Journal of Bone and Joint Surgery. American Volume (Print ed.)*, v. 94, p. 609, 2012.
19. AZEVEDO, Z.M. ; MATOS, G.I. ; LUZ, R.A. ; LIMA, F.C. ; XAVIER-ELSAS, P. ; CARDOSO, C.C. ; SAMPAIO, E.P. ; GASPAR-ELSAS, M.I. ; BOUGLEUX, R. ; **MORAES, M.O.** ; MOORE, D.B. . Tumor necrosis factor (TNF) and lymphotoxin-alpha (LTA) single nucleotide polymorphisms: Importance in ARDS in septic pediatric critically ill patients. *Human Immunology*, v. 73, p. 001-667, 2012.
20. dos Santos, Damião C. M. ; Neves, Patricia C. C. ; Azeredo, Elzinandes L. ; Pelajo-Machado, Marcelo ; Martinho, José Manoel S. G. ; Pacheco-Moreira, Lúcio F. ; Araújo, Cristina C. V. ; **Cruz, Oswaldo Gonçalves** ; Oliveira, Jaqueline Mendes ; Pinto, Marcelo Alves . Activated lymphocytes and high liver expression of IFN- are associated with fulminant hepatic failure in patients. *Liver International (Print)*, v. 32, p. 147-157, 2012.
21. GOMES, ADRIANA FAGUNDES ; NOBRE, ALINE ARAÚJO ; **Cruz, Oswaldo Gonçalves** . Temporal analysis of the relationship between dengue and meteorological variables in the city of Rio de Janeiro, Brazil, 2001-2009. *Cadernos de Saúde Pública (ENSP. Impresso)*, v. 28, p. 2189-2197, 2012.
22. TRISTÃO-SÁ, RICARDO ; KUBELKA, CLAIRE FERNANDES ; ZANDONADE, ELIANA ; ZAGNE, SÔNIA MARIA OLIVEIRA ; ROCHA, NATALLY DE SOUZA MACIEL ; ZAGNE, LUIZA OLIVEIRA ; ARAÚJO, NATHÁLIA FÉLIX ; AMIN, BEATRIZ ; FAZOLI, FLÁVIA ; SOUZA, LUIZ JOSÉ DE ; **Cruz, Oswaldo Gonçalves** ; CUNHA, RIVALDO VENÂNCIO DA ; NASCIMENTO, DELSO DO ; FROES, ÍRIS BUCHER ; NOGUEIRA, RITA MARIA RIBEIRO . Clinical and hepatic evaluation in adult dengue patients: a prospective two-month cohort study. *Revista da Sociedade Brasileira de Medicina Tropical (Impresso)*, v. 45, p. 675-681, 2012.
23. CODEÇO, CLÁUDIA TORRES ; CORDEIRO, JOSIANE DA SILVA ; LIMA, ARTHUR WEISS DA SILVA ; COLPO, RODRIGO AMARANTE ; **Cruz, Oswaldo Gonçalves** ; COELHO, FLAVIO CODEÇO ; LUZ, PAULA MENDES ; STRUCHINER, CLAUDIO JOSÉ ; BARROS, FERNANDO RIBEIRO DE . The epidemic wave of influenza A (H1N1) in Brazil, 2009. *Cadernos de Saúde Pública (ENSP. Impresso)*, v. 28, p. 1325-1336, 2012.
24. SOUZA, MIRIAN CARVALHO DE ; **Cruz, Oswaldo Gonçalves** ; VASCONCELOS, ANA GLÓRIA GODOI . Trends in lung cancer mortality in Brazil from the 1980s into the early 21st century: age-period-cohort analysis. *Cadernos de Saúde Pública (ENSP. Impresso)*, v. 28, p. 21-30, 2012.
25. VITRAL, CLAUDIA LAMARCA ; OSPINA, FIDEL LEONARDO NAVARRO ; ARTIMOS, SOLANGE ; MELGAÇO, JULIANA GIL ; **Cruz, Oswaldo Gonçalves** ; PAULA, VANESSA SALETE DE ; LUZ, SÉRGIO BESSA ; FREIRE, MARCOS ; GASPAR, LUCIANE PINTO ; AMADO, LUCIANE ALMEIDA ; ENGSTROM, ELYNE MONTENEGRO ; FORTES, CAMILA DUFRAZER FANZERES MONTEIRO ; SOUZA, TAYLA COLETA DE ; DIAS, MARISA NISHITANI ; GASPAR, ANA MARIA COIMBRA ; SOUTO, FRANCISCO JOSÉ DUTRA . Declining prevalence of hepatitis A virus antibodies among children from low socioeconomic groups reinforces the need for the implementation of hepatitis A vaccination in Brazil. *Memórias do Instituto Oswaldo Cruz (Impresso)*, v. 107, p. 652-658, 2012.



