

# Bruno Mendes Roatt

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99  
papers

1,580  
citations

24  
h-index

32  
g-index

100  
ext. papers

1,988  
ext. citations

3.6  
avg, IF

4.19  
L-index

#	Paper	IF	Citations
99	Immunochemotherapy for visceral leishmaniasis: combinatorial action of Miltefosine plus LBSapMPL vaccine improves adaptative Th1 immune response with control of splenic parasitism in experimental hamster model.. <i>Parasitology</i> , <b>2022</b> , 149, 371-379	2.7	1
98	Recombinant guanosine-5-triphosphate (GTP)-binding protein associated with Poloxamer 407-based polymeric micelles protects against <i>Leishmania infantum</i> infection.. <i>Cytokine</i> , <b>2022</b> , 153, 155865	4	0
97	Down regulation of IL-10 and TGF- $\beta$ mRNA expression associated with reduced inflammatory process correlates with control of parasitism in the liver after treating <i>L. infantum</i> infected dogs with the LBMPL vaccine therapy.. <i>Cytokine</i> , <b>2022</b> , 153, 155838	4	
96	A recombinant <i>Leishmania amastigote</i> -specific protein, rLiHyG, with adjuvants, protects against infection with <i>Leishmania infantum</i> .. <i>Acta Tropica</i> , <b>2022</b> , 230, 106412	3.2	0
95	<i>Leishmania</i> LiHyC protein is immunogenic and induces protection against visceral leishmaniasis.. <i>Parasite Immunology</i> , <b>2022</b> , e12921	2.2	0
94	Flau-A, a naphthoquinone derivative, is a promising therapeutic candidate against visceral leishmaniasis: A preliminary study.. <i>Experimental Parasitology</i> , <b>2021</b> , 233, 108205	2.1	0
93	Heterologous vaccine therapy associated with half course of Miltefosine promote activation of the proinflammatory response with control of splenic parasitism in a hamster model of visceral leishmaniasis.. <i>Current Research in Immunology</i> , <b>2021</b> , 2, 194-201	1	1
92	Comparative evaluation of meglumine antimoniate encapsulated in a mixture of conventional and PEGylated liposomes and immunotherapy using an anti-canine IL-10 receptor-blocking monoclonal antibody on canine visceral leishmaniasis. <i>Molecular Immunology</i> , <b>2021</b> , 141, 70-78	4.3	0
91	Acarbose presents in vitro and in vivo antileishmanial activity against <i>Leishmania infantum</i> and is a promising therapeutic candidate against visceral leishmaniasis. <i>Medical Microbiology and Immunology</i> , <b>2021</b> , 210, 133-147	4	2
90	A chimeric vaccine combined with adjuvant system induces immunogenicity and protection against visceral leishmaniasis in BALB/c mice. <i>Vaccine</i> , <b>2021</b> , 39, 2755-2763	4.1	4
89	Digitoxigenin presents an effective and selective antileishmanial action against <i>Leishmania infantum</i> and is a potential therapeutic agent for visceral leishmaniasis. <i>Parasitology Research</i> , <b>2021</b> , 120, 321-335	2.4	4
88	Ivermectin presents effective and selective antileishmanial activity in vitro and in vivo against <i>Leishmania infantum</i> and is therapeutic against visceral leishmaniasis. <i>Experimental Parasitology</i> , <b>2021</b> , 221, 108059	2.1	4
87	Establishment of monoclonal antibodies to evaluate the cellular immunity in a hamster model of <i>L. infantum</i> infection. <i>Parasite Immunology</i> , <b>2021</b> , 43, e12823	2.2	3
86	<i>Leishmania</i> eukaryotic elongation Factor-1 beta protein is immunogenic and induces parasitological protection in mice against <i>Leishmania infantum</i> infection. <i>Microbial Pathogenesis</i> , <b>2021</b> , 151, 104745	3.8	1
85	IL-10 receptor blockade controls the in vitro infectivity of <i>Leishmania infantum</i> and promotes a Th1 activation in PBMC of dogs with visceral leishmaniasis. <i>Molecular Immunology</i> , <b>2021</b> , 137, 20-27	4.3	1
84	In vitro and in vivo antileishmanial activity of $\beta$ -acetyl-digitoxin, a cardenolide of <i>Digitalis lanata</i> potentially useful to treat visceral leishmaniasis. <i>Parasite</i> , <b>2021</b> , 28, 38	3	3
83	Liposomal Formulation of ChimeraT, a Multiple T-Cell Epitope-Containing Recombinant Protein, Is a Candidate Vaccine for Human Visceral Leishmaniasis. <i>Vaccines</i> , <b>2020</b> , 8,	5.3	8

