ERNESTO PEREZ RUEDA

Datos Generales

Nombre: ERNESTO PEREZ RUEDA

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 20 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas
Desde 01-01-2020

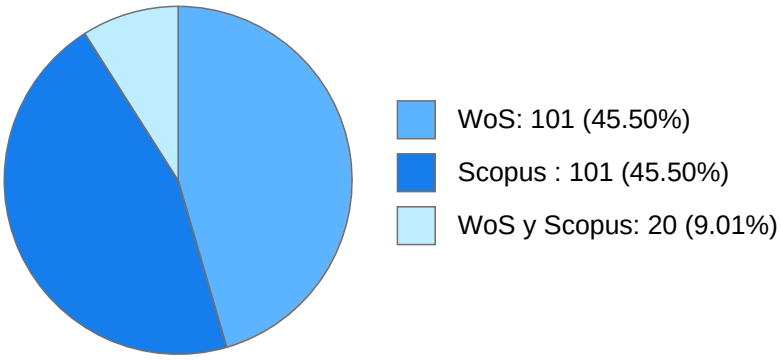
Estímulos, programas, premios y reconocimientos

SNI III 2017 - 2024
SNI II 2013 - 2016
SNI I - 2012
PRIDE D 2011 - 2024
PRIDE C - 2011
PRIDE B 2008

ERNESTO PEREZ RUEDA

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Interactions between the AraC/XylS-like transcriptional activator InvF of Salmonella Typhimurium, the RNA polymerase alpha subunit and the chaperone SicA	VICTOR HUMBERTO BUSTAMANTE SANTILLAN ERNESTO PEREZ RUEDA Cortés-Avalos D. et al.	SCIENTIFIC REPORTS	2024
2	Screening and Structural Characterization of Heat Shock Response Elements (HSEs) in Entamoeba histolytica Promoters	ERNESTO PEREZ RUEDA Dorantes-Palma D. Pérez-Mora S. et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2024
3	CDBProm: the Comprehensive Directory of Bacterial Promoters	ERNESTO PEREZ RUEDA LEONARDO LEDESMA DOMINGUEZ CINTHIA RODRIGUEZ MAYA et al.	Nar Genomics And Bioinformatics	2024
4	Differential Impact of CD43 and CD28 on T-Cell Differentiation Depending on the Order of Engagement with the TCR	NORA ALMA FIERRO GONZALEZ ESTEFANIA ALEMAN NAVARRO ERIKA ISABEL MELCHY PEREZ et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2024
5	The interaction of InvF-RNAP is mediated by the chaperone SicA in Salmonella sp: an in silico prediction	ERNESTO PEREZ RUEDA Andre B. Farias Daniel Cortes-Avalos et al.	PEERJ	2024

ERNESTO PEREZ RUEDA

6	DeepReg: a deep learning hybrid model for predicting transcription factors in eukaryotic and prokaryotic genomes	LEONARDO LEDESMA DOMINGUEZ ERIK YIDELL CARBAJAL DEGANTE ERNESTO PEREZ RUEDA et al.	SCIENTIFIC REPORTS	2024
7	Comprehensive comparative analysis of the periodontal pathogen Porphyromonas gingivalis: exploring the pan-genome, the reconstruction of the gene regulatory network and genome-scale metabolic network	ERNESTO PEREZ RUEDA Diana C. Miranda-Lopez Jorge Rojas-Vargas et al.	LETTERS IN APPLIED MICROBIOLOGY	2024
8	Identification of modules and key genes associated with breast cancer subtypes through network analysis	EDGARDO GALAN VASQUEZ ERNESTO PEREZ RUEDA Mares-Quiñones M.D. et al.	SCIENTIFIC REPORTS	2024
9	Predicting bacterial transcription factor binding sites through machine learning and structural characterization based on DNA duplex stability	EDGARDO GALAN VASQUEZ ERNESTO PEREZ RUEDA Andre Borges Farias et al.	BRIEFINGS IN BIOINFORMATICS	2024
10	Exploring the enzymatic repertoires of Bacteria and Archaea and their associations with metabolic maps	AUGUSTO CESAR POOT HERNANDEZ ERNESTO PEREZ RUEDA Silvia Tenorio-Salgado et al.	BRAZILIAN JOURNAL OF MICROBIOLOGY	2024
11	The gene regulatory network of Staphylococcus aureus ST239-SCCmecIII strain Bmb9393 and assessment of genes associated with the biofilm in diverse backgrounds	ERNESTO PEREZ RUEDA Costa M.D.O.C.E. Nascimento A.P.B.D. et al.	FRONTIERS IN MICROBIOLOGY	2023
12	Explainable artificial intelligence as a reliable annotator of archaeal promoter regions	ERNESTO PEREZ RUEDA Sganzerla Martinez G. Kumar A. et al.	SCIENTIFIC REPORTS	2023
13	Structure of co-expression networks of Bifidobacterium species in response to human milk oligosaccharides	EDGARDO GALAN VASQUEZ ERNESTO PEREZ RUEDA González-Morelo K.J. et al.	Frontiers In Molecular Biosciences	2023
14	Identifying similarities at metabolic pathways with a strategy of Enzymatic Step Sequences	AUGUSTO CESAR POOT HERNANDEZ KATYA RODRIGUEZ VAZQUEZ ERNESTO PEREZ RUEDA	MethodsX	2023
15	Editorial: Insights in evolutionary & genomic microbiology: 2022	ERNESTO PEREZ RUEDA Gao F.	FRONTIERS IN MICROBIOLOGY	2023
16	Role of transcription factors and sigma factors in bacterial stress physiology	ERNESTO PEREZ RUEDA Herb E. Schellhorn Santosh Kumar	FRONTIERS IN MICROBIOLOGY	2023
17	A Bibliometric Analysis of Mexican Bioinformatics: A Portrait of Actors, Structure, and Dynamics	ERNESTO PEREZ RUEDA Armenta-Medina D. Díaz de León Castañeda C. et al.	BIOLOGY-BASEL	2022

