

## Laboratório de Biologia das Interações

### Publicações 1998- 2022

#### Membros do LBI

#### 2022

[Lannes-Vieira J.](#) Multi-therapeutic strategy targeting parasite and inflammation-related alterations to improve prognosis of chronic Chagas cardiomyopathy: a hypothesis-based approach. **Mem Inst Oswaldo Cruz.** 117:e220019. doi: 10.1590/0074-02760220019. eCollection 2022. PMID: 35320825, 2022

[Farani PSG](#), Ferreira BIS, [Gibaldi D](#), [Lannes-Vieira J](#), Moreira OC. Modulation of miR-145-5p and miR-146b-5p levels is linked to reduced parasite load in H9C2 Trypanosoma cruzi infected cardiomyoblasts. **Sci Rep.** 12(1):1436. doi: 10.1038/s41598-022-05493-4. PMID:35082354, 2022

[Castaño BL](#), Silva AA, Hernandez-Velasco LL, [Pinheiro APDS](#), [Gibaldi D](#), Mineo JR, Silva NM, [Lannes-Vieira J](#). Sulfadiazine Plus Pyrimethamine Therapy Reversed Multiple Behavioral and Neurocognitive Changes in Long-Term Chronic Toxoplasmosis by Reducing Brain Cyst Load and Inflammation-Related Alterations. **Front Immunol.** 13:822567. doi: 10.3389/fimmu.2022.822567. eCollection 2022. PMID: 35572567, 2022

#### 2021

[Dantas-Pereira L](#), Menna-Barreto R, [Lannes-Vieira J](#). Extracellular Vesicles: Potential Role in Remote Signaling and Inflammation in *Trypanosoma cruzi*-Triggered Disease. **Front Cell Dev Biol.** 2021, 9:798054. doi: 10.3389/fcell.2021.798054. eCollection PMID: 34988085, 2021

Torres DJL, Arruda TR, Barros MDS, Gonçales JP, Soares AKA, Oliveira KKDS, Moreira LR, Medeiros C, Cavalcanti MDGAM, [Martins SM](#), Carrazzone C, Oliveira W, [Lannes-Vieira J](#), Lorena VMB. Is a negative correlation between sTNFR1 and TNF in patients with chronic Chagas disease the key to clinical progression? **Immunobiology.** 227(1):152166. doi: 10.1016/j.imbio.2021.152166. 2021. PMID: 34936965, 2021

[Pedra-Rezende Y](#), Barbosa JMC, Bombaça ACS, [Dantas-Pereira L](#), [Gibaldi D](#), [Vilar-Pereira G](#), Dos Santos HAM, Ramos IP, Silva-Gomes NL, Moreira OC, [Lannes-Vieira J](#), Menna-Barreto RFS. Physical Exercise Promotes a Reduction in Cardiac Fibrosis in the Chronic Indeterminate Form of Experimental Chagas Disease. **Front Immunol.** 12:712034. doi: 10.3389/fimmu.2021.712034. eCollection 2021. PMID: 34804007, 2021

[Castaño Barrios L](#), [Da Silva Pinheiro AP](#), [Gibaldi D](#), Silva AA, Machado Rodrigues E Silva P, Roffê E, da Costa Santiago H, Tostes Gazzinelli R, Mineo JR, Silva NM, [Lannes-Vieira J](#). Behavioral alterations in long-term Toxoplasma gondii infection of C57BL/6 mice are associated with neuroinflammation and disruption of the blood brain barrier. **PLoS One.** 16(10):e0258199. doi: 10.1371/journal.pone.0258199. eCollection 2021. PMID: 34610039, 2021

Araujo-Jorge TC, Ferreira RR, Rocha RCM, Vieira TM, Costa ND, Santos LL, Silva JO, Mendes MO, Almeida-Silva J, Costa EJ, Mexas R, Oliveira JG, Suarez-Fontes AM, Gonçalves TCM, Lopes CM, Mello ML, Borges CXA, Garzoni LR, [Gibaldi D](#), [Lannes-Vieira J](#), Vannier-Santos MA. "Chagas Express XXI": A new ArtScience social technology for health and science education-A case study in Brazilian endemic areas of Chagas disease with an active search of chronic cases. **PLoS Negl Trop Dis.** 2021, 15(7):e0009534. doi: 10.1371/journal.pntd.0009534. eCollection PMID: 34288905, 2021

[Farani PSG](#), Begum K, [Vilar-Pereira G](#), Pereira IR, Almeida IC, Roy S, [Lannes-Vieira J](#), Moreira OC.