82	Evaluation of the protective efficacy of a Leishmania protein associated with distinct adjuvants against visceral leishmaniasis and in vitro immunogenicity in human cells. <i>Parasitology Research</i> , <b>2020</b> , 119, 2609-2622	2.4	2
81	Chimeric Vaccines Designed by Immunoinformatics-Activated Polyfunctional and Memory T Cells That Trigger Protection against Experimental Visceral Leishmaniasis. <i>Vaccines</i> , <b>2020</b> , 8,	5.3	9
80	Leishmania infantum pyridoxal kinase evaluated in a recombinant protein and DNA vaccine to protects against visceral leishmaniasis. <i>Molecular Immunology</i> , <b>2020</b> , 124, 161-171	4.3	4
79	Leishmania infantum amastin protein incorporated in distinct adjuvant systems induces protection against visceral leishmaniasis. <i>Cytokine</i> , <b>2020</b> , 129, 155031	4	7
78	A clioquinol-containing Pluronic F127 polymeric micelle system is effective in the treatment of visceral leishmaniasis in a murine model. <i>Parasite</i> , <b>2020</b> , 27, 29	3	13
77	Phase I and II Clinical Trial Comparing the LBSap, Leishmune, and Leish-Tec Vaccines against Canine Visceral Leishmaniasis. <i>Vaccines</i> , <b>2020</b> , 8,	5.3	1
76	Parasitological and immunological evaluation of a novel chemotherapeutic agent against visceral leishmaniasis. <i>Parasite Immunology</i> , <b>2020</b> , 42, e12784	2.2	4
75	A candidate vaccine for human visceral leishmaniasis based on a specific T cell epitope-containing chimeric protein protects mice against infection. <i>Npj Vaccines</i> , <b>2020</b> , 5, 75	9.5	13
74	A Leishmania amastigote-specific hypothetical protein evaluated as recombinant protein plus Th1 adjuvant or DNA plasmid-based vaccine to protect against visceral leishmaniasis. <i>Cellular Immunology</i> , <b>2020</b> , 356, 104194	4.4	2
73	Liver infusion tryptose (LIT): the best choice for growth, viability, and infectivity of Leishmania infantum parasites. <i>Parasitology Research</i> , <b>2020</b> , 119, 4185-4195	2.4	3
72	Recent advances and new strategies on leishmaniasis treatment. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 8965-8977	5.7	34
71	Recent advances and new strategies in Leishmaniasis diagnosis. <i>Applied Microbiology and Biotechnology</i> , <b>2020</b> , 104, 8105-8116	5.7	12
70	Effect on cellular recruitment and the innate immune response by combining saponin, monophosphoryl lipid-A and Incomplete Freund's Adjuvant with Leishmania (Viannia) braziliensis antigens for a vaccine formulation. <i>Vaccine</i> , <b>2019</b> , 37, 7269-7279	4.1	4
69	Canine visceral leishmaniasis biomarkers and their employment in vaccines. <i>Veterinary Parasitology</i> , <b>2019</b> , 271, 87-97	2.8	15
68	Neutrophil properties in healthy and Leishmania infantum-naturally infected dogs. <i>Scientific Reports</i> , <b>2019</b> , 9, 6247	4.9	6
67	Immunodiagnosis of human and canine visceral leishmaniasis using recombinant Leishmania infantum Prohibitin protein and a synthetic peptide containing its conformational B-cell epitope. <i>Journal of Immunological Methods</i> , <b>2019</b> , 474, 112641	2.5	9
66	Synthetic Peptides Elicit Strong Cellular Immunity in Visceral Leishmaniasis Natural Reservoir and Contribute to Long-Lasting Polyfunctional T-Cells in BALB/c Mice. <i>Vaccines</i> , <b>2019</b> , 7,	5.3	10
65	Immunization with the HisAK70 DNA Vaccine Induces Resistance against Infection in BALB/c Mice. <i>Vaccines</i> , <b>2019</b> , 7,	5.3	9