ERNESTO PEREZ RUEDA

18	Analysis of carbohydrate-active enzymes and sugar transporters in Penicillium echinulatum: A genome-wide comparative study of the fungal lignocellulolytic system	ERNESTO PEREZ RUEDA Lenz A.R. Balbinot E. et al.	Gene	2022
19	Machine learning and statistics shape a novel path in archaeal promoter annotation	ERNESTO PEREZ RUEDA Gustavo Sganzerla Martinez Sharmilee Sarkar et al.	Bmc Bioinformatics	2022
20	Gene Regulatory Network Inference and Gene Module Regulating Virulence in Fusarium oxysporum	EDGARDO GALAN VASQUEZ ERNESTO PEREZ RUEDA Cano R. et al.	FRONTIERS IN MICROBIOLOGY	2022
21	Homology-based reconstruction of regulatory networks for bacterial and archaeal genomes	ERNESTO PEREZ RUEDA Romero L. Contreras-Riquelme S. et al.	FRONTIERS IN MICROBIOLOGY	2022
22	Prediction of DNA-Binding Transcription Factors in Bacteria and Archaea Genomes	LEONARDO LEDESMA DOMINGUEZ ERNESTO PEREZ RUEDA Hernandez-Guerrero R.	Methods in Molecular Biology	2022
23	Prototype of a Peristaltic Pump for Applications in Biological Phantoms	ISRAEL SANCHEZ DOMINGUEZ ERNESTO PEREZ RUEDA I. E. Perez-Ruiz et al.	IFMBE Proceedings	2022
24	Editorial: Systems modeling: Approaches and applications-Volume II	ERNESTO PEREZ RUEDA Garrido D. Martín A.J.M.	Frontiers In Molecular Biosciences	2022
25	Construction and analysis of gene co-expression network in the pathogenic fungus Ustilago maydis	CINTHIA VALENTINA SOBERANES GUTIERREZ ERNESTO PEREZ RUEDA EDGARDO GALAN VASQUEZ et al.	FRONTIERS IN MICROBIOLOGY	2022
26	A landscape for drug-target interactions based on network analysis	EDGARDO GALAN VASQUEZ ERNESTO PEREZ RUEDA	PLOS ONE	2021
27	The transcriptional activator of the bfp operon in EPEC (PerA) interacts with the RNA polymerase alpha subunit	ERNESTO PEREZ RUEDA JOSE LUIS PUENTE GARCIA Lara-Ochoa C. et al.	SCIENTIFIC REPORTS	2021
28	Comparing Sediment Microbiomes in Contaminated and Pristine Wetlands along the Coast of Yucatan	ZUEMY RODRIGUEZ ESCAMILLA ERNESTO PEREZ RUEDA KARLA SUSANA ESCALANTE HERRERA et al.	Microorganisms	2021
29	Metagenomic analysis and antimicrobial activity of two fermented milk kefir samples	ALEJANDRO HUERTA SAQUERO SERGIO RODRIGUEZ MORALES ERNESTO PEREZ RUEDA et al.	MICROBIOLOGY OPEN	2021
30	Identifying Genes Devoted to the Cell Death Process in the Gene Regulatory Network of Ustilago maydis	CINTHIA VALENTINA SOBERANES GUTIERREZ ERNESTO PEREZ RUEDA EDGARDO GALAN VASQUEZ et al.	FRONTIERS IN MICROBIOLOGY	2021