Treatment With Suboptimal Dose of Benznidazole Mitigates Immune Response Molecular Pathways in Mice With Chronic Chagas Cardiomyopathy. **Front Cell Infect Microbiol.** 11:692655. doi: 10.3389/fcimb.2021.692655. eCollection 2021. PMID: 34381739, 2021

Moraschi BF, Noronha IH, Ferreira CP, Cariste LM, Monteiro CB, Denapoli P, Vrechi T, Pereira GJS, Gazzinelli RT, [Lannes-Vieira J](#), Rodrigues MM, Bortoluci KR, Vasconcelos JRC. Rapamycin Improves the Response of Effector and Memory CD8+ T Cells Induced by Immunization with ASP2 of Trypanosoma cruzi. **Front Cell Infect Microbiol.** 11:676183. doi: 10.3389/fcimb.2021.676183. eCollection 2021. PMID: 34123875, 2021

Ferreira CP, Cariste LM, Noronha IH, Durso DF, [Lannes-Vieira J](#), Bortoluci KR, Ribeiro DA, Golenbock D, Gazzinelli RT, de Vasconcelos JRC. Correction: CXCR3 chemokine receptor contributes to specific CD8+ T cell activation by pDC during infection with intracellular pathogens. **PLoS Negl Trop Dis.** 15(4):e0009326. doi: 10.1371/journal.pntd.0009326. eCollection 2021 Apr. PMID: 33826616, 2021

[Vilar-Pereira G](#), [Castaño Barrios L](#), [Silva AAD](#), [Martins Batista A](#), [Resende Pereira I](#), Cruz Moreira O, Britto C, Mata Dos Santos HA, [Lannes-Vieira J](#). Memory impairment in chronic experimental Chagas disease: Benznidazole therapy reversed cognitive deficit in association with reduction of parasite load and oxidative stress in the nervous tissue. **PLoS One.** 16(1):e0244710. doi: 10.1371/journal.pone.0244710. eCollection 2021. PMID: 33400707, 2021

## 2020

Marins-Dos-Santos A, Olivieri BP, Ferreira-Reis R, de Meis J, Silva AA, de Araújo-Jorge TC, [Lannes-Vieira J](#), Cotta-de-Almeida V. CD8low T cells expanded following acute Trypanosoma cruzi infection and benznidazole treatment are a relevant subset of IFN- $\gamma$  producers. **PLoS Negl Trop Dis.** 14(12):e0008969. doi: 10.1371/journal.pntd.0008969. eCollection 2020. PMID: 33347472, 2020

Gibaldi D, [Vilar-Pereira G](#), Pereira IR, [Silva AA](#), [Barrios LC](#), Ramos IP, Mata Dos Santos HA, Gazzinelli R, [Lannes-Vieira J](#). CCL3/Macrophage Inflammatory Protein-1 $\alpha$  Is Dually Involved in Parasite Persistence and Induction of a TNF- and IFN $\gamma$ -Enriched Inflammatory Milieu in Trypanosoma cruzi-Induced Chronic Cardiomyopathy. **Front Immunol.** 11:306. doi: 10.3389/fimmu.2020.00306. eCollection 2020. PMID: 32194558, 2020

[Alves SMM](#), [Alvarado-Arnez LE](#), Cavalcanti MDGAM, Carrazzone CFV, Pacheco AGF, Sarteschi C, Moraes MO, Oliveira Junior WA, Medeiros CA, Pessoa FG, Mady C, [Lannes-Vieira J](#), Ramires FJA. Influence of Angiotensin-converting Enzyme Insertion/Deletion Gene Polymorphism in Progression of Chagas Heart Disease. **Rev Soc Bras Med Trop.** 53:e20190488. doi: 10.1590/0037-8682-0488-2019. 2020. PMID: 32638886, 2020

## 2019

Ferreira RR, Abreu RDS, [Vilar-Pereira G](#), Degrave W, Meuser-Batista M, Ferreira NVC, da Cruz Moreira O, da Silva Gomes NL, Mello de Souza E, Ramos IP, Baily S, Feige JJ, [Lannes-Vieira J](#), de Araújo-Jorge TC, Waghabi MC. TGF- $\beta$  inhibitor therapy decreases fibrosis and stimulates cardiac improvement in a pre-clinical study of chronic Chagas' heart disease. **PLoS Negl Trop Dis.** 13(7):e0007602. doi: 10.1371/journal.pntd.0007602. eCollection 2019. PMID: 31365537, 2019

Pontes Ferreira C, Cariste LM, Ferri Moraschi B, Ferrarini Zanetti B, Won Han S, Araki Ribeiro D, Vieira Machado A, [Lannes-Vieira J](#), Gazzinelli RT, Vasconcelos JRC. CXCR3 chemokine receptor guides Trypanosoma cruzi-specific T-cells triggered by DNA adenovirus ASP2 vaccine to heart tissue after challenge. **PLoS Negl Trop Dis.** 13(7):e0007597. doi: 10.1371/journal.pntd.0007597.

eCollection 2019. PMID: 31356587, 2019

## 2018

Alvarado-Arnez LE, Batista AM, Alves SM, Melo G, Lorena VMB, Cardoso CC, Pereira IR, Carrazzone C, Pacheco AG, Oliveira W Jr, Moraes MO, Lannes-Vieira J. Single nucleotide polymorphisms of cytokine-related genes and association with clinical outcome in a Chagas disease case-control study from Brazil. *Mem Inst Oswaldo Cruz.* 113(6):e170489. 10.1590/0074-02760170489. PMID: 29768622, 2018

