

## **Laboratório de Imunologia Clínica**

### **2006**

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Monteiro-Maia R, Ortigão-de-Sampaio MB, Pinho RT, Castello-Branco LR 2006. Modulation of humoral immune response to oral BCG vaccination by Mycobacterium bovis BCG Moreau Rio de Janeiro (RDJ) in healthy adults.. J Immune Based Ther Vaccines 4: 4-4.

#### **Indexado (fator de impacto > 0,65 a 2,0)**

Cirne-Santos CC, Teixeira VL, Castello-Branco LR, Frugulhetti IC, Bou-Habib DC 2006. Inhibition of HIV-1 replication in human primary cells by a dolabellane diterpene isolated from the marine algae Dictyota paffii. . Planta Med 72: 295-299.

#### **Indexado (fator de impacto >2,0 a 4,0)**

Cosgrove CA, Castello-Branco LR, Hussell T, Sexton A, Giemza R, Phillips R, Williams A, Griffin GE, Dougan G, Lewis DJ 2006. Boosting of cellular immunity against Mycobacterium tuberculosis and modulation of skin cytokine responses in healthy human volunteers by Mycobacterium bovis BCG substrain Moreau Rio de Janeiro oral vaccine. Infect Immun 74: 2449-2452.

Lima RG, Moreira L, Paes-Leme J, Barreto-de-Souza V, Castro-Faria-Neto HC, Bozza PT, Bou-Habib DC 2006. Interaction of macrophages with apoptotic cells enhances HIV Type 1 replication through PGE2, PAF, and vitronectin receptor. AIDS Res Hum Retrov 22: 763-769.

#### **Indexado (fator de impacto >4,0)**

Barreto-de-Souza V, Pacheco GJ, Silva AR, Castro-Faria-Neto HC, Bozza PT, Saraiva EM, Bou-Habib DC 2006. Increased Leishmania replication in HIV-1-infected macrophages is mediated by tat protein through cyclooxygenase-2 expression and prostaglandin E2 synthesis. J Infect Dis 194: 846-854.

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Pires FA, Moya-Borja GE, Barreira JD, Pinho RT, Alves CR 2007. The main proteinases in Dermatobia hominis second and third instars larvae are serine-proteinases. Vet Parasitol 145: 326-331.

#### **Indexado (fator de impacto >2,0 a 4,0)**

Monteiro JP, Morgado MG, Habib DCB 2007. Genetic and biologic characterization of HIV type 1 subtype C isolates from south Brazil. AIDS Res Hum Retrov 23: 135-143.

#### **Indexado (fator de impacto >4,0)**

Antas PR, Sampaio EP 2007. Another round for the CD4+ CD25+ regulatory T cells in patients with tuberculosis. *Am J Resp Crit Care* 176: 214-215.

**2008**

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[doi>](#) Kratz J, Andrighetti-fröhner CR, Kolling DJ, Leal PC, Cirne-Santos CC, Yunes RA, Nunes RJ, Trybala E, Bergström T, Frugulhetti IC, Barardi CRM, Simões CMO 2008. Anti-HSV-1 and anti-HIV-1 activity of gallic acid and pentyl gallate. *Mem I Oswaldo Cruz* (impresso) 103: 437-442.

[doi>](#) Santos DO, Coutinho CE, Madeira MF, Bottino CG, Vieira RT, Nascimento SB, Bernardino A, Bourguignon SC, Corte-Real S, Pinho RT, Rodrigues CR, Castro HC 2008. Leishmaniasis treatment—a challenge that remains: a review. *Parasitol Res* 103: 1-10.

[doi>](#) Antas PR, Castello-Branco LR 2008. New vaccines against tuberculosis: lessons learned from BCG immunisation in Brazil. *T Roy Soc Trop Med H* 102: 628-630.

**Indexado (>2,0 a 4,0)**

[doi>](#) Azeredo-Coutinho RB, Matos DC, Armôa GG, Monteiro-Maia R, Schubach A, Mayrink W, Mendonça SC 2008. Contrasting human cytokine responses to promastigote whole-cell extract and the Leishmania analogue receptor for activated C kinase antigen of *L. amazonensis* in natural infection versus immunization. *Clin Exp Immunol* 153: 369-375.

