



JORGE ALBERTO BARRIOS PAYAN

Datos Generales

Nombre: JORGE ALBERTO BARRIOS PAYAN

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 9 años

Nombramientos

Vigente: PROFESOR ASIGNATURA A TP No Definitivo
Facultad de Ciencias
Desde 16-04-2022

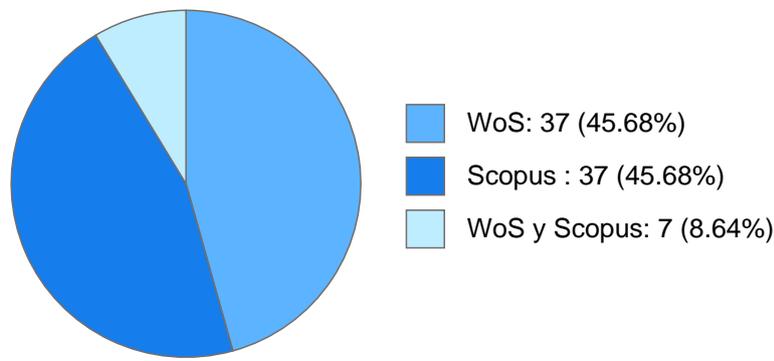
Estímulos, programas, premios y reconocimientos

SNI | 2018 - 2024

JORGE ALBERTO BARRIOS PAYAN

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Impaired control of <i>Mycobacterium tuberculosis</i> infection in mast cell-deficient Kit ^{W-sh/Wsh} mice	JORGE ALBERTO BARRIOS PAYAN LUIS DONIS MATURANO SONIA MAYRA PEREZ TAPIA et al.	Tuberculosis	2025
2	Effect of IL-17A on the immune response to pulmonary tuberculosis induced by high- and low-virulence strains of <i>Mycobacterium bovis</i>	YADIRA ROCIO RODRIGUEZ MIGUEZ VASTI LOZANO ORDAZ JORGE ALBERTO BARRIOS PAYAN et al.	PLOS ONE	2024
3	Acute lung injury is prevented by monocyte locomotion inhibitory factor in an experimental severe malaria mouse model	MARTHA JACKELINE PEREZ VEGA ISMAEL MANCILLA HERRERA JORGE ALBERTO BARRIOS PAYAN et al.	Immunobiology	2024
4	Baculovirus-mediated expression of a <i>Helicobacter pylori</i> protein-based multi-epitope hybrid gene induces a potent B cell response in mice	JORGE ALBERTO BARRIOS PAYAN ANA RUTH PASTOR FLORES LAURA ALICIA PALOMARES AGUILERA et al.	Immunobiology	2023
5	Beneficial or detrimental activity of regulatory T cells, indoleamine 2,3-dioxygenase, and heme oxygenase-1 in the lungs is influenced by the level of virulence of <i>Mycobacterium tuberculosis</i> strain infection	VASTI LOZANO ORDAZ YADIRA ROCIO RODRIGUEZ MIGUEZ VIRIDIANA SUJHEY HERNANDEZ BAZAN et al.	FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY	2023