Batista AM, Alvarado-Arnez LE, Alves SM, Melo G, Pereira IR, Ruivo LAS, da Silva AA, Gibaldi D, da Silva TDESP, de Lorena VMB, de Melo AS, de Araújo Soares AK, Barros MDS, Costa VMA, Cardoso CC, Pacheco AG, Carrazzone C, Oliveira W Jr, Moraes MO, Lannes-Vieira J. Genetic Polymorphism at CCL5 Is Associated With Protection in Chagas' Heart Disease: Antagonistic Participation of CCR1+ and CCR5+ Cells in Chronic Chagasic Cardiomyopathy. *Front Immunol.* 9:615. doi: 10.3389/fimmu.2018.00615. eCollection 2018. PMID: 29696014, 2018

Coelho LL, Pereira IR, Pereira MCS, Mesquita L, Lannes-Vieira J, Adesse D, Garzoni LR. Trypanosoma cruzi activates mouse cardiac fibroblasts in vitro leading to fibroblast-myofibroblast transition and increase in expression of extracellular matrix proteins. *Parasit Vectors.* 11(1):72. doi: 10.1186/s13071-018-2614-1. PMID: 29382361, 2018

## 2017

Ferreira LRP, Ferreira FM, Laugier L, Cabantous S, Navarro IC, da Silva Cândido D, Rigaud VC, Real JM, Pereira GV, Pereira IR, Ruivo L, Pandey RP, Savoia M, Kalil J, Lannes-Vieira J, Nakaya H, Chevillard C, Cunha-Neto E. Integration of miRNA and gene expression profiles suggest a role for miRNAs in the pathobiological processes of acute Trypanosoma cruzi infection. *Sci Rep.* 7(1):17990. doi: 10.1038/s41598-017-18080-9. PMID: 29269773, 2017

Ferreira CP, Cariste LM, Santos Virgílio FD, Moraschi BF, Monteiro CB, Vieira Machado AM, Gazzinelli RT, Bruna-Romero O, Menin Ruiz PL, Ribeiro DA, Lannes-Vieira J, Lopes MF, Rodrigues MM, de Vasconcelos JRC. LFA-1 Mediates Cytotoxicity and Tissue Migration of Specific CD8+ T Cells after Heterologous Prime-Boost Vaccination against Trypanosoma cruzi Infection. *Front Immunol.* 8:1291. doi: 10.3389/fimmu.2017.01291. eCollection 2017. PMID: 29081775, 2017

Silva AA, Silva RR, Gibaldi D, Mariante RM, Dos Santos JB, Pereira IR, Moreira OC, Lannes-Vieira J. Priming astrocytes with TNF enhances their susceptibility to Trypanosoma cruzi infection and creates a self-sustaining inflammatory milieu. *J Neuroinflammation.* 14(1):182. doi: 10.1186/s12974-017-0952-0. PMID: 28877735, 2017

## 2016

Vilar-Pereira G, Carneiro VC, Mata-Santos H, Vicentino AR, Ramos IP, Giarola NL, Feijó DF, Meyer-Fernandes JR, Paula-Neto HA, Medei E, Bozza MT, Lannes-Vieira J, Paiva CN. Resveratrol Reverses Functional Chagas Heart Disease in Mice. *PLoS Pathog.* 12(10):e1005947. doi: 10.1371/journal.ppat.1005947. eCollection. PMID: 27788262, 2016

Vilar-Pereira G, Resende Pereira I, de Souza Ruivo LA, Cruz Moreira O, da Silva AA, Britto C, Lannes-Vieira J. Combination Chemotherapy with Suboptimal Doses of Benznidazole and Pentoxifylline Sustains Partial Reversion of Experimental Chagas' Heart Disease. *Antimicrob Agents Chemother.* 60(7):4297-309. doi: 10.1128/AAC.02123-15. Print 2016. PMID: 27161638, 2016

## 2015

Vilar-Pereira G, Ruivo LA, Lannes-Vieira J. Behavioural alterations are independent of sickness behaviour in chronic experimental Chagas disease. *Mem Inst Oswaldo Cruz.* 110(8):1042-50. doi: 10.1590/0074-02760150300. 2015. PMID: 26676323, 2015

Navarro IC, Ferreira FM, Nakaya HI, Baron MA, Vilar-Pereira G, Pereira IR, Silva AM, Real JM, De Brito T, Chevillard C, Lannes-Vieira J, Kalil J, Cunha-Neto E, Ferreira LR. MicroRNA Transcriptome Profiling in Heart of Trypanosoma cruzi-Infected Mice: Parasitological and Cardiological Outcomes. *PLoS Negl Trop Dis.* 9(6):e0003828. doi: 10.1371/journal.pntd.0003828. eCollection 2015. PMID: 26086673, 2015