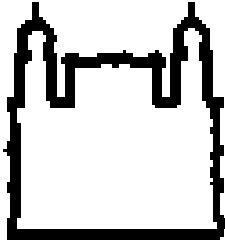
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- 26.** Ferrão, Patrícia M. ; OLIVEIRA, F. L. ; **Degrave Wim M.** ; ARAUJO-JORGE, T. ; Mendonça-Lima, Leila ; WAGHABI, Mariana C . A phosphoproteomic approach towards the understanding of the role of TGF-beta in Trypanosoma cruzi biology. Plos One, v. 7, p. e38736, 2012.
- 27.** OLIVEIRA, F. L. ; JORGE, Tania C Araújo ; SOUZA, E. M. ; OLIVEIRA, G. M. ; **Degrave Wim M.** ; FEIGE, Jean Jacques ; BAILLY, Sabine ; WAGHABI, M. C. . Oral Administration of GW788388, an Inhibitor of Transforming Growth Factor Beta Signaling, Prevents Heart Fibrosis in Chagas Disease. PLoS Neglected Tropical Diseases (Online), v. 6, p. e1696, 2012.
- 28.** Berrêdo-Pinho, Marcia ; Kalume, Dario E ; Correa, Paloma R ; Gomes, Leonardo HF ; Pereira, Melissa P ; da Silva, Renata F ; Castello-Branco, Luiz RR ; **Degrave, Wim M** ; Mendonça-Lima, Leila . Proteomic profile of culture filtrate from the Brazilian vaccine strain Mycobacterium bovis BCG Moreau compared to M. bovis BCG Pasteur. BMC Microbiology (Online), v. 11, p. 80, 2011.
- 29.** GOMES, A. F. ; **NOBRE, Aline A.** ; Cruz, Oswaldo G . Temporal Analysis of the Relationship Between Dengue and Meteorological Variables in the City of Rio de Janeiro, Brazil, 2001-2009. Cadernos de Saúde Pública (ENSP. Impresso), v. 28, p. 2189-2197, 2012.
- 30.** Vasconcelos, E.J.R. ; Terrão, M.C. ; **Ruiz, J.C.** ; Vêncio, R.Z.N. ; Cruz, A.K. . In silico identification of conserved intercoding sequences in Leishmania genomes: Unraveling putative cis-regulatory elements. Molecular and Biochemical Parasitology (Print), v. X, p. X, 2012.
- 31.** Nogueira, Fernanda Barbosa ; Rodrigues, Joyce Fernanda A ; Correa, Marcos Messias S ; **Ruiz, Jerônimo Conceição** ; Romanha, Alvaro José ; Murta, Silvane Maria Fonseca . The level of ascorbate peroxidase is enhanced in benznidazole-resistant populations of Trypanosoma cruzi and its expression is modulated by stress generated by hydrogen peroxide. Memórias do Instituto Oswaldo Cruz (Impresso), v. 107, p. 494-502, 2012.
- 32.** Santos, Paula F ; **Ruiz, Jerônimo C** ; Soares, Rodrigo PP ; Moreira, Douglas S ; Rezende, Antônio M ; **Folador, Edson L** ; Oliveira, Guilherme C ; Romanha, Alvaro J ; Murta, Silvane MF . Molecular characterization of the hexose transporter gene in benznidazole resistant and susceptible populations of Trypanosoma cruzi. Parasites & Vectors, v. 5, p. 161, 2012.
- 33.** RESENDE, DANIELA M ; Rezende, Antônio M ; OLIVEIRA, NESLEY JD ; BATISTA, IZABELLA CA ; CORRÊA-OLIVEIRA, RODRIGO ; REIS, ALEXANDRE B ; **Ruiz, Jeronimo C** . An assessment on epitope prediction methods for protozoa genomes. BMC Bioinformatics, v. 13, p. 309, 2012.
- 34.** REZENDE, A. M. ; Resende, Daniela M. ; **FOLADOR, E. L.** ; **Ruiz, J.C.** . Computational Prediction of Protein-Protein Interactions in Leishmania Predicted Proteomes. Plos One, v. 7, p. e51304, 2012.
- 35.** **DE MAGALHAES, C S** ; BARBOSA, C. H. S. ; ALMEIDA, D. M. ; DARDENNE, L. E. . Improving Differential Evolution Accuracy for Flexible Ligand Docking Using a Multi-solution Strategy. Lecture Notes in Computer Science, v. 7435, p. 688-698, 2012.
- 36.** **Tavares, Raphael** ; Renaud, Gabriel ; Oliveira, Paulo Sergio Lopes ; Ferreira, Carlos G. ; Dias-Neto, Emmanuel ; **Passetti, Fabio** . Identical sequence patterns in the ends of exons and introns of human protein-coding genes. Computational Biology and Chemistry (Print), v. 36, p. 55-61, 2012.



