



SANTIAGO CASTILLO RAMIREZ

Datos Generales

Nombre: SANTIAGO CASTILLO RAMIREZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 10 años

Nombramientos

Vigente: INVESTIGADOR TITULAR B TC Definitivo
Centro de Ciencias Genómicas
Desde 01-02-2022

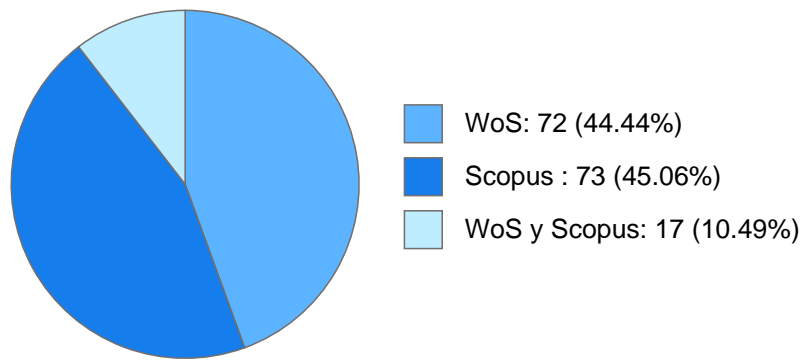
Estímulos, programas, premios y reconocimientos

SNI II 2018 - 2024
SNI I 2015 - 2017
PRIDE D 2024
PRIDE C 2019 - 2024
EQUIVALENCIA PRIDE B 2014 - 2019

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	A core genome MLST scheme for <i>Borrelia burgdorferi</i> sensu lato improves insights into the evolutionary history of the species complex	SANTIAGO CASTILLO RAMIREZ Hepner S. Jolley K.A. et al.	Cell Reports Methods	2025
2	Assembly collapsing versus heterozygosity oversizing: detection of homokaryotic and heterokaryotic <i>Laccaria trichodermophora</i> strains by hybrid genome assembly	RODOLFO ENRIQUE ANGELES ARGAIZ CHRISTIAN ARMANDO QUINTERO CORRALES MAURICIO ALBERTO TRUJILLO ROLDAN et al.	Microbial Genomics	2024
3	Phylogenomic and phenotypic analyses highlight the diversity of antibiotic resistance and virulence in both human and non-human <i>Acinetobacter baumannii</i>	SANTIAGO CASTILLO RAMIREZ Sykes E.M.E. Mateo-Estrada V. et al.	mSphere	2024
4	Unsupervised learning and natural language processing highlight research trends in a superbug	CARLOS FRANCISCO MENDEZ CRUZ SANTIAGO CASTILLO RAMIREZ Rodríguez-Herrera J. et al.	Frontiers In Artificial Intelligence	2024
5	<i>Acinetobacter junii</i> : an emerging One Health pathogen	OMAR ALEJANDRO AGUILAR VERA GLORIA MARIANA RODRIGUEZ LOPEZ VLADIMIR MORALES ERASTO et al.	mSphere	2024