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6	Effect of Low Doses of Dexamethasone on Experimental Pulmonary Tuberculosis	JORGE ALBERTO BARRIOS PAYAN DULCE ADRIANA MATA ESPINOSA VASTI LOZANO ORDAZ et al.	Microorganism s	2023
7	Application of Baculovirus Vectors in the Prevention of Gastrointestinal Diseases	JORGE ALBERTO BARRIOS PAYAN ANA RUTH PASTOR FLORES LAURA ALICIA PALOMARES AGUILERA et al.	MOLECULAR THERAPY	2023
8	Thymic atrophy induced by <i>Plasmodium berghei</i> ANKA and <i>Plasmodium yoelii</i> 17XL infection	MARTHA JACKELINE PEREZ VEGA ISMAEL MANCILLA HERRERA JORGE ALBERTO BARRIOS PAYAN et al.	IMMUNOLOGY LETTERS	2023
9	Close Related Drug-Resistance Beijing Isolates of Mycobacterium tuberculosis Reveal a Different Transcriptomic Signature in a Murine Disease Progression Model	JORGE ALBERTO BARRIOS PAYAN ADRIAN OCHOA LEYVA ROGELIO HERNANDEZ PANDO et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022
10	Effect of Curcumin in Experimental Pulmonary Tuberculosis: Antimycobacterial Activity in the Lungs and Anti-Inflammatory Effect in the Brain	JACQUELINE VIRIDIANA LARA ESPINOSA MANUEL OTHONIEL LOPEZ TORRES VASTI LOZANO ORDAZ et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022
11	Immune Regulatory Effect of Osteopontin Gene Therapy in a Murine Model of Multidrug Resistant Pulmonary Tuberculosis	VIRIDIANA SUJHEY HERNANDEZ BAZAN DULCE ADRIANA MATA ESPINOSA VASTI LOZANO ORDAZ et al.	HUMAN GENE THERAPY	2022
12	The ctpF Gene Encoding a Calcium P-Type ATPase of the Plasma Membrane Contributes to Full Virulence of Mycobacterium tuberculosis	DULCE ADRIANA MATA ESPINOSA MANUEL OTHONIEL LOPEZ TORRES JORGE ALBERTO BARRIOS PAYAN et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022
13	Immunotherapeutic effect of adenovirus encoding antimicrobial peptides in experimental pulmonary tuberculosis	DULCE ADRIANA MATA ESPINOSA MANUEL OTHONIEL LOPEZ TORRES VIRIDIANA SUJHEY HERNANDEZ BAZAN et al.	JOURNAL OF LEUKOCYTE BIOLOGY	2021
14	Activity of semi-synthetic mulinanes against mdr, pre-xdr, and xdr strains of mycobacterium tuberculosis	ROGELIO HERNANDEZ PANDO JORGE ALBERTO BARRIOS PAYAN DULCE ADRIANA MATA ESPINOSA et al.	Metabolites	2021
15	ETHICAL CONSIDERATIONS IN ANIMAL RESEARCH: THE PRINCIPLE OF 3R'S	ELENA ZAMBRANO GONZALEZ VICTOR JULIAN VALDES RODRIGUEZ GERARDO GAMBA AYALA et al.	REVISTA DE INVESTIGACION CLINICA-CLINIC AL AND TRANSLATIONAL INVESTIGATION	2021

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16	The Cholinergic System Contributes to the Immunopathological Progression of Experimental Pulmonary Tuberculosis	LEON DAVID ISLAS WEINSTEIN BRENDA NOEMI MARQUINA CASTILLO DULCE ADRIANA MATA ESPINOSA et al.	FRONTIERS IN IMMUNOLOGY	2021
17	Vaccination with BCG BCG1419c protects against pulmonary and extrapulmonary TB and is safer than BCG	JORGE ALBERTO BARRIOS PAYAN Aceves-Sánchez M.J. Flores-Valdez M.A. et al.	SCIENTIFIC REPORTS	2021
18	Targeted rna-seq reveals the m. Tuberculosis transcriptome from an in vivo infection model	DULCE ADRIANA MATA ESPINOSA JORGE ALBERTO BARRIOS PAYAN BRENDA NOEMI MARQUINA CASTILLO et al.	BIOLOGY-BASEL	2021
19	16 α -Bromoepiandrosterone as a new candidate for experimental diabetes? tuberculosis co-morbidity treatment	MANUEL OTHONIEL LOPEZ TORRES BRENDA NOEMI MARQUINA CASTILLO DULCE ADRIANA MATA ESPINOSA et al.	CLINICAL AND EXPERIMENTAL IMMUNOLOGY	2021
20	Monocyte Locomotion Inhibitory Factor confers neuroprotection and prevents the development of murine cerebral malaria	BRENDA NOEMI MARQUINA CASTILLO JORGE ALBERTO BARRIOS PAYAN SARA HUERTA YEPEZ et al.	INTERNATIONAL IMMUNOPHARMACOLOGY	2021
21	BCG and BCG BCG1419c protect type 2 diabetic mice against tuberculosis via different participation of T and B lymphocytes, dendritic cells and pro-inflammatory cytokines	BRENDA NOEMI MARQUINA CASTILLO VASTI LOZANO ORDAZ DULCE ADRIANA MATA ESPINOSA et al.	Npj Vaccines	2020
22	Construction and characterization of the mycobacterium tuberculosis sigE fadD26 unmarked double mutant as a vaccine candidate	ROGELIO HERNANDEZ PANDO DULCE ADRIANA MATA ESPINOSA BRENDA NOEMI MARQUINA CASTILLO et al.	INFECTION AND IMMUNITY	2020
23	Antimicrobial peptide against mycobacterium tuberculosis that activates autophagy is an effective treatment for tuberculosis	MIGUEL ANTONIO COSTAS BASIN TERESA MONTIEL MONTES CHRISTIAN DIENER et al.	Pharmaceutics	2020
24	Experimental pulmonary tuberculosis in the absence of detectable brain infection induces neuroinflammation and behavioural abnormalities in male balb/c mice	JACQUELINE VIRIDIANA LARA ESPINOSA RICARDO ALBERTO SANTANA MARTINEZ PERLA DEYANIRA MALDONADO JIMENEZ et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2020
25	Hepatocyte growth factor enhances the clearance of a multidrug-resistant Mycobacterium tuberculosis strain by high doses of conventional chemotherapy, preserving liver function	DULCE ADRIANA MATA ESPINOSA JORGE ALBERTO BARRIOS PAYAN BRENDA NOEMI MARQUINA CASTILLO et al.	JOURNAL OF CELLULAR PHYSIOLOGY	2020