Pereira IR, Vilar-Pereira G, Moreira OC, Ramos IP, Gibaldi D, Britto C, Moraes MO, Lannes-Vieira J. Pentoxyfylline reverses chronic experimental Chagasic cardiomyopathy in association with repositioning of abnormal CD8+ T-cell response. *PLoS Negl Trop Dis.* 9(3):e0003659. doi: 10.1371/journal.pntd.0003659. eCollection 2015. PMID: 25789471, 2015

Silva RR, Mariante RM, Silva AA, dos Santos AL, Roffê E, Santiago H, Gazzinelli RT, Lannes-Vieira J. Interferon-gamma promotes infection of astrocytes by Trypanosoma cruzi. *PLoS One.* 10(2):e0118600. doi: 10.1371/journal.pone.0118600. eCollection 2015. PMID: 25695249, 2015

Pereira IR, Vilar-Pereira G, Marques V, da Silva AA, Caetano B, Moreira OC, Machado AV, Bruna-Romero O, Rodrigues MM, Gazzinelli RT, Lannes-Vieira J. A human type 5 adenovirus-based Trypanosoma cruzi therapeutic vaccine re-programs immune response and reverses chronic cardiomyopathy. *PLoS Pathog.* 11(1):e1004594. doi: 10.1371/journal.ppat.1004594. eCollection 2015. PMID: 25617628, 2015

## 2014

Pereira IR, Vilar-Pereira G, Silva AA, Lannes-Vieira J. Severity of chronic experimental Chagas' heart disease parallels tumour necrosis factor and nitric oxide levels in the serum: models of mild and severe disease. *Mem Inst Oswaldo Cruz.* 109(3):289-98. doi: 10.1590/0074-0276140033. PMID: 24937048, 2014

Pereira IR, Vilar-Pereira G, Silva AA, Moreira OC, Britto C, Sarmento ED, Lannes-Vieira J. Tumor necrosis factor is a therapeutic target for immunological unbalance and cardiac abnormalities in chronic experimental Chagas' heart disease. *Mediators Inflamm.* 2014:798078. doi: 10.1155/2014/798078. 2014. PMID: 25140115, 2014

Daliry A, Pereira IR, Pereira-Junior PP, Ramos IP, Vilar-Pereira G, Silvares RR, Lannes-Vieira J, Campos De Carvalho AC. Levels of circulating anti-muscarinic and anti-adrenergic antibodies and their effect on cardiac arrhythmias and dysautonomia in murine models of Chagas disease. *Parasitology.* 141(13):1769-78. doi: 10.1017/S0031182014001097. PMID: 25093253, 2014

Grynszpan D, Freitas DTS, Vieira BR, Angelo TMNF, Mendonca RB, Lopes RS. Educação em saúde e educação ambiental: uma experiência inovadora com base em uma perspectiva socioambiental ligada à promoção da saúde. *Enseñanza de las Ciencias* 2: 1668-1673. CAPES A1, 2014

## 2013

Carlétti D, da Fonseca DM, Gembre AF, Masson AP, Campos LW, Leite LC, Pires AR, Lannes-Vieira J, Silva CL, Horn C. A single dose of a DNA vaccine encoding Apa co-encapsulated with 6,6'-trehalose dimycolate in microspheres conferred long-term protection against tuberculosis in BCG-primed mice. *Clin Vaccine Immunol* 20: 1162-1169, 2013

## 2012

Silverio JC, Pereira IR, Cipitelli MC, Vinagre NF, Rodrigues MM, Gazzinelli RT, Lannes-Vieira J. CD8<sup>+</sup> T-cells expressing interferon gamma or perforin play antagonistic roles in heart injury in experimental *Trypanosoma cruzi*-elicited cardiomyopathy. *PLoS Pathog* 8: e100264, 2012

Paiva CN, Feijó DF, Dutra FF, Carneiro VC, Freitas GB, Alves LS, Mesquita J, Fortes GB, Figueiredo RT, Souza HS, Fantappié MR, Lannes-Vieira J, Bozza MT. Oxidative stress fuels *Trypanosoma cruzi* infection in mice. *J Clin Invest* 122: 2531-2542, 2012

**Carvalho CM, Silverio JC, da Silva AA, Pereira IR, Coelho JM, Britto CC, Moreira OC, Marchevsky RS, Xavier SS, Gazzinelli RT, Bonecini-Almeida MG, Lannes-Vieira J.** Inducible nitric oxide synthase in heart tissue and nitric oxide in serum of *Trypanosoma cruzi*-infected Rhesus monkeys: Association with heart injury. [PLoS Neglect Trop Dis 6: e1644](#), 2012

**Vilar-Pereira G, Silva AA, Pereira IR, Silva RR, Moreira OC, de Almeida LR, de Souza AS, Rocha MS, Lannes-Vieira J.** *Trypanosoma cruzi*-induced depressive-like behavior is independent of meningoencephalitis but responsive to parasiticide and TNF-targeted therapeutic interventions. [Brain Behav Immun 26: 1136-1149](#), 2012

