

Laboratório de Bioquímica de Proteínas e Peptídeos

2006

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De-Simone SG, Salles CM, Silva CMB, Voloch AH 2006. Purification and amino acid sequence of fructose 1,6-biphosphate aldolase from eletric organ of *Electrophorus electricus* (L.). Z Naturforsch C 61: 884-888.

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Silva CPS, Santos AL, Gibson DI 2006. A new species of *Monocotyle taschenbergi*, 1878 (Monogenea: Monocotylidae) from *Dasyatis guttata* (Dasyatidae). J Parasitol 92: 21-24.

Silva Jr FPS, Ellena J, Lima MF, Mascarenhas YP, N-de-Souza MV, Vasconcelos TRA, Wardell JL 2006. Experimental and Theoretical Structure Characterization of Two Isoniazid Derivatives.. J Mol Struct 788: 63-71.

Silva Jr FP, Antunes O, de-Alencastro RB, De-Simone SG 2006. The Na⁺ binding channel of human coagulation proteases: Novel insights on the structure and allosteric modulation revealed by molecular surface analysis.. Biophys Chem 119: 282-294.

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Salles JB, Bastos VLC, Silva Filho MV, Machado OL, Salles CM, De-Simone SG, Bastos JC 2006. A novel butyrylcholinesterase from serum of *Leporinus macrocephalus*, a Neotropical fish.. Biochimie 88: 59-68.

Salles CM, Guedes HL, Salles JB, Silva Jr FP, De-Simone SG 2006. Optimization of sample preparation from skin mucus of a neotropical fish for two-dimensional substrate gel electrophoresis.. Anal Biochem 357: 153-155.

De-Simone SG, Correa Netto C, Silva Jr FP 2006. Simple affinity chromatographic procedure to purify beta-galactoside binding lectins. . J Chromatogr B 838: 135-138.

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Salles CM, Gagliano P, Leitão SAT, Salles JB, Guedes HLM, Cassano VPF, De-Simone SG 2007. Identification and characterization of proteases from skin mucus of tambacu, a Neotropical hybrid fish. Fish Physiol Biochem 33: 173-179.

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Silva-Lopez RE, Diaz JM, De-Simone SG 2007. Effects of serine protease inhibitors on viability and morphology of *Leishmania* (*Leishmania*) amazonensis promastigotes. Parasitol Res 101: 1627-1635.

Guedes HLM, Resende Neto JM, Fonseca MA, Salles CMC, Rossi-Bergman B, De-Simone SG 2007. Identification of serines protease from *Leishmania braziliensis*. Z Naturforsch C 62c: 373-381.

Guedes HLM, Carneiro MPD, Gomes DCO, Rossi-Bergman B, De-Simone SG 2007. Oligopeptidase B from *Leishmania amazonensis*: molecular cloning, gene expression analysis and molecular model. *Parasitol Res* 101: 853-863.

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Silva Jr FPS, Guedes HLM, Garvey LC, Aguiar AS, Bourguignon SC, Di Cera E, De-Simone SG 2007. BJ-48, a novel thrombin-like enzyme from the *Bothrops jararacussu* venom with striking specificity for Arg over Lys in P1: Role of N-glycosylation in thermostability and active site accessibility. *Toxicon* 50: 18-31.

2008

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doi> Guedes HLM, Rossi-Bergman B, De-Simone SG 2008. Oligopeptidase B2 from *Leishmania amazonensis* with an usual C-terminal extension. *Acta Parasitol* 53: 197-204.

doi> Lopez RES, Morgado-Diaz JA, Santos PT, De-Simone SG 2008. Purification and subcellular localization of a secreted 75 kDa *Trypanosoma cruzi* serine oligopeptidase. *Acta Trop* 107: 159-167.

doi> Silva Jr FPS, Guedes HLM, Correa_Netto C, Salles CM, Alexandre G, Oliveira CL, Torriani I, De-Simone SG 2008. Structural characterization and low-resolution model of BJ-48, a thrombin-like enzyme from *Bothrops jararacussu* venom. *Biophys Chem* 132: 159-164.