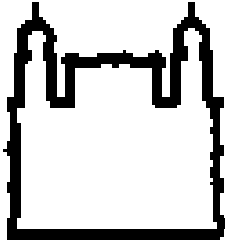
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Secretaria Acadêmica

- 37. JORGE, N. A. N.** ; Ferreira, Carlos G. ; **Passeti, F** . Bioinformatics of Cancer ncRNA in High Throughput Sequencing: Present State and Challenges. *Frontiers in Genetics*, v. 3, p. 287, 2012.
- 38.** Montella, Isabela Reis ; **Schama, Renata** ; Valle, Denise . The classification of esterases: an important gene family involved in insecticide resistance - A review. *Memórias do Instituto Oswaldo Cruz (Impresso)*, v. 107, p. 437-449, 2012.
- 39.** Aulicino, Paula C. ; Gómez-Carrillo, Manuel ; **Bello, Gonzalo** ; Rocco, Carlos ; Mangano, Andrea ; Carr, Jean ; Sen, Luisa ; Foley, Brian . Characterization of full-length HIV-1 CRF17_BF genomes and comparison to the prototype CRF12_BF strains. *Infection, Genetics and Evolution (Print)*, v. 12, p. 443-447, 2012.
- 40. Bello, Gonzalo** ; Zanotto, Paolo M. de A. ; Iamarino, Atila ; Gräf, Tiago ; Pinto, Aguinaldo R. ; Couto-Fernandez, José C. ; Morgado, Mariza G. . Phylogeographic Analysis of HIV-1 Subtype C Dissemination in Southern Brazil. *Plos One*, v. 7, p. e35649, 2012.
- 41. Bello, Gonzalo** ; Afonso, Joana Morais ; Morgado, Mariza G. . Phylodynamics of HIV-1 subtype F1 in Angola, Brazil and Romania. *Infection, Genetics and Evolution (Print)*, v. 12, p. 1079-1086, 2012.
- 42.** Delatorre, Edson Oliveira ; **Bello, Gonzalo** ; Eyer-Silva, Walter A. ; Chequer-Fernandez, Saada L. ; Morgado, Mariza G. ; Couto-Fernandez, José Carlos . Evidence of Multiple Introductions and Autochthonous Transmission of the HIV Type 1 CRF02_AG Clade in Brazil. *AIDS Research and Human Retroviruses*, v. 28, p. 1369-1372, 2012.
- 43.** Afonso, Joana Morais ; Morgado, Mariza G. ; **Bello, Gonzalo** . Evidence of multiple introductions of HIV-1 subtype C in Angola. *Infection, Genetics and Evolution (Print)*, v. 12, p. 1458-1465, 2012.
- 44.** Rangel, Héctor R. ; Maes, Mailis ; Villalba, Julian ; Sulbarán, Yoneira ; de Waard, Jacobus H. ; **Bello, Gonzalo** ; Pujol, Flor H. . Evidence of at Least Two Introductions of HIV-1 in the Amerindian Warao Population from Venezuela. *Plos One*, v. 7, p. e40626, 2012.
- 45.** Afonso, Joana Morais ; **Bello, Gonzalo** ; Guimarães, Monick L. ; Sojka, Marta ; Morgado, Mariza G. ; Menéndez-Arias, Luis . HIV-1 Genetic Diversity and Transmitted Drug Resistance Mutations among Patients from the North, Central and South Regions of Angola. *Plos One*, v. 7, p. e42996, 2012.
- 46.** Araújo, Josélio Maria Galvão de ; **Bello, Gonzalo** ; Romero, Hector ; Nogueira, Rita Maria Ribeiro ; Powers, Ann M. . Origin and Evolution of Dengue Virus Type 3 in Brazil. *PLoS Neglected Tropical Diseases (Online)*, v. 6, p. e1784, 2012.
- 47.** ALMEIDA, SABRINA E ; DE MEDEIROS, RUBIA M ; JUNQUEIRA, DENNIS M ; Gräf, Tiago ; PASSAES, CAROLINE P ; **Bello, Gonzalo** ; Morgado, Mariza G ; L.GUIMARÃES, MONICK . Temporal dynamics of HIV-1 circulating subtypes in distinct exposure categories in southern brazil. *Virology Journal*, v. 9, p. 306, 2012.
- 48.** Delatorre, Edson Oliveira ; **Bello, Gonzalo** . Phylodynamics of HIV-1 Subtype C Epidemic in East Africa. *Plos One*, v. 7, p. e41904, 2012.