ERNESTO PEREZ RUEDA

31	DNA structural and physical properties reveal peculiarities in promoter sequences of the bacterium Escherichia coli K-12	ERNESTO PEREZ RUEDA Martinez G.S. de Ávila e Silva S. et al.	Sn Applied Sciences	2021
32	An update of the unceasingly growing and diverse AraC/XylS family of transcriptional activators	PAULINA ESTRADA DE LOS SANTOS ERNESTO PEREZ RUEDA Daniel Cortes-Avalos et al.	FEMS MICROBIOLOGY REVIEWS	2021
33	Characterization of promoters in archaeal genomes based on DNA structural parameters	ERNESTO PEREZ RUEDA Martinez G.S. Sarkar S. et al.	MICROBIOLOGY OPEN	2021
34	In Silico Identification of Chikungunya Virus B- and T-Cell Epitopes with High Antigenic Potential for Vaccine Development	ERNESTO PEREZ RUEDA Sánchez-Burgos G.G. Montalvo-Marin N.M. et al.	Viruses-Basel	2021
35	Evaluation of the abundance of DNA-binding transcription factors in Prokaryotes	ISRAEL SANCHEZ DOMINGUEZ PAUL ERICK MENDEZ MONROY MARIO ALBERTO MARTINEZ NUÑEZ et al.	GENES	2020
36	Deciphering the functional diversity of DNA-binding transcription factors in Bacteria and Archaea organisms	ALEJANDRO HUERTA SAQUERO NANCY RIVERA GOMEZ ERNESTO PEREZ RUEDA et al.	PLOS ONE	2020
37	Prototype of a Multivariable Measurement System	ISRAEL SANCHEZ DOMINGUEZ PAUL ERICK MENDEZ MONROY ERNESTO PEREZ RUEDA	IFMBE Proceedings	2020
38	The microbial composition in circumneutral thermal springs from chignahuapan, puebla, mexico reveals the presence of particular sulfur-oxidizing bacterial and viral communities	ERNESTO PEREZ RUEDA Castelán-Sánchez H.G. Meza-Rodríguez P.M. et al.	Microorganisms	2020
39	Gene Regulatory Networks of Penicillium echinulatum 2HH and Penicillium oxalicum 114-2 Inferred by a Computational Biology Approach	EDGARDO GALAN VASQUEZ ERNESTO PEREZ RUEDA Lenz A.R. et al.	FRONTIERS IN MICROBIOLOGY	2020
40	Identification of L-asparaginases from Streptomyces strains with competitive activity and immunogenic profiles: A bioinformatic approach	ERNESTO PEREZ RUEDA ANDRES ZARATE ROMERO ALEJANDRO HUERTA SAQUERO et al.	PEERJ	2020
41	Editorial: Systems Modeling: Approaches and Applications	ERNESTO PEREZ RUEDA Martin A.J. Garrido D.	Frontiers In Molecular Biosciences	2020
42	Tracing the phylogenetic history of the Crl regulon through the Bacteria and Archaea genomes	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES Santos-Zavaleta A. et al.	Bmc Genomics	2019