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doi> Davila AMR, Mendes PN, Wagner G, Tschoeke DA, Cuadrat RRC, Matos L, Satake T, Ocana KACS, Triana O, Cruz SMS, Juca HCL, Cury JC, Grisard EC, Silva FN, Geronimo GA, Ruiz M, Ruback E, Silva Jr FPS, Probst CM, Krieger MA, Goldenberg S, Cavalcanti MCR, Moraes MO, Campos MLM, Mattoso M 2008. ProtozoaDB: dynamic visualization and exploration of protozoan genomes. *Nucleic Acids Res* 36: D547-D552.

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doi> Guimarães AJ, Hamilton AJ, Guedes HLM, Nosanchuk JD, Zancopé-oliveira RM 2008. Biological function and molecular mapping of M antigen in yeast phase of *Histoplasma capsulatum*. *Plos One* 3:

Indexado (>2,0 a 4,0)

doi> Pratt-Riccio LR, Sallenave-sales S, Oliveira-Ferreira J, Silva BT, Guimarães ML, Santos F, De Simone TS, Morgado MG, De-Simone SG, Ferreira-da-Cruz MF, Daniel-Ribeiro CT, Zalis MG, Camus D, Banic DM 2008. Evaluation of the genetic polymorphism of *Plasmodium falciparum* P126 protein (SERA or SERP) and its influence on naturally acquired specific antibody responses in malaria-infected individuals living in the Brazilian Amazon. *Malaria J* 7: - .

doi> Lima-junior JC, Tran TM, Meyer EVS, Singh B, De-Simone SG, Santos F, Daniel-Ribeiro CT, Moreno A, Barnwell JW, Galinski MR, Oliveira-Ferreira J 2008. Naturally acquired humoral and cellular immune responses to *Plasmodium vivax* merozoite surface protein 9 in Northwestern

Amazon individuals. Vaccine 26: 6645-6654.

doi: Silva Jr FPS, Alexandre GMC, Ramos CHI, De-Simone SG 2008. On the quaternary structure of a C-type lectin from Bothrops jararacussu venom-BJ-32 (Bjcul). Toxicon 52: 944-953.

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doi: Horta BA, Sodero AC, de Alencastro RB 2009. Investigating the differential activation of vascular endothelial growth factor (VEGF) receptors. J Mol Graph Model 28: 287-296.

2010

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doi: da Silva-López RE, dos Santos TR, Morgado-Díaz JA, Tanaka MN, de Simone SG 2010. Serine protease activities in Leishmania (Leishmania) chagasi promastigotes. Parasitol Res 107: 1151-1162.

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doi: Romero L, Marcussi S, Marchi-Salvador DP, Silva FPJr, Fuly AL, Stábeli RG, da Silva SL, González J, Monte AD, Soares AM 2010. Enzymatic and structural characterization of a basic phospholipase A(2) from the sea anemone *Condylactis gigantea*. Biochimie 92: 1063-1072.

doi: Correa-Neto C, Teixeira-Araujo R, Aguiar AS, Melgarejo AR, De-Simone SG, Soares MR, Foguel D, Zingali RB 2010. Immunome and venome of Bothrops jararacussu: A proteomic approach to study the molecular immunology of snake toxins. Toxicon 55: 1222-1235.

doi: Lima-Junior JC, Banic DM, Tran TM, Meyer VS, De-Simone SG, Santos F, Porto LC, Marques MT, Moreno A, Barnwell JW, Galinski M, Oliveira-Ferreira J 2010. Promiscuous T-cell epitopes of Plasmodium merozoite surface protein 9 (PvMSP9) induces IFN-gamma and IL-4 responses in individuals naturally exposed to malaria in the Brazilian Amazon. Vaccine 28: 3185-3191.

doi: de Matos Guedes HL, Pinheiro RO, Chaves SP, De-Simone SG, Rossi-Bergmann B 2010. Serine proteases of Leishmania amazonensis as immunomodulatory and disease-aggravating components of the crude LaAg vaccine. Vaccine 28: 5491-5496.

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doi: Ferreira SB, Sodero AC, Cardoso MF, Lima ES, Kaiser CR, Silva FP Jr, Ferreira VF 2010. Synthesis, biological activity, and molecular modeling studies of 1H-1,2,3-triazole derivatives of carbohydrates as alpha-glucosidases inhibitors. J Med Chem 53: 2364-2375.