64	High-through identification of T cell-specific phage-exposed mimotopes using PBMCs from tegumentary leishmaniasis patients and their use as vaccine candidates against <i>Leishmania amazonensis</i> infection. <i>Parasitology</i> , <b>2019</b> , 146, 322-332	2.7	10
63	Immunogenicity and protective efficacy of a new <i>Leishmania</i> hypothetical protein applied as a DNA vaccine or in a recombinant form against <i>Leishmania infantum</i> infection. <i>Molecular Immunology</i> , <b>2019</b> , 106, 108-118	4.3	11
62	A Pluronic <sup>®</sup> F127-based polymeric micelle system containing an antileishmanial molecule is immunotherapeutic and effective in the treatment against <i>Leishmania amazonensis</i> infection. <i>Parasitology International</i> , <b>2019</b> , 68, 63-72	2.1	15
61	In vivo antileishmanial efficacy of a naphthoquinone derivate incorporated into a Pluronic F127-based polymeric micelle system against <i>Leishmania amazonensis</i> infection. <i>Biomedicine and Pharmacotherapy</i> , <b>2019</b> , 109, 779-787	7.5	21
60	Comparing the therapeutic efficacy of different amphotericin B-carrying delivery systems against visceral leishmaniasis. <i>Experimental Parasitology</i> , <b>2018</b> , 186, 24-35	2.1	23
59	Peptide Vaccines for Leishmaniasis. <i>Frontiers in Immunology</i> , <b>2018</b> , 9, 1043	8.4	31
58	A <i>Leishmania</i> hypothetical protein-containing liposome-based formulation is highly immunogenic and induces protection against visceral leishmaniasis. <i>Cytokine</i> , <b>2018</b> , 111, 131-139	4	17
57	Comparative analysis of real-time PCR assays in the detection of canine visceral leishmaniasis. <i>Parasitology Research</i> , <b>2018</b> , 117, 3341-3346	2.4	3
56	Recombinant prohibitin protein of <i>Leishmania infantum</i> acts as a vaccine candidate and diagnostic marker against visceral leishmaniasis. <i>Cellular Immunology</i> , <b>2018</b> , 323, 59-69	4.4	27
55	Vaccination with a CD4 and CD8 T-cell epitopes-based recombinant chimeric protein derived from <i>Leishmania infantum</i> proteins confers protective immunity against visceral leishmaniasis. <i>Translational Research</i> , <b>2018</b> , 200, 18-34	11	20
54	Evaluation of a <i>Leishmania</i> hypothetical protein administered as DNA vaccine or recombinant protein against <i>Leishmania infantum</i> infection and its immunogenicity in humans. <i>Cellular Immunology</i> , <b>2018</b> , 331, 67-77	4.4	6
53	Comparative genomics of canine-isolated <i>Leishmania</i> ( <i>Leishmania</i> ) <i>amazonensis</i> from an endemic focus of visceral leishmaniasis in Governador Valadares, southeastern Brazil. <i>Scientific Reports</i> , <b>2017</b> , 7, 40804	4.9	41
52	Evaluation of a hypothetical protein for serodiagnosis and as a potential marker for post-treatment serological evaluation of tegumentary leishmaniasis patients. <i>Parasitology Research</i> , <b>2017</b> , 116, 1197-1206 <sup>†</sup>	2.4	14
51	Impact of dose and surface features on plasmatic and liver concentrations of biodegradable polymeric nanocapsules. <i>European Journal of Pharmaceutical Sciences</i> , <b>2017</b> , 105, 19-32	5.1	10
50	An ELISA immunoassay employing a conserved <i>Leishmania</i> hypothetical protein for the serodiagnosis of visceral and tegumentary leishmaniasis in dogs and humans. <i>Cellular Immunology</i> , <b>2017</b> , 318, 42-48	4.4	17
49	Performance of <i>Leishmania braziliensis</i> enolase protein for the serodiagnosis of canine and human visceral leishmaniasis. <i>Veterinary Parasitology</i> , <b>2017</b> , 238, 77-81	2.8	7
48	Probing the efficacy of a heterologous <i>Leishmania/L. Viannia braziliensis</i> recombinant enolase as a candidate vaccine to restrict the development of <i>L. infantum</i> in BALB/c mice. <i>Acta Tropica</i> , <b>2017</b> , 171, 8-16	3.2	11
47	A recombinant fusion protein displaying murine and human MHC class I- and II-specific epitopes protects against <i>Leishmania amazonensis</i> infection. <i>Cellular Immunology</i> , <b>2017</b> , 313, 32-42	4.4	16