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Souza TML, Cirne-Santos CC, Rodrigues DQ, Abreu CM, Tanuri A, Ferreira VF, Marques IP, Souza MCBV, Fontes CFL, Frugulhetti ICP, Bou-Habib DC 2008. The compound 6-chloro-1,4-dihydro-4-oxo-1-(beta-D-ribofuranosyl) quinoline-3-carboxylic acid inhibits HIV-1 replication by targeting the enzyme reverse transcriptase. *Curr HIV Res* 6: 209-217.

[doi>](#) Cirne-Santos CC, Souza TML, Teixeira VL, Fontes CF, Rebello MA, Castello-Branco LR, Abreu CM, Tanuri A, Frugulhetti ICP, Bou-Habib DC 2008. The dolabellane diterpene Dolabelladienetriol is a typical noncompetitive inhibitor of HIV-1 reverse transcriptase enzyme. *Antivir Res* 77: 64-71.

**2009**

**Indexado (fator de impacto > 0,65 e < 2)**

[doi>](#) Rebello KM, Côrtes LM, Pereira BA, Pascarelli BM, Côrte-Real S, Finkelstein LC, Pinho RT, d'Avila-Levy CM, Alves CR 2009. Cysteine proteinases from promastigotes of *Leishmania* (*Viannia*) *braziliensis*. *Parasitol Res* 106: 95-104.

[doi>](#) Bourguignon SC, Castro HC, Santos DO, Alves CR, Ferreira VF, Gama IL, Silva FC, Seguints WS, Pinho RT 2009. *Trypanosoma cruzi*: in vitro activity of Epoxy-alpha-Lap, a derivative of

alpha-lapachone, on trypomastigote and amastigote forms. *Exp Parasitol* 122: 91-96.

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#### **Indexado (fator de impacto > 2 e < 4)**

[doi>](#) Badell E, Nicolle F, Clark S, Majlessi L, Boudou F, Martino A, Castello-Branco L, Leclerc C, Lewis DJ, Marsh PD, Gicquel B, Winter N 2009. Protection against tuberculosis induced by oral prime with Mycobacterium bovis BCG and intranasal subunit boost based on the vaccine candidate Ag85B-ESAT-6 does not correlate with circulating IFN-gamma producing T-cells. *Vaccine* 27: 28-37.

[doi>](#) Santos FC, Abreu P, Castro HC, Paixão IC, Cirne-Santos CC, Giongo V, Barbosa JE, Simonetti BR, Garrido V, Bou-Habib DC, Silva D de O, Batalha PN, Temerozo JR, Souza TM, Nogueira CM, Cunha AC, Rodrigues CR, de Souza MC, Ferreira VF 2009. Synthesis, antiviral activity and molecular modeling of oxoquinoline derivatives. *Bioorgan Med Chem* 17: 5476-5481.

#### **2010**

##### **Indexado (fator de impacto > 0,65 e < 2)**

[doi>](#) Peixoto E, Oliveira JC, Antas PR, Borba CM 2010. In-vitro study of the host-parasite interactions between mouse macrophages and the opportunistic fungus Paecilomyces lilacinus. *Ann Trop Med Parasit* 104: 529-534.

##### **Indexado (fator de impacto > 2 e < 4)**

[doi>](#) Schreiber F, Huo Z, Giemza R, Woodrow M, Fenner N, Stephens Z, Dougan G, Prideaux S, Castello-Branco LR, Lewis DJ 2010. An investigation of clinical and immunological events following repeated aerodigestive tract challenge infections with live Mycobacterium bovis Bacille Calmette Guérin. *Vaccine* 28: 5427-5431.

[doi>](#) Nihei OK, Fonseca PC, Rubim NM, Bonavita AG, Lyra JS, Neves-dos-Santos S, de Carvalho AC, Spray DC, Savino W, Alves LA 2010. Modulatory effects of cAMP and PKC activation on gap junctional intercellular communication among thymic epithelial cells. *BMC Cell Biol* 11: - .

[doi>](#) Clark SO, Kelly DL, Badell E, Castello-Branco LR, Aldwell F, Winter N, Lewis DJ, Marsh PD 2010. Oral delivery of BCG Moreau Rio de Janeiro gives equivalent protection against tuberculosis but with reduced pathology compared to parenteral BCG Danish vaccination. *Vaccine* 28: 7109-7116.