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6	Genomic and Phylogenomic Characterization of Carbapenem-resistant <i>Pseudomonas aeruginosa</i> ?High-risk? Clone O4/ExoS+/ST654 Circulating in Chilean Hospitals	OMAR ALEJANDRO AGUILAR VERA SANTIAGO CASTILLO RAMIREZ Opazo-Capurro A. et al.	JOURNAL OF GLOBAL ANTIMICROBIAL RESISTANCE	2024
7	On the road to genomically defining bacterial intra-species units	SANTIAGO CASTILLO RAMIREZ	Msystems	2024
8	Characterization of a colistin resistant, hypervirulent hospital isolate of <i>Acinetobacter courvalinii</i> from Canada	SANTIAGO CASTILLO RAMIREZ Sykes E.M.E. Mateo-Estrada V. et al.	EUROPEAN JOURNAL OF CLINICAL MICROBIOLOGY & INFECTIOUS DISEASES	2024
9	Host population structure and species resolution reveal prophage transmission dynamics	OMAR ALEJANDRO AGUILAR VERA ALFREDO JOSE HERNANDEZ ALVAREZ ROSA ISELA SANTAMARIA GUTIERREZ et al.	Mbio	2024
10	Geography, Antimicrobial Resistance, and Genomics of <i>Salmonella enterica</i> (Serotypes Newport and Anatum) from Meat in Mexico (2021-2023)	ENRIQUE JESUS DELGADO SUAREZ OMAR ALEJANDRO AGUILAR VERA SANTIAGO CASTILLO RAMIREZ et al.	Microorganisms	2024
11	Description of genome sequences of arthropod-associated spirochetes of the genus <i>Entomospira</i>	SANTIAGO CASTILLO RAMIREZ Silvie Sikutova Lucia Grana-Miraglia et al.	Microbiology Resource Announcements	2024
12	Editorial: Mobile genetic elements as dissemination drivers of multidrug-resistant Gram-negative bacteria	SANTIAGO CASTILLO RAMIREZ Nodari C.S. Opazo-Capurro A. et al.	FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY	2023
13	<i>Acinetobacter baumannii</i> from grass: novel but non-resistant clones	OMAR ALEJANDRO AGUILAR VERA SANTIAGO CASTILLO RAMIREZ Mateo-Estrada V. et al.	Microbial Genomics	2023
14	The importance of <i>Acinetobacter baumannii</i> from non-human sources	SANTIAGO CASTILLO RAMIREZ	Lancet Microbe	2023
15	<i>Acinetobacter baumannii</i> IC2 and IC5 Isolates with Co-Existing <i>bla</i> _{OXA-143-like} and <i>bla</i> _{OXA-72} and Exhibiting Strong Biofilm Formation in a Mexican Hospital	SANTIAGO CASTILLO RAMIREZ CATALINA GAYOSSO VAZQUEZ JOSE LUIS FERNANDEZ VAZQUEZ et al.	Microorganisms	2023

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16	Pandrug-resistant <i>Acinetobacter baumannii</i> from different clones and regions in Mexico have a similar plasmid carrying the <i>bla</i> _{OXA-72} gene	SANTIAGO CASTILLO RAMIREZ MA. DOLORES JARILLO QUIJADA JOSE IGNACIO SANTOS PRECIADO et al.	FRONTIERS IN CELLULAR AND INFECTION MICROBIOLOGY	2023
17	Genomic epidemiology of <i>Acinetobacter baumannii</i> goes global	SANTIAGO CASTILLO RAMIREZ	Mbio	2023
18	The <i>Acinetobacter baumannii</i> website (Ab-web): a multidisciplinary knowledge hub, communication platform, and workspace	SANTIAGO CASTILLO RAMIREZ Karah N. Mateo-Estrada V. et al.	Fems Microbes	2023
19	The promiscuous and highly mobile resistome of <i>Acinetobacter baumannii</i>	SANTIAGO CASTILLO RAMIREZ Hernández-González I.L. Mateo-Estrada V.	Microbial Genomics	2022
20	Beyond microbial core genomic epidemiology: towards pan genomic epidemiology	SANTIAGO CASTILLO RAMIREZ	Lancet Microbe	2022
21	Mining of Thousands of Prokaryotic Genomes Reveals High Abundance of Prophages with a Strictly Narrow Host Range	JUAN MANUEL HURTADO RAMIREZ JEROME JEAN VERLEYEN SANTIAGO CASTILLO RAMIREZ et al.	Msystems	2022
22	<i>Acinetobacter baumannii</i> Sampled from Cattle and Pigs Represent Novel Clones	SANTIAGO CASTILLO RAMIREZ Mateo-Estrada V. Vali L. et al.	Microbiology Spectrum	2022
23	Zoonotic <i>Acinetobacter baumannii</i> : the need for genomic epidemiology in a One Health context	SANTIAGO CASTILLO RAMIREZ	Lancet Microbe	2022
24	A novel virus from multidrug-resistant <i>Acinetobacter baumannii</i>	ROSA ISELA SANTAMARIA GUTIERREZ MIGUEL ANGEL CARLOS CEVALLOS GAOS JUAN CARLOS PEREZ MONTER et al.	ARCHIVES OF VIROLOGY	2021
25	Editorial: Genomic Basis of Antibiotic Resistance and Virulence in <i>Acinetobacter</i>	SANTIAGO CASTILLO RAMIREZ Benjamin A. Evans Ayush Kumar	FRONTIERS IN MICROBIOLOGY	2021
26	The Population Structure of <i>Borrelia lusitaniae</i> Is Reflected by a Population Division of Its Ixodes Vector	SANTIAGO CASTILLO RAMIREZ Norte A.C. Boyer P.H. et al.	Microorganism s	2021
27	Reassessing the evolution of the 1-deoxy-D-xylulose 5-phosphate synthase family suggests a possible novel function for the DXS class 3 proteins	ELIZABETH CORDOBA MARTINEZ SANTIAGO CASTILLO RAMIREZ PATRICIA LEON MEJIA et al.	PLANT SCIENCE	2021