ERNESTO PEREZ RUEDA

43	Identification of functional signatures in the metabolism of the three cellular domains of life	AUGUSTO CESAR POOT HERNANDEZ KATYA RODRIGUEZ VAZQUEZ ERNESTO PEREZ RUEDA et al.	PLOS ONE	2019
44	Intermediate-Salinity Systems at High Altitudes in the Peruvian Andes Unveil a High Diversity and Abundance of Bacteria and Viruses	ERNESTO PEREZ RUEDA Castelán-Sánchez H.G. Elorrieta P. et al.	GENES	2019
45	Identification of Modules With Similar Gene Regulation and Metabolic Functions Based on Co-expression Data	ERNESTO PEREZ RUEDA Galán-Vásquez E.	Frontiers In Molecular Biosciences	2019
46	The protein architecture in Bacteria and Archaea identifies a set of promiscuous and ancient domains	EDGARDO GALAN VASQUEZ ERNESTO PEREZ RUEDA Hernandez-Guerrero R.	PLOS ONE	2019
47	Characterization and distribution of GHRH, PACAP, TRH, SST and IGF1 mRNAs in the green iguana	ERNESTO PEREZ RUEDA MARTHA ELIZABETH CARRANZA SALAS CARLOS GUILLERMO MARTINEZ MORENO et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2018
48	Genome misclassification of Klebsiella variicola and Klebsiella quasipneumoniae isolated from plants, animals and humans	MARIA ESPERANZA MARTINEZ ROMERO ERNESTO PEREZ RUEDA Rodríguez-Medina N. et al.	SALUD PUBLICA DE MEXICO	2018
49	Abundance, diversity and domain architecture variability in prokaryotic DNA-binding transcription factors	ERNESTO PEREZ RUEDA IVONNE GRISEL SANCHEZ CERVANTES MARIO ALBERTO MARTINEZ NUÑEZ et al.	PLOS ONE	2018
50	Functional Prediction of Hypothetical Transcription Factors of Escherichia coli K-12 Based on Expression Data	MARIO ALBERTO MARTINEZ NUÑEZ ERNESTO PEREZ RUEDA Flores-Bautista E. et al.	Computational and Structural Biotechnology Journal	2018
51	Dissecting the Repertoire of DNA-Binding Transcription Factors of the Archaeon Pyrococcus furiosus DSM 3638	MARIO ALBERTO MARTINEZ NUÑEZ ERNESTO PEREZ RUEDA Denis A. et al.	LIFE-BASEL	2018
52	Towards the complete proteinaceous regulome of Acinetobacter baumannii	ERNESTO PEREZ RUEDA Leila G. Casella Andy Weiss et al.	Microbial Genomics	2017
53	Tracing the Repertoire of Promiscuous Enzymes along the Metabolic Pathways in Archaeal Organisms	MARIO ALBERTO MARTINEZ NUÑEZ KATYA RODRIGUEZ VAZQUEZ ERNESTO PEREZ RUEDA et al.	LIFE-BASEL	2017
54	Identification of beta-Lactamases and beta-Lactam-Related Proteins in Human Pathogenic Bacteria using a Computational Search Approach	ERNESTO PEREZ RUEDA Leticia Brambila-Tapia, Aniel Jessica Barrios, Humberto et al.	CURRENT MICROBIOLOGY	2017
55	Identification of DNA Methyltransferase Genes in Human Pathogenic Bacteria by Comparative Genomics	AUGUSTO CESAR POOT HERNANDEZ ERNESTO PEREZ RUEDA KATYA RODRIGUEZ VAZQUEZ et al.	INDIAN JOURNAL OF MICROBIOLOGY	2016

ERNESTO PEREZ RUEDA

56	Transcriptomic analysis of the process of biofilm formation in Rhizobium etli CFN42	MARIA DEL CARMEN VARGAS LAGUNAS MAGDALENA HERNANDEZ ORTIZ ERNESTO PEREZ RUEDA et al.	ARCHIVES OF MICROBIOLOGY	2016
57	Identification and in silico characterization of two novel genes encoding peptidases S8 found by functional screening in a metagenomic library of Yucatan underground water	ERNESTO PEREZ RUEDA Apolinar-Hernandez, Max M. Pena-Ramirez, Yuri J. et al.	Gene	2016
58	RegulonDB version 9.0: high-level integration of gene regulation, coexpression, motif clustering and beyond	MA. DEL SOCORRO GAMA CASTRO HELADIA SALGADO OSORIO JAIR SANTIAGO GARCIA SOTELO et al.	NUCLEIC ACIDS RESEARCH	2016
59	Electrostatic analysis of bacterial expansins	Sonia Davila ERNESTO PEREZ RUEDA LORENZO PATRICK SEGOVIA FORCELLA et al.	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2015
60	Hybrid approaches for the detection of networks of critical residues involved in functional motions in protein families	Dagoberto ArmentaMedina ERNESTO PEREZ RUEDA	Bmc Bioinformatics	2015
61	The lifestyle of prokaryotic organisms influences the repertoire of promiscuous enzymes	KATYA RODRIGUEZ VAZQUEZ ERNESTO PEREZ RUEDA MARIO ALBERTO MARTINEZ NUÑEZ	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2015
62	The functional landscape bound to the transcription factors of Escherichia coli K-12	ERNESTO PEREZ RUEDA Silvia TenorioSalgado ALEJANDRO HUERTA SAQUERO et al.	Computational Biology And Chemistry	2015
63	Distribution of putative xenogeneic silencers in prokaryote genomes	ERNESTO PEREZ RUEDA Antonio Ibarra, J.	Computational Biology And Chemistry	2015
64	The alignment of enzymatic steps reveals similar metabolic pathways and probable recruitment events in Gammaproteobacteria	AUGUSTO CESAR POOT HERNANDEZ KATYA RODRIGUEZ VAZQUEZ ERNESTO PEREZ RUEDA	Bmc Genomics	2015
65	Comparison of Metabolic Pathways in Escherichia coli by Using Genetic Algorithms	AUGUSTO CESAR POOT HERNANDEZ ERNESTO PEREZ RUEDA KATYA RODRIGUEZ VAZQUEZ et al.	Computational and Structural Biotechnology Journal	2015
66	Main functions and taxonomic distribution of virulence genes in brucella melitensis 16 M	Aniel Jessica Leticia Brambila Tapia Dagoberto Armenta Medina Nancy Rivera Gomez et al.	PLOS ONE	2014