[doi>](#) Motsinger-Reif AA, Oki NO, Antas PRZ, Levy S, Holland SM, Sterling TR 2010. Polymorphisms in IL-1 beta, vitamin D receptor Fok1, and Toll-like receptor 2 are associated with extrapulmonary tuberculosis. *BMC Med Genet* 11: - .

#### **2011**

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das infecções respiratórias agudas em população pediátrica no Instituto Fernandes Figueira/FIOCRUZ/RJ. J Bras Patol Med Lab 47: 519-527.

[doi>](#) Garrido V, Teixeira GA, Teixeira VL, Ocampo P, Ferreira WJ, Cavalcanti DN, Campos SM, Pedrucci MM, Olaya P, dos Santos CC, Giongo V, Paixão IC 2011. Evaluation of the acute toxicity of dolabelladienotriol, a potential antiviral from the brown alga *Dictyota pfaaffii*, in BALB/c mice. Rev Bras Farmacogn 21: 209-215.

#### **Indexado (fator de impacto > 2 e 4)**

[doi>](#) Simas CJ, Silva DP, Ponte CG, Castello-Branco LR, Antas PR 2011. Patterns of in vitro cell-death, metalloproteinase-9 and pro-inflammatory cytokines in human monocytes induced by the BCG vaccine, Moreau strain. Vaccine 29: 6446-6450.

#### **Indexado (fator de impacto > 4)**

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#### **Indexado (fator de impacto 0,65 e 2)**

[doi>](#) Soares RO, Echevarria A, Bellieny MS, Pinho RT, de Leo RM, Seguin WS, Machado GM, Canto-Cavaleiro MM, Leon LL 2011. Evaluation of thiosemicarbazones and semicarbazones as potential agents anti-*Trypanosoma cruzi*. Exp Parasitol 129: 381-387.

[doi>](#) Bourguignon SC, Cavalcanti DF, de Souza AM, Castro HC, Rodrigues CR, Albuquerque MG, Santos DO, da Silva GG, da Silva FC, Ferreira VF, de Pinho RT, Alves CR 2011. *Trypanosoma cruzi*: insights into naphthoquinone effects on growth and proteinase activity. Exp Parasitol 127: 160-166.

### **2012**

#### **Indexado (fator de impacto < 1 ou sem FI)**

[doi>](#) Vaca M, Moncayo AL, Cosgrove CA, Chico ME, Castello-Branco LR, Lewis DJ, Cooper PJ 2012. A single dose of oral BCG Moreau fails to boost systemic IFN-gamma responses to tuberculin in children in the rural tropics: Evidence for a barrier to mucosal immunization. J Trop Med 2012: - .

[doi>](#) Antas P, Holland S, Sterling T 2012. Abnormal spontaneous interleukin 8 receptor expression: a brief report of two cases. Rev Soc Bras Med Tro 45: 134-137.

#### **Indexado (fator de impacto $\geq 1$ e < 2,71)**

[doi>](#) Faro LV, de Almeida JM, Cirne-Santos CC, Giongo VA, Castello-Branco LR, Oliveira IB, Barbosa JE, Cunha AC, Ferreira VF, de Souza MC, Paixão IC, de Souza MC 2012. Oxoquinoline acyclonucleoside phosphonate analogues as a new class of specific inhibitors of human immunodeficiency virus type 1. Bioorg Med Chem Lett 22: 5055-5058.

### **Indexado (fator de impacto $\geq 2,71$ e $< 4,35$ )**

[doi>](#) Antas PR, Brito MM, Peixoto É, Ponte CG, Borba CM 2012. Neglected and emerging fungal infections: review of hyalohyphomycosis by *Paecilomyces lilacinus* focusing in disease burden, in vitro antifungal susceptibility and management. *Microbes Infect* 14: 1-8.

### **2013**

#### **Indexado (fator de impacto $\geq 1$ e $< 2,71$ )**

[doi>](#) Bastos ML, Menzies D, Belo MT, Teixeira EG, de Abreu ST, Antas, PRZ, Trajman A 2013. Changes in QuantiFERON®-TB Gold In-Tube results during treatment for tuberculous infection. *Int J Tuberc Lung D* 17: 909-916.

[doi>](#) Pontes CGG, Antas, PRZ, Peres LM, Marinho SP 2013. Comments on the neonatal bacillus calmette-guérin vaccination: adding notes in proof of nonspecific effect. *Am J Crit Care* 187: 778-779.