46	Recombinant small glutamine-rich tetratricopeptide repeat-containing protein of <i>Leishmania infantum</i> : Potential vaccine and diagnostic application against visceral leishmaniasis. <i>Molecular Immunology</i> , <b>2017</b> , 91, 272-281	4.3	10
45	Selection strategy of phage-displayed immunogens based on an in vitro evaluation of the Th1 response of PBMCs and their potential use as a vaccine against <i>Leishmania infantum</i> infection. <i>Parasites and Vectors</i> , <b>2017</b> , 10, 617	4	14
44	Mixed Formulation of Conventional and Pegylated Meglumine Antimoniote-Containing Liposomes Reduces Inflammatory Process and Parasite Burden in <i>Leishmania infantum</i> -Infected BALB/c Mice. <i>Antimicrobial Agents and Chemotherapy</i> , <b>2017</b> , 61,	5.9	12
43	Association between mast cells, tissue remodeling and parasite burden in the skin of dogs with visceral leishmaniasis. <i>Veterinary Parasitology</i> , <b>2017</b> , 243, 260-266	2.8	5
42	A recombinant chimeric protein composed of human and mice-specific CD4 and CD8 T-cell epitopes protects against visceral leishmaniasis. <i>Parasite Immunology</i> , <b>2017</b> , 39, e12359	2.2	30
41	A vaccine composed of a hypothetical protein and the eukaryotic initiation factor 5a from <i>Leishmania braziliensis</i> cross-protection against <i>Leishmania amazonensis</i> infection. <i>Immunobiology</i> , <b>2017</b> , 222, 251-260	3.4	12
40	<i>Leishmania infantum</i> mimotopes and a phage-ELISA assay as tools for a sensitive and specific serodiagnosis of human visceral leishmaniasis. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2017</b> , 87, 219-225	2.9	21
39	A Vaccine Therapy for Canine Visceral Leishmaniasis Promoted Significant Improvement of Clinical and Immune Status with Reduction in Parasite Burden. <i>Frontiers in Immunology</i> , <b>2017</b> , 8, 217	8.4	26
38	Poloxamer 407 (Pluronic(®) F127)-based polymeric micelles for amphotericin B: In vitro biological activity, toxicity and in vivo therapeutic efficacy against murine tegumentary leishmaniasis. <i>Experimental Parasitology</i> , <b>2016</b> , 169, 34-42	2.1	30
37	Cross-protective efficacy from an immunogen firstly identified in <i>Leishmania infantum</i> against tegumentary leishmaniasis. <i>Parasite Immunology</i> , <b>2016</b> , 38, 108-17	2.2	3
36	A new <i>Leishmania</i> -specific hypothetical protein and its non-described specific B cell conformational epitope applied in the serodiagnosis of canine visceral leishmaniasis. <i>Parasitology Research</i> , <b>2016</b> , 115, 1649-58	2.4	24
35	Cross-protective efficacy of <i>Leishmania infantum</i> LiHyD protein against tegumentary leishmaniasis caused by <i>Leishmania major</i> and <i>Leishmania braziliensis</i> species. <i>Acta Tropica</i> , <b>2016</b> , 158, 220-230	3.2	12
34	An effective in vitro and in vivo antileishmanial activity and mechanism of action of 8-hydroxyquinoline against <i>Leishmania</i> species causing visceral and tegumentary leishmaniasis. <i>Veterinary Parasitology</i> , <b>2016</b> , 217, 81-8	2.8	31
33	A new <i>Leishmania</i> -specific hypothetical protein, LiHyT, used as a vaccine antigen against visceral leishmaniasis. <i>Acta Tropica</i> , <b>2016</b> , 154, 73-81	3.2	18
32	Recent updates and perspectives on approaches for the development of vaccines against visceral leishmaniasis. <i>Revista Da Sociedade Brasileira De Medicina Tropical</i> , <b>2016</b> , 49, 398-407	1.5	37
31	Impact of LbSapSal Vaccine in Canine Immunological and Parasitological Features before and after <i>Leishmania chagasi</i> -Challenge. <i>PLoS ONE</i> , <b>2016</b> , 11, e0161169	3.7	8
30	A vaccine combining two <i>Leishmania braziliensis</i> proteins offers heterologous protection against <i>Leishmania infantum</i> infection. <i>Molecular Immunology</i> , <b>2016</b> , 76, 70-9	4.3	22
29	An 8-hydroxyquinoline-containing polymeric micelle system is effective for the treatment of murine tegumentary leishmaniasis. <i>Parasitology Research</i> , <b>2016</b> , 115, 4083-4095	2.4	21