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26	Evidence for the Effect of Vaccination on Host-Pathogen Interactions in a Murine Model of Pulmonary Tuberculosis by Mycobacterium tuberculosis	BRENDA NOEMI MARQUINA CASTILLO JORGE ALBERTO BARRIOS PAYAN ADRIAN OCHOA LEYVA et al.	FRONTIERS IN IMMUNOLOGY	2020
27	Author Correction: BCG and BCG BCG1419c protect type 2 diabetic mice against tuberculosis via different participation of T and B lymphocytes, dendritic cells and pro-inflammatory cytokines (npj Vaccines, (2020), 5, 1, (21), 10.1038/s41541-020-0169-6)	BRENDA NOEMI MARQUINA CASTILLO VASTI LOZANO ORDAZ DULCE ADRIANA MATA ESPINOSA et al.	Npj Vaccines	2020
28	Involvement of vasopressin in the pathogenesis of pulmonary tuberculosis: A new therapeutic target?	JORGE ALBERTO BARRIOS PAYAN DULCE ADRIANA MATA ESPINOSA BRENDA NOEMI MARQUINA CASTILLO et al.	Frontiers in Endocrinology	2019
29	Titanium dioxide nanofibers induce angiogenic markers and genomic instability in lung cells leading to a highly dedifferentiated and fibrotic tumor formation in a xenograft model	NORMA LAURA DELGADO BUENROSTRO JOSE OCOTLAN FLORES FLORES ROGELIO HERNANDEZ PANDO et al.	ENVIRONMENTAL SCIENCE-NANO	2019
30	A significant therapeutic effect of silymarin administered alone, or in combination with chemotherapy, in experimental pulmonary tuberculosis caused by drug-sensitive or drug-resistant strains: In vitro and in vivo studies	EDEN MARCELA RODRIGUEZ FLORES DULCE ADRIANA MATA ESPINOSA JORGE ALBERTO BARRIOS PAYAN et al.	PLOS ONE	2019
31	Raw starch microparticles as BCG adjuvant: Their efficacy depends on the virulence of the infection strains	SILVIA ANDREA MORENO MENDIETA DULCE ADRIANA MATA ESPINOSA JORGE ALBERTO BARRIOS PAYAN et al.	Vaccine	2019
32	Extracellular vesicles released by J774A.1 macrophages reduce the bacterial load in macrophages and in an experimental mouse model of tuberculosis	JORGE ALBERTO BARRIOS PAYAN DULCE ADRIANA MATA ESPINOSA ROGELIO HERNANDEZ PANDO et al.	INTERNATIONAL JOURNAL OF NANOMEDICINE	2019
33	Immunotherapeutic effects of recombinant adenovirus encoding interleukin 12 in experimental pulmonary tuberculosis	BRENDA NOEMI MARQUINA CASTILLO JORGE ALBERTO BARRIOS PAYAN ROGELIO HERNANDEZ PANDO et al.	SCANDINAVIAN JOURNAL OF IMMUNOLOGY	2019
34	Dual role of hypoxia-inducible factor 1 α in experimental pulmonary tuberculosis: Its implication as a new therapeutic target	MARCO ANTONIO DURAN PADILLA JORGE ALBERTO BARRIOS PAYAN DULCE ADRIANA MATA ESPINOSA et al.	FUTURE MICROBIOLOGY	2018

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35	BCG constitutively expressing the adenylyl cyclase encoded by Rv2212 increases its immunogenicity and reduces replication of <i>M. tuberculosis</i> in lungs of BALB/c mice	BRENDA NOEMI MARQUINA CASTILLO DULCE ADRIANA MATA ESPINOSA JORGE ALBERTO BARRIOS PAYAN et al.	Tuberculosis	2018
36	Immune response elicited by two rBCG strains devoid of genes involved in c-di-GMP metabolism affect protection versus challenge with <i>M. tuberculosis</i> strains of different virulence	BRENDA NOEMI MARQUINA CASTILLO JORGE ALBERTO BARRIOS PAYAN ROGELIO HERNANDEZ PANDO et al.	Vaccine	2018
37	Mutations in ppe38 block PE-PGRS secretion and increase virulence of <i>Mycobacterium tuberculosis</i>	DULCE ADRIANA MATA ESPINOSA JORGE ALBERTO BARRIOS PAYAN BRENDA NOEMI MARQUINA CASTILLO et al.	Nature Microbiology	2018
38	Induction of bone formation in abdominal implants constituted by collagen sponges embedded with plant-based human transforming growth factor family proteins in ectopic dog model	BRENDA NOEMI MARQUINA CASTILLO JORGE ALBERTO BARRIOS PAYAN ROGELIO HERNANDEZ PANDO et al.	Journal of Experimental Orthopaedics	2014