**Grynszpan, D.** Educação científica: em Busca da aprovação profissional da metodologia investigativa no cotidiano escolar. [Ensino de ciências e tecnologia em revista 2: 23-32](#), 2012

## 2011

Meuser-Batista M, Corrêa JR, Carvalho VF, Britto CF, Moreira OC, Batista MM, Soares MJ, Farias Filho FA, e Silva PM, **Lannes-Vieira J, Silva RC, Henriques-Pons A.** Mast cell function and death in *Trypanosoma cruzi* infection. [Am J Pathol 179: 1894-1904](#), 2011

**Lannes-Vieira J, Pereira IR, Vinagre NF, Arnez LE** 2011. TNF-alpha and TNFR in Chagas disease: from protective immunity to pathogenesis of chronic cardiomyopathy. [Adv Exp Med Biol 691: 221-230](#), 2011

## 2010

Lagrota-Candido J, Canella I, Pinheiro DF, Santos-Silva LP, Ferreira RS, Guimarães-Joca FJ, **Lannes-Vieira J, Quirico-Santos T.** Characteristic pattern of skeletal muscle remodelling in different mouse strains. [Int J Exp Pathol 91: 522-529](#), 2010

da Silva AA, **Vilar-Pereira G, de Souza AS, Silva RR, Rocha MS, Lannes-Vieira J.** Induced central nervous system alterations: from the entry of inflammatory cells to potential cognitive and psychiatric abnormalities. [J. Neuroparasitology 1: 1-13](#), 2010

**Silverio JC, de-Oliveira-Pinto LM, Silva AA, de Oliveira GM, Lannes-Vieira J.** Perforin-expressing cytotoxic cells contribute to chronic cardiomyopathy in *Trypanosoma cruzi* infection. [Int J Exp Pathol 91: 72-86](#), 2010

Batista DDGJ, Batista MM, Oliveira GMD, Amaral PBD, **Lannes-Vieira J, Britto CC, Junqueira A, Lima MM, Romanha AJ, Sales Junior PA, Stephens CE, Boykin DW, Soeiro MNC.** Arylimidamide DB766, a Potential Chemotherapeutic Candidate for Chagas' Disease Treatment. [Antimicrobial Agents and Chemotherapy 54: 2940-2952](#), 2010

Romanha AJ, Castro SL, Soeiro, MNC, **Lannes-Vieira J, Ribeiro I, Talvani A, Bourdin B, Blum B, Olivieri B, Zani C, Spadafora C, Chiari E, Chatelain E, Chaves G, Calzada JE, Bustamante JM, Freitas-Junior LH, Romero LI, Bahia MT, Lotrowska M, Soares M, Andrade SG, Armstrong T, Degrave W, Andrade ZA.** In vitro and in vivo experimental models for drug screening and development for Chagas disease. [Memórias do Instituto Oswaldo Cruz 105: 233-238](#), 2010

**Lannes-Vieira J, Araujo-Jorge TC, Soeiro MNC, Gadelha P, Correa-De-Oliveira R.** The Centennial of the Discovery of Chagas Disease: Facing the Current Challenges. [PLoS Neglect Trop Dis 4: e645](#), 2010

## 2009

**Lannes-Vieira J, Soeiro MN, Corrêa-Oliveira R, Araujo-Jorge TC.** Chagas disease centennial anniversary celebration: historical overview and prospective proposals aiming to maintain vector control and improve patient prognosis - a permanent challenge. [Memórias do Instituto Oswaldo Cruz 104 \(suppl I\): 5-7](#), 2009

Lannes-Vieira J, Silverio JC, Pereira IR, Vinagre NF, Carvalho CM, Paiva CN, da Silva AA. Chronic *Trypanosoma cruzi*-elicited cardiomyopathy: from the discovery to the proposal of rational therapeutic interventions targeting cell adhesion molecules and chemokine receptors - how to make a dream come true. [Memórias do Instituto Oswaldo Cruz 104 \(Suppl I\): 226-235](#), 2009

Medeiros GA, Silverio JC, Marino AP, Roffe E, Vieira V, Kroll-Palhares K, Carvalho CE, Silva AA, Teixeira MM, Lannes-Vieira J. Treatment of chronically *Trypanosoma cruzi*-infected mice with a CCR1/CCR5 antagonist (Met-RANTES) results in amelioration of cardiac tissue damage. [Microbes Infect 11: 264-273](#), 2009

Gaspar-Elsas MI, Queto T, Vasconcelos Z, Jones CP, Lannes-Vieira J, Xavier-Elsas P. Evidence for a regulatory role of alpha 4-integrins in the maturation of eosinophils generated from the bone marrow in the presence of dexamethasone. [Clin Exp Allergy 39: 1187-1198](#), 2009