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28	Accessory Genomic Epidemiology of Cocirculating <i>Acinetobacter baumannii</i> Clones	JOSE LUIS FERNANDEZ VAZQUEZ MARIA DOLORES ALCANTAR CUIRIEL SANTIAGO CASTILLO RAMIREZ et al.	Msystems	2021
29	Non-clinical settings – the understudied facet of antimicrobial drug resistance	SANTIAGO CASTILLO RAMIREZ Timothy Ghaly Michael Gillings	ENVIRONMENTAL MICROBIOLOGY	2021
30	Origin of OXA-23 Variant OXA-239 from a Recently Emerged Lineage of <i>Acinetobacter baumannii</i> International Clone V	CLAUDIA ADRIANA COLIN CASTRO PATRICIA AMALIA VOLKOW FERNANDEZ MIGUEL ANGEL CARLOS CEVALLOS GAOS et al.	mSphere	2020
31	High Phenotypic and Genotypic Diversity of <i>Enterococcus faecium</i> from Clinical and Commensal Isolates in Third Level Hospital	KAREN FLORES MORENO MIGUEL ANGEL CARLOS CEVALLOS GAOS PATRICIA AMALIA VOLKOW FERNANDEZ et al.	MICROBIAL DRUG RESISTANCE	2020
32	Rejection of the name <i>Borrelia</i> and all proposed species comb. nov. placed therein	SANTIAGO CASTILLO RAMIREZ Gabriele Margos Sally Cutler et al.	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	2020
33	Chromosome Architecture and Gene Content of the Emergent Pathogen <i>Acinetobacter haemolyticus</i>	PATRICIA AMALIA VOLKOW FERNANDEZ SANTIAGO CASTILLO RAMIREZ MIGUEL ANGEL CARLOS CEVALLOS GAOS et al.	FRONTIERS IN MICROBIOLOGY	2020
34	Structure and Evolution of <i>Acinetobacter baumannii</i> Plasmids	ROSA MARIA GUTIERREZ RIOS LUIS FERNANDO LOZANO AGUIRRE BELTRAN MARIA DE LOS ANGELES PEREZ OSEGUERA et al.	FRONTIERS IN MICROBIOLOGY	2020
35	Characterization of Extremely Drug-Resistant and Hypervirulent <i>Acinetobacter baumannii</i> AB030	SANTIAGO CASTILLO RAMIREZ Manu Singh P. Malaka De Silva et al.	ANTIBIOTICS-BASED SELECTION	2020
36	Phylogeographical analyses and antibiotic resistance genes of <i>Acinetobacter johnsonii</i> highlight its clinical relevance	SANTIAGO CASTILLO RAMIREZ Mateo-Estrada V. Gonzalez-Rocha G. et al.	mSphere	2020
37	High mortality in an outbreak of multidrug resistant <i>Acinetobacter baumannii</i> infection introduced to an oncological hospital by a patient transferred from a general hospital	DORA PATRICIA CORNEJO JUAREZ SANTIAGO CASTILLO RAMIREZ MARIA DE LOS ANGELES PEREZ OSEGUERA et al.	PLOS ONE	2020