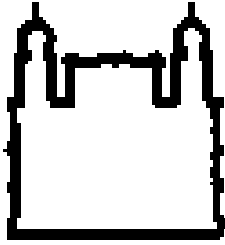
Ministério da Saúde
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Secretaria Acadêmica

49. Pita, Samuel Silva Da Rocha ; **Batista, Paulo Ricardo** ; Albuquerque, Magaly Girão ; Pascutti, Pedro Geraldo . Molecular dynamics simulations of peptide inhibitors complexed with Trypanosoma cruzi trypanothione reductase. Chemical Biology & Drug Design (Print), p. no-no, 2012.
50. Mafra, Valéria ; Kubo, Karen S. ; Alves-Ferreira, Marcio ; **Ribeiro-Alves, Marcelo** ; Stuart, Rodrigo M. ; Boava, Leonardo P. ; Rodrigues, Carolina M. ; Machado, Marcos A. . Reference Genes for Accurate Transcript Normalization in Citrus Genotypes under Different Experimental Conditions. Plos One, v. 7, p. e31263, 2012.
51. Ribeiro, C. W. ; Margis-Pinheiro, M. ; Rosa, S. B. ; Margis, R. ; Alves-Ferreira, M. ; **Ribeiro-Alves, M.** ; Andrade, C. M. B. ; Carvalho, F. E. L. ; Silveira, J. A. G. . Modulation of genes related to specific metabolic pathways in response to cytosolic ascorbate peroxidase knockdown in rice plants. Plant Biology (Stuttgart), v. 2, p. no-no, 2012.
52. Gomes, M. G. M. ; Aguas, R. ; Lopes, J. S. ; Nunes, M. C. ; Rebelo, C. ; Rodrigues, P. ; **STRUCHINER, C. J.** . How host heterogeneity governs tuberculosis reinfection?. Proceedings - Royal Society. Biological Sciences (Print), v. 279, p. 2473-2478, 2012.
53. WHO-VMI Dengue Vaccine Modeling ; **STRUCHINER, C. J.** . Assessing the Potential of a Candidate Dengue Vaccine with Mathematical Modeling. Plos Neglected Tropical Diseases, v. 6, p. e1450, 2012.
54. Bustamante, C. ; Folarin, O. A. ; Gbotosho, O. G. ; Batista, C. N. ; Mesquita, E. A. ; Brindeiro, R. M. ; Tanuri, A. ; **STRUCHINER, C. J.** ; Sowunmi, A. ; Oduola, A. ; Wirth, D. F. ; Zalis, M. G. ; Happi, C. T. . In vitro Reduced Susceptibility to Artemether in P. falciparum and its Association with Polymorphisms on Transporter Genes. The Journal of Infectious Diseases, v. 206, p. 324-332, 2012.
55. Suarez-Kurtz, G. ; Genro, J P ; de Moraes, M O ; Ojopi, EB ; Pena, S D J ; Perini, JA ; Ribeiro-dos-Santos, A ; Romano-Silva, M A ; Santana, I ; **STRUCHINER, C. J.** . Global pharmacogenomics: Impact of population diversity on the distribution of polymorphisms in the CYP2C cluster among Brazilians. Pharmacogenomics Journal (Print), v. 12, p. 267-276, 2012.
56. CODEÇO, Claudia Torres ; CORDEIRO, Josiane da Silva ; LIMA, A. W. S. ; COLPO, R. A. ; CRUZ, O. G. ; COELHO, F.C. ; LUZ, Paula Mendes ; **Struchiner, Claudio José** ; BARROS, F. R. . The epidemic wave of influenza A (H1N1) in Brazil, 2009. Cadernos de Saúde Pública (ENSP. Impresso), v. 28, p. 1325-1336, 2012.
57. MACIEL-DE-FREITAS, RAFAEL ; LOURENÇO-DE-OLIVEIRA, RICARDO ; GUIMARÃES, MARIA CRISTINA ; SORGINE, MARCOS HF ; AGUIAR, RAQUEL ; **Struchiner, Cláudio J** ; BRUNO, RAFAELA V ; O'NEILL, SCOTT L ; MOREIRA, LUCIANO A ; VALLE, DENISE . Why do we need alternative tools to control mosquito-borne diseases in Latin America?. Memórias do Instituto Oswaldo Cruz (Impresso), v. 107, p. 828-829, 2012.
58. Fernández-Medina, Rita D ; RIBEIRO, JOSÉ M C ; CARARETO, CLAUDIA M A ; VELASQUE, Luciane ; **Struchiner, Cláudio J** . Losing identity: structural diversity of transposable elements belonging to different classes in the genome of Anopheles gambiae. BMC Genomics, v. 13, p. 272, 2012.



Ministério da Saúde
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Fundação Oswaldo Cruz
Instituto Oswaldo Cruz
Secretaria Acadêmica