[doi>](#) Antas, PRZ, Moreira-de-Sequeira DC, Peixoto, MLP, De Luca PM, Oliveira-Ferreira J, Borba CM 2013. Detection of antibody to *Purpureocillium lilacinum* by immunofluorescent assay and flow cytometry in serum of infected C57BL/6 mice. *J Immunol Methods* 396: 147-151.

### **Indexado (fator de impacto $\geq 2,71$ e $< 4,35$ )**

Silva D, Pontes CGG, Hacker MAVB, Antas PRZ 2013. A whole blood assay as a simple, broad assessment of cytokines and chemokines to evaluate human immune responses to *Mycobacterium tuberculosis* antigens.. *Acta Trop* 127: 75-81.

### **2014**

#### **Indexado (fator de impacto $< 1$ ou sem FI)**

Antas PRZ 2014. Perceptions of Human Tuberculosis Vaccine: The Fiocruz Latest Contribution. *Journal of vaccines & vaccination* 1: - .

#### **Indexado (fator de impacto $\geq 1$ e $< 2,71$ )**

[doi>](#) Silva DPH, Pontes CGG, Hacker MAVB, Antas PRZ 2014. A whole blood assay as a simple, broad assessment of cytokines and chemokines to evaluate human immune responses to *Mycobacterium tuberculosis* antigens.. *Acta Trop* 127(2): 75-81.

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[doi>](#) Stockler-Pinto MB, Mafra D, Moraes C, Lobo J, Boaventura GT, Farage NE, Silva WS, Cozzolino SF, Malm O 2014. Brazil nut (*Bertholletia excelsa*, H.B.K.) improves oxidative stress and inflammation biomarkers in hemodialysis. *Biol Trace Elem Res* 158(1): 105-112.

[doi>](#) Silva FSS, samara braga do nascimento, Saulo Cabral Bourguignon, Pereira BAS, Paula

Fernandes Carneiro, Silva WS, Alves CR, Pinho RT 2014. Evidences for leishmanicidal activity of the naphthoquinone derivative epoxy- $\alpha$ -lapachone. *Exp Parasitol* 147: 81-84.

Pinho RT, Monteiro-Maia R 2014. Oral bacillus Calmette-Guérin vaccine against tuberculosis: why not?. *Mem I Oswaldo Cruz (impresso)* 109(6): 838-845.

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#### **Indexado (fator de impacto $\geq 2,71$ e $< 4,35$ )**

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lymphocytes accumulate in the lungs and play a protective role during severe sepsis. BMC Immunol 16: - .

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[doi>](#) Ribeiro-de-Lima J, Siqueira MS, Pedro TQC, Pontes CGG, Peres LM, Suelen Marinho, Castello-Branco LRR, Antas PRZ 2015. The role of host soluble inflammatory mediators induced by the BCG vaccine for the initiation of in vitro monocyte apoptosis in healthy Brazilian volunteers. J Inflamm-Lond 12: - .

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[doi>](#) Chelsea Carpenter, John Sidney, Ravi Kolla, Kaustuv Nayak, Helena Tomiyama, Claudia Tomiyama, Oscar A. Padilla, Virginie Rozot, Syed F. Ahamed, Pontes CGG, Valeria Rolla, Antas PRZ, Anmol Chandele, John Kenneth, Seetha Laxmi, Edward Makgotlho, Valentina Vanini, Giuseppe Ippolito, Alexandra S. Kazanova, Alexander V. Panteleev, Willem Hanekom, Harriet Mayanja-Kizza, David Lewinsohn, Mayuko Saito, M. Juliana McElrath, W. Henry Boom, Delia Goletti, Robert Gilman, Irina V. Lyadova, Thomas J. Scriba 2015. A side-by-side comparison of T cell reactivity to fifty-nine Mycobacterium tuberculosis antigens in diverse populations from five continents. Tuberculosis 95: 713-721.

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[doi>](#) Silva FSS, Bourguignon SC, Pereira BAS, Cortes LMC, Gonçalves-de-Oliveira LF, Andrea Henriques-Pons, Lea Cysne Finkelstein, Vitor Francisco Ferreira, Paula Fernandes Carneiro, Pinho RT, Ernesto Raul Caffarena, Alves CR 2015. Epoxy- $\alpha$ -lapachone has in vitro and in vivo anti-leishmania (Leishmania) amazonensis effects and inhibits serine proteinase activity in this parasite. Antimicrob Agents Ch 59: 1910-1918.