ERNESTO PEREZ RUEDA

67	A functional and phylogenetic comparison of quorum sensing related genes in Brucella melitensis 16M	Aniel Jessica Leticia Brambila Tapia ERNESTO PEREZ RUEDA	JOURNAL OF MICROBIOLOGY	2014
68	Characterization of pituitary growth hormone and its receptor in the green iguana (Iguana iguana)	Jose Avila Mendoza MARTHA ELIZABETH CARRANZA SALAS ERNESTO PEREZ RUEDA et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2014
69	Comparative genomics of nucleotide metabolism: A tour to the past of the three cellular domains of life	Dagoberto Armenta Medina LORENZO PATRICK SEGOVIA FORCELLA ERNESTO PEREZ RUEDA	Bmc Genomics	2014
70	Further Characterization of Functional Domains of PerA, Role of Amino and Carboxy Terminal Domains in DNA Binding	J. Antonio Ibarra Cristina Lara Ochoa ERNESTO PEREZ RUEDA et al.	PLOS ONE	2013
71	Global analysis of transcriptional regulators in Staphylococcus aureus	ERNESTO PEREZ RUEDA Ibarra, Jose Antonio Carroll, Ronan K. et al.	Bmc Genomics	2013
72	Transcription Factors in Escherichia coli Prefer the Holo Conformation	Yalbi Itzel Balderas Martinez HELADIA SALGADO OSORIO ERNESTO PEREZ RUEDA et al.	PLOS ONE	2013
73	Increments and Duplication Events of Enzymes and Transcription Factors Influence Metabolic and Regulatory Diversity in Prokaryotes	Augusto Cesar Poot Hernandez KATYA RODRIGUEZ VAZQUEZ ERNESTO PEREZ RUEDA et al.	PLOS ONE	2013
74	Lessons from the modular organization of the transcriptional regulatory network of Bacillus subtilis	JULIO AUGUSTO FREYRE GONZALEZ Alejandra M. Manjarrez Casas ENRIQUE MERINO PEREZ et al.	BMC SYSTEMS BIOLOGY	2013
75	Rhizobium etli asparaginase II An alternative for acute lymphoblastic leukemia (ALL) treatment (vol 22, pg 292, 2012)	ALEJANDRO HUERTA SAQUERO ERNESTO PEREZ RUEDA Evangelista-Martinez, Zahaed et al.	BIOENGINEERED	2013
76	Identification of volatile compounds produced by the bacterium Burkholderia tropica that inhibit the growth of fungal pathogens	Silvia Tenorio Salgado JOSE RAUNEL TINOCO VALENCIA RAFAEL VAZQUEZ DUHALT et al.	Bioengineered Bugs	2013
77	Biochemical characterization of recombinant L-asparaginase (AnsA) from Rhizobium etli, a member of an increasing Rhizobial-type family of L-asparaginases	ROBERTO ALEJANDRO ARREGUIN ESPINOSA DE LOS MONTEROS ERNESTO PEREZ RUEDA ALEJANDRO HUERTA SAQUERO et al.	JOURNAL OF MICROBIOLOGY AND BIOTECHNOLOGY	2012
78	The repertoire of DNA-binding transcription factors in prokaryotes: Functional and evolutionary lessons	ERNESTO PEREZ RUEDA MARIO ALBERTO MARTINEZ NUÑEZ	Science Progress	2012