Haolla FA, Claser C, de Alencar BC, Tzelepis F, de Vasconcelos JR, de Oliveira G, Silverio JC, Machado AV, Lannes-Vieira J, Bruna-Romero O, Gazzinelli RT, dos Santos RR, Soares MB, Rodrigues MM. Strain-specific protective immunity following vaccination against experimental *Trypanosoma cruzi* infection. [Vaccine 27: 5644-5653](#), 2009

Paiva CN, Figueiredo RT, Kroll-Palhares K, Silva AA, Silverio JC, Gibaldi D, Pyrro A, Benjamim CF, Lannes-Vieira J, Bozza MT. CCL2/MCP-1 controls parasite burden, cell infiltration, and mononuclear activation during acute *Trypanosoma cruzi* infection. [J Leukocyte Biol 86: 1239-1246](#), 2009

de Alencar BC, Persechini PM, Haolla FA, de Oliveira G, Silverio JC, Lannes-Vieira J, Machado AV, Gazzinelli RT, Bruna-Romero O, Rodrigues MM. Perforin and gamma interferon expression are required for CD4<sup>+</sup> and CD8<sup>+</sup> T-cell-dependent protective immunity against a human parasite, *Trypanosoma cruzi*, elicited by heterologous plasmid DNA prime-recombinant adenovirus 5 boost vaccination. [Infect Immun 77: 4383-4395](#), 2009

Lannes-Vieira J, Lourenco R. The present special issue of the Mem Inst Oswaldo Cruz is dedicated to Chagas disease and *T. cruzi* studies as part of the celebration of the centennial anniversary of the discovery of American trypanosomiasis. [Memórias do Instituto Oswaldo Cruz 104: 3-4](#), 2009

## 2008

Kroll-Palhares K, Silverio JC, Silva AA, Michailowsky V, Marino AP, Silva NM, Carvalho CME, Pinto LMO, Gazzinelli RT and Lannes-Vieira J. TNF/TNFR1 signaling up-regulates CCR5 expression by CD8<sup>+</sup> T lymphocytes and promotes heart tissue damage during *Trypanosoma cruzi* infection: beneficial effects of TNF blockade. *Mem. Inst. Oswaldo Cruz*, 103: 375-385, 2008

Sales-Junior PA, Golgher D, Oliveira RV, Vieira V, Arantes RME, Lannes-Vieira J, Gazzinelli RT. The regulatory CD4+CD25+ T cells have a limited role on pathogenesis of infection with *Trypanosoma cruzi*. *Microbes and Infection*, 10: 680-688, 2008

Grynszpan D. As ciências da vida e a formação de recursos humanos: produção científica, educação e cidadania planetária/ Biólogos. 87, 8-8, 2008

## 2007

Silva AA, Roffé E, Santiago HC, Marino APMP, Kroll-Palhares K, Teixeira MM; Gazzinelli RT, Lannes-Vieira J. *Trypanosoma cruzi*-triggered meningoencephalitis is a CCR1/CCR5-independent inflammatory process. *Journal of Neuroimmunology*, 184: 156-163, 2007

Paiva CN, Harras RH, Lessa LP, Gibaldi D, Alves L, Gazzinelli RT, Pyrro A, Lannes-Vieira J, Bozza MT<sup>1</sup>. Unraveling the lethal synergism between *Trypanosoma cruzi* infection and LPS: a role for increased macrophage reactivity. *European Journal of Immunology*, 37: 1355-1364, 2007

[Costa MA](#), Barbosa-lima MCA, Fonseca SN, Sousa ICF. O Diálogo Como Instrumento de Percepção dos Problemas. Revista Saneamento Ambiental. XVII, 40-44, 2007

[Grynszpan D](#). Vivências em Tempo de Reprodução Assistida. Capítulo de livro. Revinter, 2007

## 2006

Quirico-Santos T, Cruz AM, Kubelka CF, [Lannes-Vieira J](#), Moraes M. Tropical Infectious Diseases. Cytokine Gene Polymorphisms in Multifactorial Conditions, CRC Press LLC, Vandebroeck K (Org). Londres, p. 413-429, 2006. Capítulo de livro

[Grynszpan D](#), [Stotz E](#). ABC na Educação Científica – Mão na Massa. Boletim do Acadêmico. 218, 3-3, 2006

[Grynszpan D](#). Educação Científica com apoio acadêmico. Boletim do Acadêmico. 217: 8-8, 2006

[Grynszpan D](#), [Stotz E](#), [Costa T](#). Naturalização e medicalização do corpo feminino: o controle social por meio da reprodução. Interface - Comunicação, Saúde, Educação.10, 363-380, 2006

[Grynszpan D](#). Mão na Massa começa pelas escolas da região Noroeste. Jornal Dois Estados Caderno 1, 3-3, 2006

[Grynszpan D](#). Trabalho de ciência do Colégio Estadual Deodato Linhares recebe reconhecimento no Rio de Janeiro/ 342, 8-8, 2006

## 2005

[Marino APMP](#), [Silva AA](#), [Santos PVA](#), Pinto LMO, Teixeira MM, Gazzinelli RT, [Lannes-Vieira J](#). CC-chemokine receptors: a potential therapeutic target for *Trypanosoma cruzi*-elicited myocarditis. Mem Inst Oswaldo Cruz, Brasil, 100: 93-96, 2005

[Grynszpan D](#). Instituições Acadêmicas e as Coleções Científicas como Patrimônio. I Simpósio Nacional de Coleções Científicas, Fiocruz, 2005

[Grynszpan D](#). Una ricerca da approfondire, reti da rafforzare. ECO, Itália, 1: 7-8, 2005.