59. Evsukoff, Alexandre G. ; Cataldi, Marcio ; de Lima, Beatriz S.L.P. . A multi-model approach for long-term runoff modeling using rainfall forecasts. *Expert Systems with Applications*, v. 39, p. 4938-4946, 2012.
60. Evsukoff, Alexandre G. ; Cataldi, Marcio ; de Lima, Beatriz S.L.P. . A multi-model approach for long-term runoff modeling using rainfall forecasts. *Expert Systems with Applications*, v. 39, p. 4938-4946, 2012.
61. VIEIRA, Ian Nascimento ; **Lima, Beatriz Souza Leite Pires** ; Jacob, Breno Pinheiro . Bio-inspired algorithms for the optimization of offshore oil production systems. *International Journal for Numerical Methods in Engineering (Print)*, v. 91, p. 1023-1044, 2012.
62. Paiva, Renata T ; Paiva, Renata T ; Saliba, Alessandra M ; Fulco, Tatiana O ; Sales, Jorgenilce S ; Carvalho, Daniel S ; Sampaio, Elizabeth P ; Lopes, Ulisses G. ; Sarno, Euzenir N ; **Nobre, Flavio F** ; Fulco, Tatiana O ; Saliba, Alessandra M ; Lopes, Ulisses G ; Sarno, Euzenir N ; **Nobre, Flavio F** ; Sampaio, Elizabeth P ; Carvalho, Daniel S ; Sales, Jorgenilce S . A framework to identify gene expression profiles in a model of inflammation induced by lipopolysaccharide after treatment with thalidomide. *BMC Research Notes*, v. 5, p. 292, 2012.
63. DANDREA, P. S. ; LEMOS, E. R. S. . First record of Akodon paranaensis naturally infected with Jabora virus strain (Hantavirus) in Brazil. *Memórias do Instituto Oswaldo Cruz (Impresso)*, v. 107, p. 424-428, 2012.
64. MELLO, B. ; **SCHRAGO, C.G.** . Incorrect handling of calibration information in divergence time inference: An example from volcanic islands. *Ecology and Evolution*, v. 2, p. ece3.94, 2012.
65. COSTA, R. L. ; VOLOCH, C. M. ; **SCHRAGO, C.G.** . Comparative evolutionary epidemiology of dengue virus serotypes. *Infection, Genetics and Evolution (Print)*, v. 12, p. 309-314, 2012.
66. LOSS-OLIVEIRA, L ; Aguiar, BO ; **SCHRAGO, C.G.** . Testing synchrony in historical biogeography: The case of New World Primates and Hystricognathi rodents. *EVOL BIOINFORM*, v. 8, p. 127-137, 2012.