ERNESTO PEREZ RUEDA

79	Identification of functional motions in the adenylate kinase (ADK) protein family by computational hybrid approaches	Dagoberto Armenta Medina ERNESTO PEREZ RUEDA LORENZO PATRICK SEGOVIA FORCELLA	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2011
80	A comparative genome analysis of the RpoS sigmulon shows a high diversity of responses and origins	Alberto Santos Zavaleta MA. DEL SOCORRO GAMA CASTRO ERNESTO PEREZ RUEDA	MICROBIOLOGY-SGM	2011
81	Diversity and distribution of transcription factors: Their partner domains play an important role in regulatory plasticity in bacteria	Nancy Rivera Gomez LORENZO PATRICK SEGOVIA FORCELLA ERNESTO PEREZ RUEDA	MICROBIOLOGY-SGM	2011
82	Coiled-coil domains enhance the membrane association of Salmonella type III effectors	ERNESTO PEREZ RUEDA Knodler, Leigh A. Ibarra, J. Antonio et al.	CELLULAR MICROBIOLOGY	2011
83	New insights on gene regulation in archaea	Silvia Tenorio Salgado ALEJANDRO HUERTA SAQUERO ERNESTO PEREZ RUEDA	Computational Biology And Chemistry	2011
84	New insights into the regulatory networks of paralogous genes in bacteria	ERNESTO PEREZ RUEDA ROSA MARIA GUTIERREZ RIOS ENRIQUE MERINO PEREZ et al.	MICROBIOLOGY-SGM	2010
85	Differential gene expression in Litopenaeus vannamei shrimp in response to diet changes	G. Chavez Calvillo ERNESTO PEREZ RUEDA GABRIEL LIZAMA UC et al.	Aquaculture	2010
86	Identification and Genomic Analysis of Transcription Factors in Archaeal Genomes Exemplifies Their Functional Architecture and Evolutionary Origin	ERNESTO PEREZ RUEDA Janga, Sarath Chandra	MOLECULAR BIOLOGY AND EVOLUTION	2010
87	Plasticity of transcriptional machinery in bacteria is increased by the repertoire of regulatory families	ERNESTO PEREZ RUEDA Janga, Sarath Chandra	Computational Biology And Chemistry	2009
88	Scaling relationship in the gene content of transcriptional machinery in bacteria	ERNESTO PEREZ RUEDA Janga, Sarath Chandra Martinez-Antonio, Agustino	MOLECULAR BIOSYSTEMS	2009
89	Protein homology detection and fold inference through multiple alignment entropy profiles	FIDEL ALEJANDRO SANCHEZ FLORES ERNESTO PEREZ RUEDA LORENZO PATRICK SEGOVIA FORCELLA	PROTEINS-STRUCTURE FUNCTION AND BIOINFORMATICS	2008
90	The DNA-binding domain as a functional indicator: The case of the AraC/XylS family of transcription factors	J. Antonio Ibarra ERNESTO PEREZ RUEDA LORENZO PATRICK SEGOVIA FORCELLA et al.	Genetica	2008

ERNESTO PEREZ RUEDA

91	The hidden universal distribution of amino acid biosynthetic networks: A genomic perspective on their origins and evolution	Georgina Hernandez Montes J. Javier Diaz Mejia ERNESTO PEREZ RUEDA et al.	GENOME BIOLOGY	2008
92	Ligand-binding prediction in the resistance-nodulation-cell division (RND) proteins	ARMANDO HERNANDEZ MENDOZA MA. DEL CARMEN MONSERRAT QUINTO HERNANDEZ LORENZO PATRICK SEGOVIA FORCELLA et al.	Computational Biology And Chemistry	2007
93	A network perspective on the evolution of metabolism by gene duplication	ERNESTO PEREZ RUEDA LORENZO PATRICK SEGOVIA FORCELLA Díaz-Mejía J.J.	GENOME BIOLOGY	2007
94	Identification and analysis of DNA-binding transcription factors in Bacillus subtilis and other Firmicutes - A genomic approach	ERNESTO PEREZ RUEDA Moreno-Campuzano S. Janga S.C.	Bmc Genomics	2006
95	Isolation and characterization of functional insertion sequences of rhizobia	MARIA ESPERANZA MARTINEZ ROMERO ERNESTO PEREZ RUEDA Hernandez-Lucas I. et al.	FEMS MICROBIOLOGY LETTERS	2006
96	TRACTOR_DB: A database of regulatory networks in gamma-proteobacterial genomes	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES González A.D. et al.	NUCLEIC ACIDS RESEARCH	2005
97	Phylogenetic distribution of DNA-binding transcription factors in bacteria and archaea	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES LORENZO PATRICK SEGOVIA FORCELLA	Computational Biology And Chemistry	2004
98	Transcription unit conservation in the three domains of life: A perspective from Escherichia coli	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES Moreno-Hagelsieb G. et al.	TRENDS IN GENETICS	2001
99	RegulonDB (version 3.2): Transcriptional regulation and operon organization in Escherichia coli K-12	HELADIA SALGADO OSORIO ALBERTO SANTOS ZAVALETA MA. DEL SOCORRO GAMA CASTRO et al.	NUCLEIC ACIDS RESEARCH	2001
100	Common history at the origin of the position - Function correlation in transcriptional regulators in archaea and bacteria	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES	JOURNAL OF MOLECULAR EVOLUTION	2001
101	The repertoire of DNA-binding transcriptional regulators in Escherichia coli K-12	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES	NUCLEIC ACIDS RESEARCH	2000
102	Genomic position analyses and the transcription machinery	ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES Gralla J.D.	JOURNAL OF MOLECULAR BIOLOGY	1998

ERNESTO PEREZ RUEDA

103	From specific gene regulation to genomic networks: A global analysis of transcriptional regulation in Escherichia coli	ARACELI HUERTA MORENO ERNESTO PEREZ RUEDA PEDRO JULIO COLLADO VIDES et al.	Bioessays	1998

