



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



RUBEN PAUL GAYTAN COLIN

Datos Generales

Nombre: RUBEN PAUL GAYTAN COLIN

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 35 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Instituto de Biotecnología
Desde 01-01-2008 (fecha inicial de registros en el SIIA)

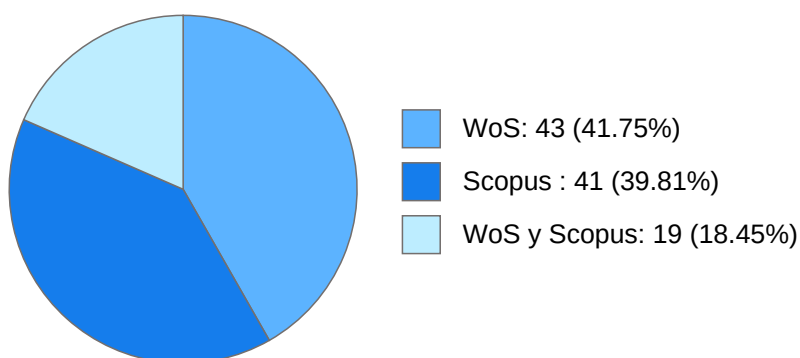
Estímulos, programas, premios y reconocimientos

SNI I - VIGENTE
PRIDE D - 2024

RUBEN PAUL GAYTAN COLIN

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Photoactivatable Blue Fluorescent Protein	RUBEN PAUL GAYTAN COLIN Roldán-Salgado A.	Acs Omega	2024
2	Heterologous Production of Bacteriocin EMMI from Pseudomonas Protegens and its Antimicrobial Activity against Multidrug-resistant Clinical Isolates	RUBEN PAUL GAYTAN COLIN Bernabé-Pérez E.A. Juárez-González V.R. et al.	INTERNATIONAL JOURNAL OF PEPTIDE RESEARCH AND THERAPEUTICS	2024
3	A novel violet fluorescent protein contains a unique oxidized tyrosine as the simplest chromophore ever reported in fluorescent proteins	RUBEN PAUL GAYTAN COLIN Abigail Roldan-Salgado Liya Muslinkina et al.	PROTEIN SCIENCE	2022
4	Glucose transport engineering allows mimicking fed-batch performance in batch mode and selection of superior producer strains	JUAN CARLOS SIGALA ALANIS LUZ MARIA MARTINEZ MEJIA RUBEN PAUL GAYTAN COLIN et al.	MICROBIAL CELL FACTORIES	2022
5	Clinical Manifestations, Mutational Analysis, and Immunological Phenotype in Patients with RAG1/2 Mutations: First Cases Series from Mexico and Description of Two Novel Mutations	RUBEN PAUL GAYTAN COLIN JORGE ARTURO YAÑEZ PONCE DE LEON Saul Oswaldo Lugo-Reyes et al.	JOURNAL OF CLINICAL IMMUNOLOGY	2021