2011

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Falcão DQ, Santos AR, Ortiz-Silva B, Louro RP, Seiceira R, Finotelli PV, Ferreira JL, De Simone SG, Amaral AC 2011. Development of nanoencapsulation forms from *Cymbopogon citratus* essential oil. *Lat Am J Pharm* 30: 765-772.

Indexado (fator de impacto > 2 e 4)

doi: Senger MR, Seibt KJ, Ghisleni GC, Dias RD, Bogo MR, Bonan CD 2011. Aluminum exposure alters behavioral parameters and increases acetylcholinesterase activity in zebrafish (*Danio rerio*) brain. *Cell Biol Toxicol* 27: 199-205.

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doi: Teixeira SS, Silveira LB, da Silva FM, Marchi-Salvador DP, Silva FP, Izidoro LF, Fuly AL, Juliano MA, dos Santos CR, Murakami MT, Sampaio SV, da Silva SL, Soares AM 2011. Molecular characterization of an acidic phospholipase A2 from *Bothrops pirajai* snake venom: synthetic C-terminal peptide identifies its antiplatelet region. *Arch Toxicol* 85: 1219-1233.

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Machado da Silva AV, Magalhães MD, Peçanha Brazil R, Carreira JC 2011. Ecological study and risk mapping of leishmaniasis in an endemic area of Brazil based on a geographical information systems approach. *Geospatial Health* 6: 33-40.

2012

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Cárdenas MQ, Fernandes BM, Justo MC, dos Santos AL, Cohen SC 2012. Helminth parasites of *Ctenosciaena gracilicirrus* (Perciformes: Sciaenidae) from the coast of Angra dos Reis, Rio de Janeiro State, Brazil. *Rev Mex Biodivers* 83: 31-35.

Indexado (fator de impacto >=1 e < 2,71)

doi: Santos CP, Santos AL, Cunha R, Chisholm LA 2012. A new species of *Heterocotyle* Scott, 1904 (Monogenea: Monocotylidae) from the gills of *Dasyatis guttata* (Dasyatidae) in southwestern Atlantic waters off Rio de Janeiro, Brazil. *Syst Parasitol* 81: 65-70.

doi: Beghini DG, Ferreira AT, de Almeida VC, Caminha MA, Silva Jr FP, Perales J, Menna-Barreto RF 2012. New insights in *Trypanosoma cruzi* proteomic map: further post-translational modifications and potential drug targets in Y strain epimastigotes. *J Integr OMICS* 2: 106-113.

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doi: Trevizano LM, Ventorim RZ, de Rezende ST, Silva Jr FP, Guimarães VM 2012. Thermostability improvement of *Orpinomyces* sp. xylanase by directed evolution. *J Mol Catal B-Enzym* 81: 12-18.

2013

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doi: Souza ALM, P. Diaz Dellavalle, Andre Cabrera, Paloma Larrañaga, Marco Dalla Riza, De-Simone SG 2013. Antimicrobial activity of pleurocidin activity is retained in PLC-2, a C-terminal 12-amino acid fragment. *Toxicon* 45: 78-84.

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doi: de Oliveira RB , Senger MR, Vasques LM, Gasparotto J, dos Santos JP, Pasquali MA, Moreira JC, Silva Jr FP, Gelain DP 2013. *Schistosoma mansoni* infection causes oxidative stress and alters receptor for advanced glycation endproduct (RAGE) and tau levels in multiple organs in mice. *Int J Parasitol* 43: 371-379.

Indexado (fator de impacto >=4,35 e < 7,51)

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2014

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doi: , Bastos FF, Dantas RF, Tobar SA, da Cunha Bastos Neto J, da Cunha Bastos VL, Zioli RL, Arruda MA 2014. Behaviour of the oxidant scavenger metallothionein in hypoxia-induced neotropical fish. Ecotox Environ Safe 103: 24-28.

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doi: Gonzaga D, Senger MR, Fernando de Carvalho da Silva, Vitor Francisco Ferreira, Silva Jr FPS 2014. 1-phenyl-1H- and 2-phenyl-2H-1,2,3-triazol derivatives: Design, Synthesis and Inhibitory Effect on alphaglycosidases. Eur J Med Chem 74: 461-476.

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