67. VOLOCH, C. M. ; **SCHRAGO, C.G.** . Impact of the partitioning scheme on divergence times inferred from mammalian genomic data sets. *EVOL BIOINFORM*, v. 8, p. 207-218, 2012.
68. Soares, André E. R. ; **SCHRAGO, C.G.** . The influence of taxon sampling and tree shape on molecular dating: An empirical example from mammalian mitochondrial genomes. *Bioinformatics and Biology Insights*, v. 6, p. 129-143, 2012.
69. D'Arc, M. ; **SCHRAGO, C.G.** ; SOARES, E. A. ; PISSINATTI, A. ; MENEZES, A. N. ; SOARES, M. A. ; SEUANEZ, H. N. . Molecular Evolution of alpha-4 integrin binding site to lentiviral envelope proteins in Neotropical Primates. *Infection, Genetics and Evolution (Print)*, v. 12, p. 1-5, 2012.
70. ROMANEL, E. ; SOUSA, T. M. ; CORREA, R. L. ; FARINELLI, L. ; HAWKINS, J. S. ; **SCHRAGO, C.G.** ; VASLIN, M.F.S. . Global alteration of microRNAs and transposon-derived small RNAs in cotton



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(*Gossypium hirsutum*) during Cotton leafroll dwarf polerovirus (CLRDV) infection. *Plant Molecular Biology*, v. 80, p. 443-460, 2012.

71. SCHRAGO, C.G. ; MENEZES, A. N. ; MOREIRA, M. A. ; PISSINATTI, A. ; SEUANEZ, H. N. . Chronology of deep nodes in the Neotropical primate phylogeny: Insights from mitochondrial genomes. *Plos One*, v. 7, p. e51699, 2012.

72. MONTEIRO, J.M. ; MEDEIROS, A. ; SARAIVA, A. ; CAMPOS, G. ; HOLANDA, P.T> ; BRAYNER, Ângelo ; **LIFSCHITZ, S.** . Proactive Index Maintenance: Using Prediction Models for Improving Index Maintenance in Databases. *Journal of Information and Data Management - JIDM*, v. 3, p. 255-270, 2012.

73. Crokidakis, Nuno ; **Argollo de Menezes, M** . Critical behavior of the SIS epidemic model with time-dependent infection rate. *Journal of Statistical Mechanics*, v. 2012, p. P05012, 2012.

74. da Mota, Fabio Faria ; Marinho, Lourena Pinheiro ; Moreira, Carlos José de Carvalho ; Lima, Marli Maria ; Mello, Cícero Brasileiro ; Garcia, Eloi Souza ; **Carels, N.** ; Azambuja, P.P. . Cultivation-Independent Methods Reveal Differences among Bacterial Gut Microbiota in Triatomine Vectors of Chagas Disease. *Plos Neglected Tropical Diseases*, v. 6, p. e1631-13, 2012.