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38	Spirochetes isolated from arthropods constitute a novel genus <i>Entomospira</i> genus novum within the order Spirochaetales	SANTIAGO CASTILLO RAMIREZ Lucia Grana-Miraglia Silvie Sikutova et al.	SCIENTIFIC REPORTS	2020
39	Prophages Encode Antibiotic Resistance Genes in <i>Acinetobacter baumannii</i>	ROSA ISELA SANTAMARIA GUTIERREZ MIGUEL ANGEL CARLOS CEVALLOS GAOS VICTOR MANUEL GONZALEZ ZUÑIGA et al.	MICROBIAL DRUG RESISTANCE	2020
40	Origin and Evolutionary Dynamics of the miR2119 and ADH1 Regulatory Module in Legumes	LUIS FERNANDO LOZANO AGUIRRE BELTRAN SANTIAGO CASTILLO RAMIREZ ALEJANDRA ALICIA COVARRUBIAS ROBLES et al.	GENOME BIOLOGY AND EVOLUTION	2020
41	Antibiotic-resistant <i>Acinetobacter baumannii</i> is a One Health problem	SANTIAGO CASTILLO RAMIREZ Ismael L. Hernandez-Gonzalez	Lancet Microbe	2020
42	Inaccurate multilocus sequence typing of <i>Acinetobacter baumannii</i>	SANTIAGO CASTILLO RAMIREZ Lucia Grana-Miraglia	EMERGING INFECTIOUS DISEASES	2019
43	Unexplored genetic diversity of multidrug- And extremely drug-resistant <i>acinetobacter baumannii</i> isolates from tertiary hospitals in Honduras	MARIA DE LOS ANGELES PEREZ OSEGUERA SANTIAGO CASTILLO RAMIREZ MIGUEL ANGEL CARLOS CEVALLOS GAOS et al.	MICROBIAL DRUG RESISTANCE	2019
44	Phylogenomics Reveals Clear Cases of Misclassification and Genus-Wide Phylogenetic Markers for <i>Acinetobacter</i>	SANTIAGO CASTILLO RAMIREZ Mateo-Estrada V. Graña-Miraglia L. et al.	GENOME BIOLOGY AND EVOLUTION	2019
45	Invasive methicillin-resistant <i>Staphylococcus aureus</i> USA500 strains from the U.S. Emerging Infections Program constitute three geographically distinct lineages	SANTIAGO CASTILLO RAMIREZ M. B. Frisch III Petit et al.	mSphere	2018
46	Phylogenomic classification and the evolution of Clonal complex 5 methicillin-resistant <i>Staphylococcus aureus</i> in the Western Hemisphere	SANTIAGO CASTILLO RAMIREZ Lavanya Challagundla Jinnethe Reyes et al.	FRONTIERS IN MICROBIOLOGY	2018
47	Phylogenomics picks out the par excellence markers for species phylogeny in the genus <i>Staphylococcus</i>	MARIA DE LOS ANGELES PEREZ OSEGUERA SANTIAGO CASTILLO RAMIREZ Lucia Grana-Miraglia et al.	PEERJ	2018
48	1,2-Diacylglycerol choline phosphotransferase catalyzes the final step in the unique <i>Treponema denticola</i> phosphatidylcholine biosynthesis pathway	SANTIAGO CASTILLO RAMIREZ ISABEL MARIA LOPEZ LARA OTTO GEIGER et al.	MOLECULAR MICROBIOLOGY	2017