[Grynszpan D](#), Souza CP de\*, Aranda M\*, Miranda LL de\*, da Costa HL. A Construção de Materiais didáticos no ensino de Biologia: Um estudo de caso do projeto " ABC na Educação Científica - Mão na Massa". Anais ENEBIO - III EREBIO. 309-311, 2005

[Grynszpan D](#), Azevedo S. Repensando a Prática na Construção de Seqüências Pedagógicas. I ENBIO - III EREBIO - Anais, 606-609, 2005

## 2004

Portugal LR, Fernandes LR, Cesar GC, Santiago HC, Oliveira DR, Silva N, [Silva AA](#), [Lannes-Vieira J](#), Gazzinelli RT, Alvarez-Leite JI. Infection with *Toxoplasma gondii* increases atherosclerotic lesion in APO e deficient mice. Infection and Immunity, 72: 3571-3576, 2004

[Michailowsky V](#), Celes MRN, [Marino APMP](#), [Silva AA](#), Vieira LQ, Rossi MA, Gazzinelli RT, [Lannes-Vieira J](#), Silva JS. ICAM-1 Deficiency Leads to Impaired Recruitment of T Lymphocytes and Enhanced Host Susceptibility to Infection with *Trypanosoma cruzi*. Journal of Immunology, 173: 463-470, 2004

[Marino APMP](#), [Silva AA](#), [Santos PVA](#), Pinto LMO, Gazzinelli RT, Teixiera MM, [Lannes-Vieira J](#). RANTES antagonist (Met-RANTES) controls the early phase of *Trypanosoma cruzi*-elicited myocarditis. Circulation, Estados Unidos, v. 110, n. 00, p. 1443-1449, 2004

Ayres-Martins S, [Lannes-Vieira J](#), Farias-de-Oliviera DA, Brito JM, VilaVerde DMS, Savino W. Phagocytic cells of the thymic reticulum interact with thymocytes via extracellular matrix ligands and receptors. Cellular Immunology, 229: 21-30, 2004

## 2003

Marino, A.P.M.P., Azevedo, M.I.P., Lannes-Vieira, J. Differential expression of adhesion molecules shaping the T-cell subset prevalence during the early phase of autoimmune and *Trypanosoma cruzi*-elicited myocarditis. *Memórias do Instituto Oswaldo Cruz*, vol 98:945-952, 2003

Roffê, E., Silva A.A., Marino, A.P.M.P., Santos, P.V.A., Lannes-Vieira, J. Essential role of VLA-4/VCAM-1 pathway in the establishment of CD8+ T-cell-mediated *Trypanosoma cruzi*-elicited meningoencephalitis. *Journal of Neuroimmunology*, 142: 17-30, 2003.

Fachado, A.F., Rodriguez, A., Molina, J., Silverio, J.C., Marino, A.P.M.P., Pinto, L.M.O., Angel, S.O., Traub, Y.C., Amendoeira, M.R., Lannes-Vieira, J. Long-term protective immune response elicited by vaccination with an expression genomic library of *Toxoplasma gondii*. *Infection and Immunity* 71: 5407-5411, 2003

Carvalho C.M.E., Andrade M.C.R., Xavier S.S., Mangia R.H.R., Britto C.C., Jansen A.M., Fernandes O., Lannes-Vieira J., Bonecini-Almeida M.G. Chronic Chagas' disease in rhesus monkeys (*Macaca mulatta*): evaluation of parasitemia, serology, ECG, echocardiography and radiology. *American Journal of Tropical Medicine and Hygiene*, 68:683-691, 2003.

Fachado A., Rodriguez, A., Angel, S.O., Costa-Pinto, D., Vila, I., Acosta, A., Amendoeira, R., Lannes-Vieira, J. Alejandro Rodriguez, Sergio O. Angel, Damar C. Pinto Iviane Vila, Armando Acosta, Regina M. Amendoeira and Joseli Lannes-Vieira. Protective effect of a naked DNA vaccine cocktail against lethal toxoplasmosis in mice. *Vaccine* 21:1327-1335, 2003

Lannes-Vieira J. *Trypanosoma cruzi*-elicited CD8<sup>+</sup>T Cell-Mediated Myocarditis: Chemokine Receptors and Adhesion Molecules as Potential Therapeutic Targets to Control Chronic Inflammation? *Memórias do Instituto Oswaldo Cruz*, 98: 299-304, 2003