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[doi>](#) Antas PRZ 2016. Crucial requirement for standardization during the development of novel recombinant BCG vaccines: does the corresponding substrain background matter?. Hum Vacc Immunother 12: 3099-3102.

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[doi>](#) de Oliveira ER, Gonçalves AJS, Costa SM, Azevedo AS, Mantuano-Barradas M, Almeida ACMA, Alves AMB 2016. Aspects of T Cell-Mediated Immunity Induced in Mice by a DNA Vaccine Based on the Dengue-NS1 Antigen after Challenge by the Intracerebral Route. Plos One 11: - .

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[doi>](#) Santiago MA, Bruna de paula Fonseca, Christiane de Fátima da Silva Marques, Edimilson Domingos da Silva, Santos ALB, Almeida ACMA 2016. Flow Cytometry as a Tool for Quality Control of Fluorescent Conjugates Used in Immunoassays. Plos One 11: - .

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[doi>](#) Pinho RT, Waghbi M, Cardillo F, Mengele Junior JO, Antas PRZ 2016. Scrutinizing the Biomarkers for the Neglected Chagas Disease: How Remarkable!. Front Immunol 7: - .

**2017**

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[doi>](#) Pratt-Riccio LR, Silva DSP, Lima-Junior JC, Riccio EKP, Ribeiro-Alves M, Santos F, Arruda M, Camus D, Druilhe P, Oliveira-Ferreira J, Daniel-Ribeiro CT, Banic DM 2017. Synthetic Antigens Derived from Plasmodium falciparum Sporozoite, Liver, and Blood Stages: Naturally Acquired Immune Response and Human Leukocyte Antigen Associations in Individuals Living in a Brazilian Endemic Area. Am J Trop Med Hyg 97(5): 1581-1592.

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[doi>](#) Moreira-de-Sequeira DC, Menezes RC, Oliveira MME, Antas PRZ, De Luca PM, Oliveira-Ferreira J, Borba CM 2017. Experimental Hyalohyphomycosis by Purpureocillium lilacinum: Outcome of the Infection in C57BL/6 Murine Models. Front Microbiol 8: - .

[doi>](#) Chaves LB, Silva DSP, Silva RNR, Martins da Silva JH, Cassiano GC, Machado RL, Pratt-Riccio LR, Banic DM, Lima-Junior JC 2017. Plasmodium vivax Cell Traversal Protein for Ookinetes and Sporozoites (PvCelTOS) gene sequence and potential epitopes are highly conserved among isolates from different regions of Brazilian Amazon. Plos Neglect Trop D 11(2): - .

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## 2018

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[doi>](#) Pinna RA, Dos Santos AC, Silva DSP, Silva LA, Silva RNR, Alves MR, Santos F, Oliveira-Ferreira J, Lima-Junior JC, Villa-Verde DMS, De Luca PM, Carvalho-Pinto CE, Banic DM 2018. Correlation of APRIL with production of inflammatory cytokines during acute malaria in the Brazilian Amazon. *Immun Inflamm Dis* 6(2): 207-220.

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[doi>](#) Antas PRZ, Flores-Valdez M2, Shann F 2018. An opportunity to compare the effects of BCG-Moreau and BCG-Russia in Brazil. *Int J Tuberc Lung D* 22(9): 1108-1109.

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[doi>](#) Ponte C, Hacker M, Moraes M, Castello-Branco L, Silva F, Antas PRZ 2018. The patterns of in vitro cell-death and inflammatory cytokines induced by distinct BCG vaccine strains are differentially induced in human mononuclear cells. *Hum Vacc Immunother* 14: 28-35.

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[doi>](#) Monteiro-Maia R, Corrêa PR, Sousa PSV, Pinho RT, Mendonça-Lima L 2018. Gain of function in *Mycobacterium bovis* BCG Moreau due to loss of a transcriptional repressor. *Mem I Oswaldo Cruz (on line)* 13: - .

### Qualis B1

[doi>](#) Santos BAF, Oliveira ERA, Paes MV, Amendoeira FC, Delgado IF, Almeida ACMA 2018. Ensaio do linfonodo local murino (LLNA) na diferenciação entre a dermatite de contato alérgica e de contato irritante: um estudo da expressão de marcadores de superfície de linfócitos T. *Revista VISA em debate* 6(3): 54-63.