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49	Rapid Gene Turnover as a Significant Source of Genetic Variation in a Recently Seeded Population of a Healthcare-Associated Pathogen	LUIS FERNANDO LOZANO AGUIRRE BELTRAN MARIA DE LOS ANGELES PEREZ OSEGUERA MIGUEL ANGEL CARLOS CEVALLOS GAOS et al.	FRONTIERS IN MICROBIOLOGY	2017
50	Complete genome sequence of a bla _{OXA-58} -producing <i>Acinetobacter baumannii</i> strain isolated from a Mexican hospital	MARIA DE LOS ANGELES PEREZ OSEGUERA SANTIAGO CASTILLO RAMIREZ MIGUEL ANGEL CARLOS CEVALLOS GAOS et al.	Microbiology Resource Announcements	2017
51	Trans-Atlantic exchanges have shaped the population structure of the Lyme disease agent <i>Borrelia burgdorferi sensu stricto</i>	SANTIAGO CASTILLO RAMIREZ Fingerle, V. Jungnick, S. et al.	SCIENTIFIC REPORTS	2016
52	Species-specific diversity of novel bacterial lineages and differential abundance of predicted pathways for toxic compound degradation in scorpion gut microbiota	MONICA TERESA ROSENBLUETH LAGUETTE SANTIAGO CASTILLO RAMIREZ MARIA ESPERANZA MARTINEZ ROMERO et al.	ENVIRONMENTAL MICROBIOLOGY	2016
53	Evolution of a Sigma Factor: An All-In-One of Gene Duplication, Horizontal Gene Transfer, Purifying Selection, and Promoter Differentiation	MIGUEL ANGEL CARLOS CEVALLOS GAOS SANTIAGO CASTILLO RAMIREZ López-Leal G.	FRONTIERS IN MICROBIOLOGY	2016
54	Recurrent evolution of host and vector association in bacteria of the <i>Borrelia burgdorferi sensu lato</i> species complex	SANTIAGO CASTILLO RAMIREZ Becker, Noemie S. Margos, Gabriele et al.	Bmc Genomics	2016
55	Dynamics of genome change among <i>Legionella</i> species	SANTIAGO CASTILLO RAMIREZ Joseph, Sandeep J. Cox, Daniel et al.	SCIENTIFIC REPORTS	2016
56	Whole-Genome Sequencing for Routine Pathogen Surveillance in Public Health: a Population Snapshot of Invasive <i>Staphylococcus aureus</i> in Europe	SANTIAGO CASTILLO RAMIREZ Aanensen, David M. Feil, Edward J. et al.	Mbio	2016
57	Population structure of <i>Neisseria gonorrhoeae</i> based on whole genome data and its relationship with antibiotic resistance	SANTIAGO CASTILLO RAMIREZ Ezewudo, Matthew N. Joseph, Sandeep J. et al.	PEERJ	2015
58	<i>Chlamydiaceae</i> genomics reveals interspecies admixture and the recent evolution of <i>Chlamydia abortus</i> infecting lower mammalian species and humans	SANTIAGO CASTILLO RAMIREZ Joseph, Sandeep J. Marti, Hanna et al.	GENOME BIOLOGY AND EVOLUTION	2015
59	RNA-Seq analysis of the multipartite genome of <i>Rhizobium etli</i> CE3 shows different replicon contributions under heat and saline shock	Gamaliel Lopez Leal MARIA LUISA TABACHE BARRERA SANTIAGO CASTILLO RAMIREZ et al.	Bmc Genomics	2014

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60	Microevolution of renibacterium salmoninarum: Evidence for intercontinental dissemination associated with fish movements	SANTIAGO CASTILLO RAMIREZ Brynildsrud O. Feil E.J. et al.	ISME JOURNAL	2014
61	Genetic relationships of Vibrio parahaemolyticus isolates from clinical, human carrier, and environmental sources in Thailand, determined by multilocus sequence analysis	SANTIAGO CASTILLO RAMIREZ Theethakaew C. Feil E.J. et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2013
62	A genomic portrait of the emergence, evolution, and global spread of a methicillin-resistant Staphylococcus aureus pandemic	SANTIAGO CASTILLO RAMIREZ Holden M.T.G. Hsu L.-Y. et al.	GENOME RESEARCH	2013
63	Phylogeographic variation in recombination rates within a global clone of methicillin-resistant Staphylococcus aureus	SANTIAGO CASTILLO RAMIREZ Corander J. Marttinen P. et al.	GENOME BIOLOGY	2012
64	Two boundaries separate borrelia burgdorferi populations in north america	SANTIAGO CASTILLO RAMIREZ Margos G. Tsao J.I. et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2012
65	Phylogeography of Lyme borreliosis-group spirochetes and methicillin-resistant Staphylococcus aureus	SANTIAGO CASTILLO RAMIREZ Margos G. Hoen A.G.	Parasitology	2012
66	The impact of recombination on dN/dS within recently emerged bacterial clones	SANTIAGO CASTILLO RAMIREZ Harris S.R. Holden M.T.G. et al.	PLOS PATHOGENS	2011
67	A very early-branching staphylococcus aureus lineage lacking the carotenoid pigment staphyloxanthin	SANTIAGO CASTILLO RAMIREZ Holt D.C. Holden M.T.G. et al.	GENOME BIOLOGY AND EVOLUTION	2011
68	Transcriptional profiling of fetal hypothalamic TRH neurons	MAGDALENA GUERRA CRESPO JUAN CARLOS PEREZ MONTER SANTIAGO CASTILLO RAMIREZ et al.	Bmc Genomics	2011
69	The Rhizobium etli RpoH1 and RpoH2 sigma factors are involved in different stress responses	JAIME MARIANO MARTINEZ SALAZAR Mario Sandoval Calderon Xianwu Guo et al.	MICROBIOLOGY -SGM	2009
70	Horizontal gene transfer and diverse functional constrains within a common replication-partitioning system in Alphaproteobacteria: the repABC operon	SANTIAGO CASTILLO RAMIREZ Jorge F. Vazquez Castellanos VICTOR MANUEL GONZALEZ ZUÑIGA et al.	Bmc Genomics	2009
71	Factors affecting the concordance between orthologous gene trees and species tree in bacteria	SANTIAGO CASTILLO RAMIREZ VICTOR MANUEL GONZALEZ ZUÑIGA	BMC EVOLUTIONARY BIOLOGY	2008