Marino, A.P.M.P., Silva A.A., Pinho, R.T., Lannes-Vieira, J. *Trypanosoma cruzi* infection: a continuous invader-host cell cross talk with participation of extracellular matrix, and adhesion and chemoattractant molecules. *Brazilian Journal of Medical and Biological Research*, 36:1121-1133, 2003

Rozenfeld C., Martinez, R., Figueiredo, R.T., Bozza, M.T., Silva, P.M., Bonomo, A., Lannes-Vieira, J., Souza, W., Moura-Neto, V. Soluble factors released by *Toxoplasma gondii*-infected astrocytes down-modulate nitric oxide production by gamma interferon-activated microglia and prevent neuronal degeneration. *Infection and Immunity* 71:2047-2057, 2003

Paiva CN, Pyrro, A., Lannes-Vieira, J., Vacchio, M., Soares, M.B.P., Gatass, C. *Trypanosoma cruzi* sensitizes mice to fulminant SEB-induced shock: overrelease of inflammatory cytokines and independence of Chagas' disease or TCR-Vbeta usage. *Shock*, 19:163-168, 2003

## 2002

Pinho RT, Vannier-Santos MA, Alves CR, Marino APMP, Castello Branco LRR & Lannes-Vieira J. Effect of *Trypanosoma cruzi* released antigens binding to non infected cells on anti-parasite antibody recognition and expression of extracellular matrix components. *Acta Tropica*, 83:103-115, 2002.

## 2001

Aliberti JC, Souto JT, Marino APMP, Lannes-Vieira J, Teixeira MM, Farber J, Gazzinelli RT & Silva JS. "Modulation of chemokine production and inflammatory responses in IFN- $\gamma$  and TNF-R1 deficient mice during *Trypanosoma cruzi* infection". *American Journal of Pathology*, 158:1433-1440, 2001

dos Santos PVA, Roffê E, Santiago HC, Torres RA, Marino APMP, Paiva CN, Silva AA, Gazzinelli RT & Lannes-Vieira J. "Prevalence of CD8+alpha beta T cells in *Trypanosoma cruzi*-elicited myocarditis is associated with acquisition of CD62L<sup>Low</sup>LFA-1<sup>High</sup>VLA-4<sup>High</sup> activation phenotype

and expression of IFN- $\gamma$ -inducible adhesion and chemoattractant molecules". *Microbes and Infection*, 3 (12): 971-984, 2001

Michailowsky V, Silva NM, Dutra CD, Vieira LQ, Lannes-Vieira J & Gazzinelli RT. "Pivotal role of interleukin-12 and interferon- $\gamma$  axis in controlling tissue parasitism and inflammation in the heart and central nervous system during *Trypanosoma cruzi* infection". *American Journal of Pathology* 159: 1723-1733, 2001

## 2000

Talvani A, Ribeiro CS, Aliberti JCS, dos Santos PVA, Michailowsky V, Farber J, Lannes-Vieira J, Silva JS & Gazzinelli RT. "Kinetics of cytokine gene expression in experimental chagasic cardiomyopathy: tissue parasitism and endogenous IFN-gama as important determinants of chemokine mRNA expression during infection with *Trypanosoma cruzi*". *Microbes and Infection* 2:851-866, 2000

## 1999

Paiva CN, Castelo-Branco MTL, [Lannes-Vieira J](#) & Gatass CR. "Vaccination with *T. cruzi*: protective response of vaccinated mice is mediated by CD8+ cells, prevents signs of polyclonal T lymphocyte activation, and allows restoration of a resting immune state after challenge". *Experimental Parasitology* 91: 7-19, 1999

[Silva AA, Marino APMP, Santos PVA, Roffê E, Quirico-Santos T, Paiva CN & Lannes-Vieira J.](#) "Chagas'disease encephalitis: intense CD8+ lymphocytic infiltrate is restricted to acute phase, but is not related to the presence of *T. cruzi* antigens". *Clinical Immunology*, 92: 56-66, 1999

[AA Silva, E Roffê & J Lannes-Vieira.](#) "Expression of extracellular matrix components and their receptors in central nervous system during experimental *Toxoplasma gondii* and *Trypanosoma cruzi* infection. *Brazilian Journal of Medical and Biological Research*, 32: 593-600, 1999

[Paiva CN, Castelo-Branco MTL, Rocha JA, Lannes-Vieira J & Gatass CR.](#) "*Trypanosoma cruzi*: lack of T cell abnormalities in mice vaccinated with live trypomastigotes". *Parasitology Research*, 85: 1012-1017, 1999

## 1998

Alberti E, Acosta A, Sarmiento ME, Hidalgo C, Vidal T, [Fachado A](#), Fonte L, Izquierdo L, Infante JF, Finlay CM & Sierra G. "Specific cellular and humoral immune response in Balb/c mice immunized with an expression genomic library of *Trypanosoma cruzi*". *Vaccine* 16 (6): 608-612, 1998