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6	Clinical Manifestations, Mutational Analysis, and Immunological Phenotype in Patients with RAG1/2 Mutations: First Cases Series from Mexico and Description of Two Novel Mutations (May, 10.1007/s10875-021-01052-0, 2021)	RUBEN PAUL GAYTAN COLIN JORGE ARTURO YAÑEZ PONCE DE LEON Saul Oswaldo Lugo-Reyes et al.	JOURNAL OF CLINICAL IMMUNOLOGY	2021
7	Growth inhibition of pathogenic microorganisms by Pseudomonas protegens EMM-1 and partial characterization of inhibitory substances	RUBEN PAUL GAYTAN COLIN Cesa-Luna C. Baez A. et al.	PLOS ONE	2020
8	The mKate fluorescent protein expressed by Leishmania mexicana modifies the parasite immunopathogenicity in BALB/c mice	ALMA REYNA ESCALONA MONTAÑO NORMA LILIA SALAIZA SUAZO ADRIANA RUIZ REMIGIO et al.	PARASITE IMMUNOLOGY	2019
9	Growth-dependent recombinant product formation kinetics can be reproduced through engineering of glucose transport and is prone to phenotypic heterogeneity	RUBEN PAUL GAYTAN COLIN GEORGINA TERESA HERNANDEZ CHAVEZ ALFREDO MARTINEZ JIMENEZ et al.	MICROBIAL CELL FACTORIES	2019
10	Structural Factors Enabling Successful GFP-Like Proteins with Alanine as the Third Chromophore-Forming Residue	RUBEN PAUL GAYTAN COLIN ENRIQUE RUDIÑO PIÑERA Muslinkina L. et al.	JOURNAL OF MOLECULAR BIOLOGY	2019
11	Enhanced Tolerance against a Fungal Pathogen and Insect Resistance in Transgenic Tobacco Plants Overexpressing an Endochitinase Gene from Serratia marcescens	RUBEN PAUL GAYTAN COLIN GERARDO ALFONSO CORZO BURGUETE Navarro-González S.S. et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2019
12	Surface modification of protein enhances encapsulation in chitosan nanoparticles	KATRIN QUESTER RUBEN PAUL GAYTAN COLIN ALEJANDRO HUERTA SAQUERO et al.	Applied Nanoscience	2018
13	A new subtype of Entamoeba gingivalis: ?E. gingivalis ST2, kamaktli variant?	JORGE ARTURO YAÑEZ PONCE DE LEON RUBEN PAUL GAYTAN COLIN García G. et al.	PARASITOLOGY RESEARCH	2018
14	Prevalence of two Entamoeba gingivalis ST1 and ST2-kamaktli subtypes in the human oral cavity under various conditions	JORGE ARTURO YAÑEZ PONCE DE LEON RUBEN PAUL GAYTAN COLIN García G. et al.	PARASITOLOGY RESEARCH	2018
15	CiPerGenesis, A Mutagenesis Approach that Produces Small Libraries of Circularly Permuted Proteins Randomly Opened at a Focused Region: Testing on the Green Fluorescent Protein	RUBEN PAUL GAYTAN COLIN JORGE ARTURO YAÑEZ PONCE DE LEON Abigail Roldan-Salgado et al.	ACS COMBINATORIAL SCIENCE	2018

RUBEN PAUL GAYTAN COLIN

16	Two Novel Mutations in ZAP70 Gene that Result in Human Immunodeficiency	RUBEN PAUL GAYTAN COLIN JORGE ARTURO YAÑEZ PONCE DE LEON MARIO ERNESTO CRUZ MUÑOZ et al.	JOURNAL OF CLINICAL IMMUNOLOGY	2017
17	A Codon Deletion at the Beginning of Green Fluorescent Protein Genes Enhances Protein Expression	JOEL OSUNA QUINTERO ENRIQUE MERINO PEREZ RUBEN PAUL GAYTAN COLIN et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOG Y	2017
18	Spiked Genes: A Method to Introduce Random Point Nucleotide Mutations Evenly throughout an Entire Gene Using a Complete Set of Spiked Oligonucleotides for the Assembly	JOEL OSUNA QUINTERO JORGE ARTURO YAÑEZ PONCE DE LEON GLORIA SAAB RINCON et al.	Acs Omega	2017
19	Two novel mutations in ZAP70 gene that result in human immunodeficiency	RUBEN PAUL GAYTAN COLIN JORGE ARTURO YAÑEZ PONCE DE LEON Adriana Llamas-Guillen, Beatriz et al.	CLINICAL IMMUNOLOGY	2017
20	First record of bartonella vinsonii in the sucking louse hoplopleura hirsuta collected from hispid cotton rats, sigmodon hispidus, in Mexico	DANIEL SOKANI SANCHEZ MONTES MARIA DEL CARMEN GUZMAN CORNEJO JOSE JUAN FLORES MARTINEZ et al.	Southwestern Entomologist	2016
21	LanFP10-A, first functional fluorescent protein whose chromophore contains the elusive mutation G67A	RUBEN PAUL GAYTAN COLIN Roldan-Salgado, Abigail Sanchez-Barreto, Celídee	Gene	2016
22	Insights into the evolution of enzyme substrate promiscuity after the discovery of (βa)8 isomerase evolutionary intermediates from a diverse metagenome	GABRIELA MARGARITA MONTERO MORAN RUBEN PAUL GAYTAN COLIN NodaGarcia, Lianet et al.	BMC EVOLUTIONARY BIOLOGY	2015
23	Development of molecular tools to monitor conjugative transfer in rhizobia	Luis Alfredo Banuelos LAURA CERVANTES DE LA LUZ RUBEN PAUL GAYTAN COLIN et al.	JOURNAL OF MICROBIOLOGIC AL METHODS	2015
24	Identification of a New Alcaligenes faecalis Strain MOR02 and Assessment of Its Toxicity and Pathogenicity to Insects	ARMANDO HERNANDEZ MENDOZA GABRIEL GUILLEN SOLIS FEDERICO ESTEBAN SANCHEZ RODRIGUEZ et al.	BIOMED RESEARCH INTERNATIONAL	2015
25	Molecular epidemiology and genetic diversity of Entamoeba species in a chelonian collection	Gabriela Garcia Fernando Ramos Rodrigo Gutierrez Perez et al.	JOURNAL OF MEDICAL MICROBIOLOGY	2014
26	Repetitive use of polyacrylamide gels for the analysis and purification of oligonucleotides	RUBEN PAUL GAYTAN COLIN EUGENIO LOPEZ BUSTOS LEOPOLDO GUERCA GURROLA	ANALYTICAL BIOCHEMISTRY	2013