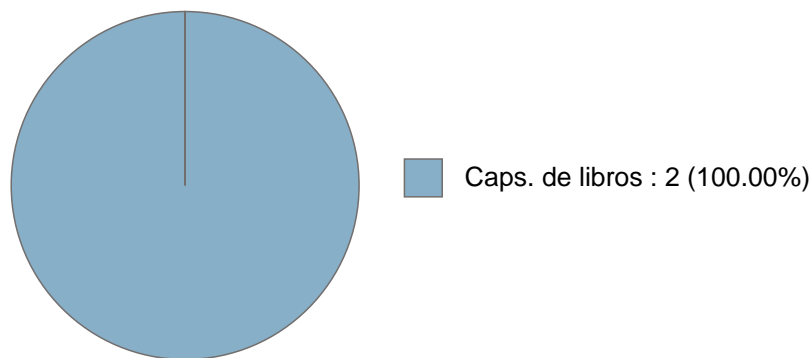
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72	A Common Genomic Framework for a Diverse Assembly of Plasmids in the Symbiotic Nitrogen Fixing Bacteria	SANTIAGO CASTILLO RAMIREZ LUIS FERNANDO LOZANO AGUIRRE BELTRAN JOSE LUIS ACOSTA SANCHEZ et al.	PLOS ONE	2008
73	Rapid evolutionary change of common bean (<i>Phaseolus vulgaris</i> L) plastome, and the genomic diversification of legume chloroplasts	SANTIAGO CASTILLO RAMIREZ VIRGINIA PATRICIA BUSTOS ARCOS JOSE LUIS FERNANDEZ VAZQUEZ et al.	Bmc Genomics	2007

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

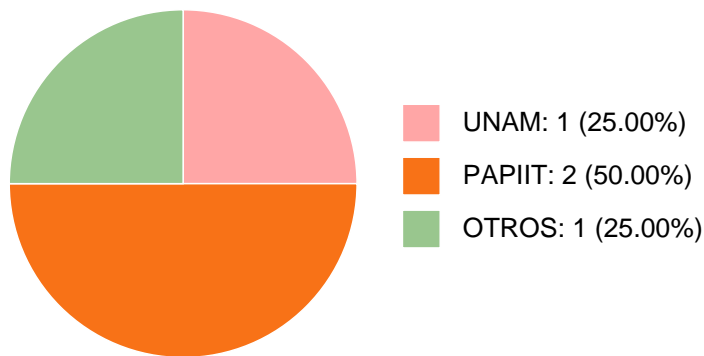


#	Título	Autores	Alcance	Año	ISBN
1	Towards a Synthesis of Population Genomics and Epidemiology: Next-Generation Sequencing of Bacterial Pathogens	SANTIAGO CASTILLO RAMIREZ Feil E.J.	Capítulo de un Libro	2014	9780123971692
2	Population genetics	SANTIAGO CASTILLO RAMIREZ Feil E.J.	Capítulo de un Libro	2013	9783642301940