ERNESTO PEREZ RUEDA

LIBROS Y CAPITULOS CON ISBN

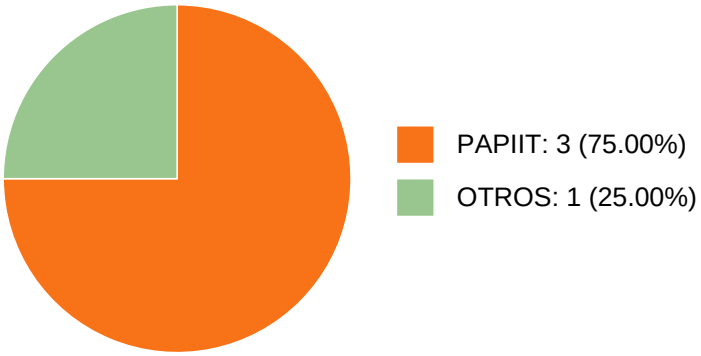
Obras con registro ISBN

#	Título	Autores	Alcance	Año	ISBN
1	Avances y perspectivas de la Biotecnología en la Península de Yucatán	ERNESTO PEREZ RUEDA	Libro Completo	2019	9786079734466
2	Evolution of DNA-binding Transcription Factors and Regulatory Networks in	ERNESTO PEREZ RUEDA	Capítulo de un Libro	2012	9781908230034

ERNESTO PEREZ RUEDA

PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos

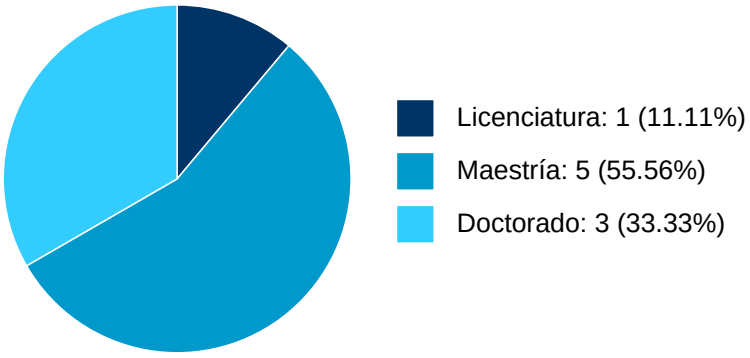


#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Comparación y predicción de rutas metabólicas utilizando algoritmos genéticos, programación dinámica y cadenas ocultas de Markov: Un enfoque genómico	ERNESTO PEREZ RUEDA	Recursos PAPIIT	01-01-2017	31-12-2019
2	Comparación de rutas metabólicas utilizando algoritmos genéticos, programación dinámica y Cadenas ocultas de Markov.	ERNESTO PEREZ RUEDA	Recursos PAPIIT	01-01-2020	31-12-2022
3	Análisis funcional de los factores transcripcionales en procariotes por genómica comparativa	ERNESTO PEREZ RUEDA	Recursos PAPIIT	01-01-2023	31-12-2025
4	Comparación funcional y predicción de rutas metabólicas utilizando algoritmos genético, programación dinámica y cadenas ocultas de Markov.	ERNESTO PEREZ RUEDA	Recursos CONAHCyT	01-01-2023	31-10-2023

ERNESTO PEREZ RUEDA

PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis



#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Análisis de la estructura de la red de regulación por ncRNA en pacientes con cáncer de mama	Tesis de Maestría	ERNESTO PEREZ RUEDA,	Drago García, Diana,	Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas,	2017
2	Diversidad bacteriana presente en el sedimento superficial de cuatro arrecifes de coral, ubicados sobre la Plataforma Continental de la Península de Yucatán - México	Tesis de Maestría	ROCIO JETZABEL ALCANTARA HERNANDEZ,	MARIA LETICIA ARENA ORTIZ, ANASTAZIA TERESA HELENA BANASZAK, et al.	Facultad de Ciencias, Instituto de Ciencias del Mar y Limnología, Instituto de Ecología, Instituto de Geología, Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas,	2017