28	Multicomponent LBSap vaccine displays immunological and parasitological profiles similar to those of Leish-Tec <sup>®</sup> and Leishmune <sup>®</sup> vaccines against visceral leishmaniasis. <i>Parasites and Vectors</i> , <b>2016</b> , 9, 472	4	11
27	Clinical, hematological and biochemical alterations in hamster ( <i>Mesocricetus auratus</i> ) experimentally infected with <i>Leishmania infantum</i> through different routes of inoculation. <i>Parasites and Vectors</i> , <b>2016</b> , 9, 181	4	26
26	New serological tools for improved diagnosis of human tegumentary leishmaniasis. <i>Journal of Immunological Methods</i> , <b>2016</b> , 434, 39-45	2.5	16
25	Treatment of murine visceral leishmaniasis using an 8-hydroxyquinoline-containing polymeric micelle system. <i>Parasitology International</i> , <b>2016</b> , 65, 728-736	2.1	29
24	Prophylactic properties of a <i>Leishmania</i> -specific hypothetical protein in a murine model of visceral leishmaniasis. <i>Parasite Immunology</i> , <b>2015</b> , 37, 646-56	2.2	30
23	Dogs infected with the blood trypomastigote form of <i>Trypanosoma cruzi</i> display an increase expression of cytokines and chemokines plus an intense cardiac parasitism during acute infection. <i>Molecular Immunology</i> , <b>2014</b> , 58, 92-7	4.3	9
22	Immunological profile of resistance and susceptibility in naturally infected dogs by <i>Leishmania infantum</i> . <i>Veterinary Parasitology</i> , <b>2014</b> , 205, 472-82	2.8	33
21	Shotgun proteomics to unravel the complexity of the <i>Leishmania infantum</i> exoproteome and the relative abundance of its constituents. <i>Molecular and Biochemical Parasitology</i> , <b>2014</b> , 195, 43-53	1.9	15
20	LBSapSal-vaccinated dogs exhibit increased circulating T-lymphocyte subsets (CD4+ and CD8+) as well as a reduction of parasitism after challenge with <i>Leishmania infantum</i> plus salivary gland of <i>Lutzomyia longipalpis</i> . <i>Parasites and Vectors</i> , <b>2014</b> , 7, 61	4	19
19	Cellular immunophenotypic profile in the splenic compartment during canine visceral leishmaniasis. <i>Veterinary Immunology and Immunopathology</i> , <b>2014</b> , 157, 190-6	2	9
18	The TcI and TcII <i>Trypanosoma cruzi</i> experimental infections induce distinct immune responses and cardiac fibrosis in dogs. <i>Memorias Do Instituto Oswaldo Cruz</i> , <b>2014</b> , 109, 1005-13	2.6	22
17	Immunotherapy and Immunochemotherapy in Visceral Leishmaniasis: Promising Treatments for this Neglected Disease. <i>Frontiers in Immunology</i> , <b>2014</b> , 5, 272	8.4	52
16	Evaluation of change in canine diagnosis protocol adopted by the visceral leishmaniasis control program in Brazil and a new proposal for diagnosis. <i>PLoS ONE</i> , <b>2014</b> , 9, e91009	3.7	47
15	Molecular diagnosis of canine visceral leishmaniasis: a comparative study of three methods using skin and spleen from dogs with natural <i>Leishmania infantum</i> infection. <i>Veterinary Parasitology</i> , <b>2013</b> , 197, 498-503	2.8	35
14	Canine visceral leishmaniasis: incidence and risk factors for infection in a cohort study in Brazil. <i>Veterinary Parasitology</i> , <b>2013</b> , 197, 411-7	2.8	25
13	Dogs immunized with LBSap vaccine displayed high levels of IL-12 and IL-10 cytokines and CCL4, CCL5 and CXCL8 chemokines in the dermis. <i>Molecular Immunology</i> , <b>2013</b> , 56, 540-8	4.3	9
12	Analysis using canine peripheral blood for establishing in vitro conditions for monocyte differentiation into macrophages for <i>Leishmania chagasi</i> infection and T-cell subset purification. <i>Veterinary Parasitology</i> , <b>2013</b> , 198, 62-71	2.8	14
11	Prednisolone and cyclosporine A: effects on an experimental model of ancylostomiasis. <i>Experimental Parasitology</i> , <b>2013</b> , 133, 80-8	2.1	4