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

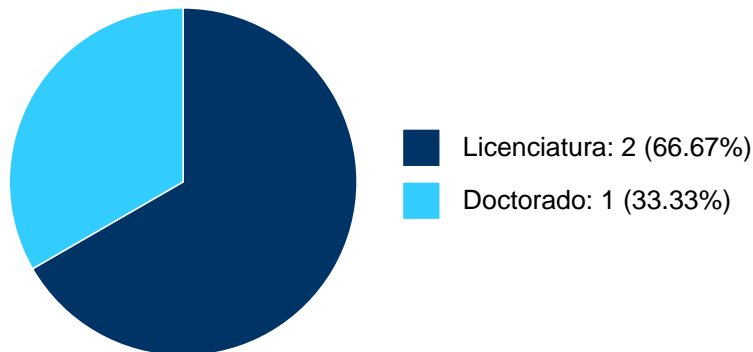


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Microevolución y filogeografía de patógenos bacterianos	SANTIAGO CASTILLO RAMIREZ	Presupuesto de la UNAM asignado a la Dependencia	01-12-2013	31-12-2020
2	Variación filogeográfica del genoma accesorio del patógeno emergente <i>Acinetobacter baumannii</i> en México	SANTIAGO CASTILLO RAMIREZ	Recursos PAPIIT	01-01-2017	31-12-2018
3	Genómica evolutiva del resistoma de <i>Acinetobacter baumannii</i> en México.	SANTIAGO CASTILLO RAMIREZ	Recursos PAPIIT	01-01-2019	31-12-2021
4	Análisis filogenómico para estudiar la variación filogeográfica del genoma accesorio de <i>Acinetobacter baumannii</i> en México.	SANTIAGO CASTILLO RAMIREZ	Recursos CONAHCyT	21-03-2018	07-02-2023

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

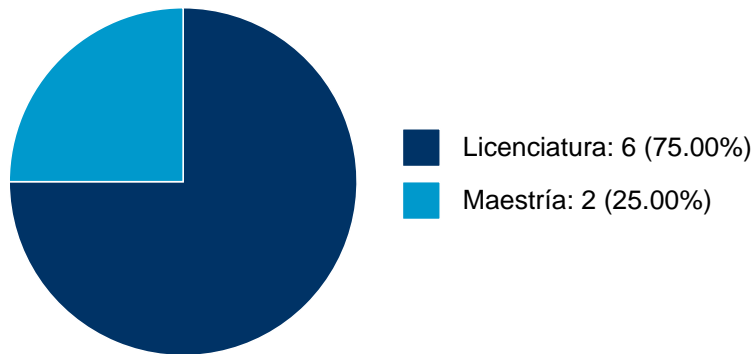


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Caracterización genómica del patógeno emergente Acinetobacter Baumannii en México	Tesis de Doctorado	SANTIAGO CASTILLO RAMIREZ,	Graña Miraglia, Lucía,	Centro de Ciencias Genómicas,	2019
2	Genómica comparativa de una cepa mexicana de acinetobacter haemolyticus	Tesis de Licenciatura	SANTIAGO CASTILLO RAMIREZ,	MIGUEL ANGEL CARLOS CEVALLOS GAOS, Castro Jaimes, María Semiramis,	Centro de Ciencias Genómicas,	2016
3	Análisis de la historia evolutiva del elemento genético móvil Staphylococcal Cassette Chromosome	Tesis de Licenciatura	SANTIAGO CASTILLO RAMIREZ,	Vargas Peralta, David,	Centro de Ciencias Genómicas,	2016

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TRABAJO DE INVESTIGACIÓN III	Instituto de Biotecnología	1	2023-2
2	Maestría	TRABAJO DE INVESTIGACIÓN II	Instituto de Biotecnología	1	2023-1
3	Licenciatura	TRABAJO DE INVESTIGACION 1	Instituto de Biotecnología	1	2018-1
4	Licenciatura	TRABAJO DE INVESTIGACION 2	Instituto de Biotecnología	1	2018-1
5	Licenciatura	TRABAJO DE INVESTIGACION 3	Instituto de Biotecnología	1	2018-1
6	Licenciatura	TOPICO SELECTO 1	Instituto de Biotecnología	1	2018-1
7	Licenciatura	TOPICO SELECTO 2	Instituto de Biotecnología	1	2018-1
8	Licenciatura	SEMINARIO DE INVESTIGACION 1	Instituto de Biotecnología	1	2018-1



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



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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