Sistema Integral de Información Académica
Coordinación de Planeación, Evaluación y
Simplificación de la Gestión Institucional
Reporte individual



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LIBROS Y CAPITULOS CON ISBN

No se encuentran registros en la base de datos de Humanindex asociados a:

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PARTICIPACIÓN EN PROYECTOS

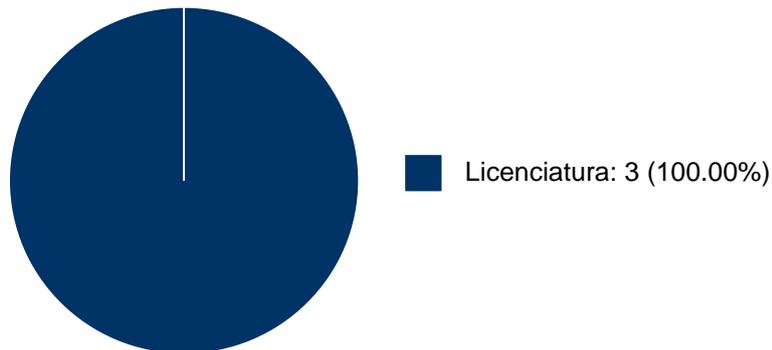
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

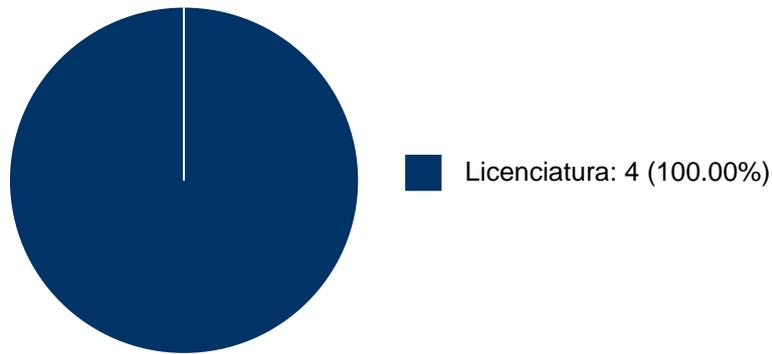


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Evaluación de la cepa mutante de la atpasa de tipo P, CtpF (Mtb?ctpF) de Mycobacterium tuberculosis H37Rv, como nuevo candidato vacunal, en un modelo de ratón BALB/c de tuberculosis pulmonar progresiva	Tesis de Licenciatura	JORGE ALBERTO BARRIOS PAYAN,	Delgado Ibarra, Leonardo Alejandro,	Facultad de Ciencias,	2022
2	Evaluación in vitro del efecto antimicobacteriano e inmunomodulador de la naftoquinona lapazina sobre dos cepas de mycobacterium tuberculosis : una farmacosensible y una drogoresistente	Tesis de Licenciatura	JORGE ALBERTO BARRIOS PAYAN,	Méndez Pérez, Daniel,	Facultad de Ciencias,	2017
3	Efecto del bloqueo de tgf-b y un inhibidor de la cox-2 en un modelo murino de tuberculosis pulmonar progresiva	Tesis de Licenciatura	JORGE ALBERTO BARRIOS PAYAN,	Arce Hernández, Cristian,		2015

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	1	2024-2
2	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	1	2024-1
3	Licenciatura	TALLER NIVEL 4	Facultad de Ciencias	2	2024-1
4	Licenciatura	TALLER NIVEL 3	Facultad de Ciencias	2	2023-2



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PATENTES

No se encuentran registros en la base de datos de patentes asociados a:

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FUENTES DE INFORMACIÓN

Internos

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2025
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2025
3	Producción Académica	CH	Humanindex	2008-2021
4	Producción Académica	CIC	SCIC	2000-2017
5	Proyectos	DGPO	SISEPRO	2018-2022
6	Tesis	DGB	TESIUNAM	2008-2024
7	Tutorías en Posgrado	CGEP	SIIPosgrado	2008-2021

Externos

#	Información	Fuente	Sistema	Periodo
8	Documentos Indexados	Elsevier	Scopus	2008-2025
9	Documentos Indexados	Thomson Reuters	WoS	2008-2025
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2025
11	Patentes	IMPI	SIGA	2008-2024