10	Cytokine and nitric oxide patterns in dogs immunized with LBSap vaccine, before and after experimental challenge with <i>Leishmania chagasi</i> plus saliva of <i>Lutzomyia longipalpis</i> . <i>Veterinary Parasitology</i> , <b>2013</b> , 198, 371-81	2.8	17
9	Effect of the preservative and temperature conditions on the stability of <i>Leishmania infantum</i> promastigotes antigens applied in a flow cytometry diagnostic method for canine visceral leishmaniasis. <i>Diagnostic Microbiology and Infectious Disease</i> , <b>2013</b> , 76, 470-6	2.9	5
8	Evaluation of a prototype flow cytometry test for serodiagnosis of canine visceral leishmaniasis. <i>Vaccine Journal</i> , <b>2013</b> , 20, 1792-8		11
7	Clinical forms of canine visceral Leishmaniasis in naturally <i>Leishmania infantum</i> -infected dogs and related myelogram and hemogram changes. <i>PLoS ONE</i> , <b>2013</b> , 8, e82947	3.7	31
6	Parasite burden in hamsters infected with two different strains of leishmania ( <i>Leishmania infantum</i> ): "Leishman Donovan units" versus real-time PCR. <i>PLoS ONE</i> , <b>2012</b> , 7, e47907	3.7	45
5	Performance of LBSap vaccine after intradermal challenge with <i>L. infantum</i> and saliva of <i>Lu. longipalpis</i> : immunogenicity and parasitological evaluation. <i>PLoS ONE</i> , <b>2012</b> , 7, e49780	3.7	37
4	Prevalence and factors associated with <i>Leishmania infantum</i> infection of dogs from an urban area of Brazil as identified by molecular methods. <i>PLoS Neglected Tropical Diseases</i> , <b>2011</b> , 5, e1291	4.8	98
3	Histological study of cell migration in the dermis of hamsters after immunisation with two different vaccines against visceral leishmaniasis. <i>Veterinary Immunology and Immunopathology</i> , <b>2009</b> , 128, 418-24 <sup>2</sup>		10
2	A killed <i>Leishmania</i> vaccine with sand fly saliva extract and saponin adjuvant displays immunogenicity in dogs. <i>Vaccine</i> , <b>2008</b> , 26, 623-38	4.1	41
1	Immunogenicity of a killed <i>Leishmania</i> vaccine with saponin adjuvant in dogs. <i>Vaccine</i> , <b>2007</b> , 25, 7674-86 <sup>4.1</sup>		55