75. OLIVEIRA, F. O. R. ; **ALVES, C. R.** ; Souza-Silva, F. ; Souza-Silva, F. ; CALVET, C. M. ; CÔRTEZ, L. M. C. ; GONZALEZ, M. S. ; TOMA, L. ; BOUÇAS, R. I. ; NADER, H. B. ; PEREIRA, M. C. S. . Trypanosoma cruzi heparin-binding proteins mediate the adherence of epimastigotes to the midgut epithelial cells of *Rhodnius prolixus*. v. 7, p. 1-9, 2012.

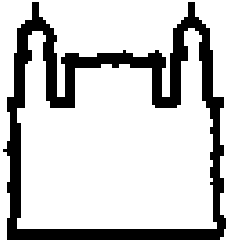
76. CÔRTEZ, L. M. C. ; PEREIRA, M. C. S. ; SILVA, F. S. ; PEREIRA, B. A. S. ; OLIVEIRA, F. O. R. ; Soares, R. O. A. ; BRAZIL, R. P. ; TOMA, Leny ; Vicente, C. M. ; Nader, HB ; MADEIRA, Maria de Fátima ; Garcia , FJ B ; **ALVES, C. R.** . Participation of heparin binding proteins from the surface of *Leishmania (Viannia) braziliensis* promastigotes in the adhesion of parasites to *Lutzomyia longipalpis* cells (Lulo) in vitro. *Parasites & Vectors*, v. 5, p. 142, 2012.

77. Silva-Almeida, M. ; PEREIRA, B. A. S. ; Ribiero-Guimarães, M. L. ; **ALVES, C. R.** . Proteinases as virulence factors in *Leishmania* spp. infection in mammals. *Parasites & Vectores*, v. 5, p. 160, 2012.

78. PEREIRA, BERNARDO ACÁCIO SANTINI ; BRITTO, CONSTANÇA ; **Alves, Carlos Roberto** . Expression of infection-related genes in parasites and host during murine experimental infection with *Leishmania (Leishmania) amazonensis*. *Microbial Pathogenesis*, v. 52, p. 101-108, 2012.

79. DE CASTRO CÔRTEZ, LUZIA MONTEIRO ; DE SOUZA PEREIRA, MIRIAN CLAUDIA ; DE OLIVEIRA, FRANCISCO ODÊNIO RODRIGUES ; CORTE-REAL, SUZANA ; DA SILVA, FRANKLIN SOUZA ; PEREIRA, BERNARDO ACÁCIO SANTINI ; DE FÁTIMA MADEIRA, MARIA ; DE MORAES, MARCIA TEREZINHA BARONI ; BRAZIL, REGINALDO PEÇANHA ; **Alves, Carlos Roberto** . *Leishmania (Viannia) braziliensis*: insights on subcellular distribution and biochemical properties of heparin-binding proteins. *Parasitology (London. Print)*, v. 139, p. 200-207, 2012.

80. DIAS, F. A. ; SANTOS, A. L. S. ; **Lery, Letícia M. S.** ; OLIVEIRA, M. M. ; BISCH, P. M. ; SARAIVA, E. M. ; SOUTO-PADRON, T. C. ; LOPES, A. H. . Evidence that a laminin-like insect protein mediates early events in the interaction of a phytoparasite with its vector's salivary gland. *Plos One*, v. 7, p. e48170, 2012.



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81. VERISSIMO DA COSTA, GIOVANI CARLO ; **LERY, LETICIA MIRANDA SANTOS** ; DA SILVA, MANUELA LEAL ; MOURA, HÉRCULES ; PERALTA, REGINA HELENA SARAMAGO ; VON KRÜGER, WANDA MARIA ALMEIDA ; Bisch, Paulo Mascarello ; BARR, JOHN R. ; PERALTA, JOSÉ MAURO . The identification and characterization of epitopes in the 30 34kDa Trypanosoma cruzi proteins recognized by antibodies in the serum samples of chagasic patients. Journal of Proteomics (Print), v. xx, p. xx, 2012.