ERNESTO PEREZ RUEDA

3	Estudio comparativo del metabolismo de las gammaproteobacterias mediante alineamientos de pasos enzimáticos	Tesis de Doctorado	ERNESTO PEREZ RUEDA,	Poot Hernández, Augusto César,	Instituto de Biotecnología,	2016
4	Análisis del origen y evolución del metabolismo de nucleótidos desde una perspectiva genómica	Tesis de Doctorado	ERNESTO PEREZ RUEDA,	Armenta Medina, Dagoberto,	Facultad de Ciencias,	2015
5	Identificación y análisis de los dominios de interacción a ligando en factores de transcripción	Tesis de Doctorado	ERNESTO PEREZ RUEDA,	Rivera Gómez, Nancy,	Instituto de Biotecnología,	2013
6	Alineamiento múltiple de vías metabólicas usando cómputo evolutivo	Tesis de Maestría	ERNESTO PEREZ RUEDA,	KATYA RODRIGUEZ VAZQUEZ, Ortegón Cano, Patricia Guadalupe,	Instituto de Biotecnología, Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas,	2011
7	Estudio de la microbiota del sistema digestivo en el camarón blanco Litopenaeus vannamei	Tesis de Maestría	JUAN JOSE ALPUCHE OSORNO,	MARIA LETICIA ARENA ORTIZ, LUIS ANGEL MALDONADO MANJARREZ, et al.	Facultad de Ciencias, Instituto de Biotecnología, Instituto de Ciencias del Mar y Limnología,	2011
8	Flora bacteriana funcional en el tracto digestivo del camarón blanco L. vannamei. Un estudio enfocado a su participación en la digestión	Tesis de Maestría	MARIA LETICIA ARENA ORTIZ,	PINDARO DIAZ JAIMES, MARTHA GABRIELA GAXIOLA CORTES, et al.	Facultad de Ciencias, Instituto de Biotecnología, Instituto de Ciencias del Mar y Limnología,	2011

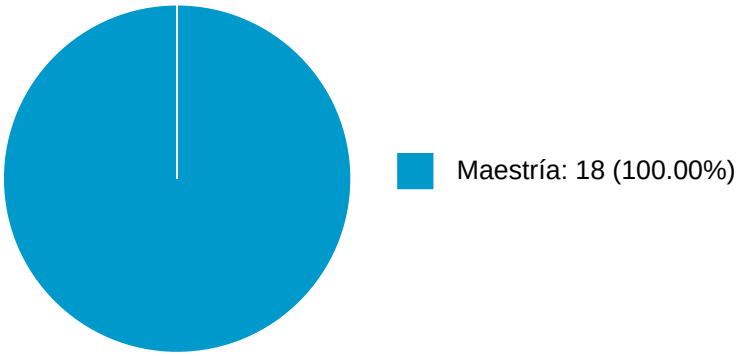
ERNESTO PEREZ RUEDA

9	Prediccion de residuos funcionalmente importantes en el dominio de union al ligando de la familia de factores transcripcionales Crp/Fnr en bacterias	Tesis de Licenciatura	ERNESTO PEREZ RUEDA,	Peñaloza Spinola, Monica Ivonne,		2007

ERNESTO PEREZ RUEDA

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TEMAS SELECTOS DE INTELIGENCIA ARTIFICIAL (MACHINE LEARNING EN BIOINFORMÁTICA)	Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas	1	2024-1
2	Maestría	TEMAS SELECTOS DE INTELIGENCIA ARTIFICIAL	Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas	1	2022-2
3	Maestría	TEMAS SELECTOS DE INTELIGENCIA ARTIFICIAL	Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas	2	2022-1
4	Maestría	TEMAS SELECTOS DE INTELIGENCIA ARTIFICIAL,(INTRODUCCIÓN A LA BIOINFORMATICA)	Instituto de Investigaciones en Matemáticas Aplicadas y en Sistemas	1	2018-2
5	Maestría	TRABAJO DE INVESTIGACION III-313572	Facultad de Química	1	2017-1
6	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Química	1	2016-2
7	Maestría	CURSO IV	Instituto de Biotecnología	2	2014-1
8	Maestría	TRABAJO DE INVESTIGACION III	Instituto de Biotecnología	1	2012-2
9	Maestría	TRABAJO DE INVESTIGACION III	Instituto de Biotecnología	1	2012-1
10	Maestría	TRABAJO DE INVESTIGACION II	Instituto de Biotecnología	1	2012-1
11	Maestría	CURSO IV	Instituto de Biotecnología	1	2011-2
12	Maestría	CURSO III	Instituto de Biotecnología	3	2011-2

ERNESTO PEREZ RUEDA

13	Maestría	TRABAJO DE INVESTIGACION II	Instituto de Biotecnología	1	2011-2
14	Maestría	TRABAJO DE INVESTIGACION III	Instituto de Biotecnología	1	2011-1
15	Maestría	TRABAJO DE INVESTIGACION II	Instituto de Biotecnología	1	2010-2
16	Maestría	CURSO III	Instituto de Biotecnología	2	2008-2
17	Maestría	CURSO IV	Instituto de Biotecnología	1	2008-2
18	Maestría	CURSO III	Instituto de Biotecnología	4	2008-1

ERNESTO PEREZ RUEDA

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