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27	Elimination of redundant and stop codons during the chemical synthesis of degenerate oligonucleotides. Combinatorial testing on the chromophore region of the red fluorescent protein mKate	RUBEN PAUL GAYTAN COLIN Abigail Roldan Salgado	ACS SYNTHETIC BIOLOGY	2013
28	Evolution of substrate specificity in a recipient's enzyme following horizontal gene transfer	Aldo R. Camacho Zarco Sofia Medina Ruiz RUBEN PAUL GAYTAN COLIN et al.	MOLECULAR BIOLOGY AND EVOLUTION	2013
29	A reporter system that discriminates EF-hand-sensor motifs from signal-modulators at the single-motif level	JOEL OSUNA QUINTERO HUMBERTO FLORES SOTO RUBEN PAUL GAYTAN COLIN	FEBS LETTERS	2012
30	The Genome Project of Taenia solium	JUAN ENRIQUE MORETT SANCHEZ ALEJANDRO ANGEL GARCIA RUBIO GRANADOS RAUL JOSE BOBES RUIZ et al.	INFECTION GENETICS AND EVOLUTION	2009
31	Chemical synthesis of oligonucleotides using acetone as a washing solvent	RUBEN PAUL GAYTAN COLIN	Biotechniques	2009
32	The Taenia solium genome project: progress report	ALEJANDRO ANGEL GARCIA RUBIO GRANADOS KAREL JOHAN ESTRADA GUERRA RAUL JOSE BOBES RUIZ et al.	TROPICAL MEDICINE & INTERNATIONAL HEALTH	2009
33	TrimerDimer: an oligonucleotide-based saturation mutagenesis approach that removes redundant and stop codons	RUBEN PAUL GAYTAN COLIN Casandra Contreras Zambrano Monica Ortiz Alvarado et al.	NUCLEIC ACIDS RESEARCH	2009
34	The effect of amino acid deletions and substitutions in the longest loop of GFP	JOEL OSUNA QUINTERO FRANCISCO XAVIER DEL ESPIRITU SANTO SOBERON MAINERO RUBEN PAUL GAYTAN COLIN et al.	BMC Chemical Biology	2007
35	The genome project of Taenia solium	JOSE HUGO AGUILAR DIAZ RAUL JOSE BOBES RUIZ JULIO CESAR CARRERO SANCHEZ et al.	PARASITOLOGY INTERNATIONAL	2006
36	Improvement of an unusual twin-arginine transporter leader peptide by a codon-based randomization approach	OLGA LIDIA MONROY LAGOS FRANCISCO XAVIER DEL ESPIRITU SANTO SOBERON MAINERO RUBEN PAUL GAYTAN COLIN et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2006
37	Improving random mutagenesis by purification of the oligonucleotide variants	RUBEN PAUL GAYTAN COLIN JORGE ARTURO YAÑEZ PONCE DE LEON RICARDO ALFREDO GRANDE CANO et al.	COMBINATORIAL CHEMISTRY & HIGH THROUGHPUT SCREENING	2005

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38	Protein evolution by codon-based random deletions.	JOEL OSUNA QUINTERO JORGE ARTURO YAÑEZ PONCE DE LEON FRANCISCO XAVIER DEL ESPIRITU SANTO SOBERON MAINERO et al.	NUCLEIC ACIDS RESEARCH	2004
39	Combinatorial codon-based amino acid substitutions.	JORGE ARTURO YAÑEZ PONCE DE LEON JOEL OSUNA QUINTERO FRANCISCO XAVIER DEL ESPIRITU SANTO SOBERON MAINERO et al.	NUCLEIC ACIDS RESEARCH	2004
40	Novel ceftazidime-resistance beta-lactamases generated by a codon-based mutagenesis method and selection.	RUBEN PAUL GAYTAN COLIN JOEL OSUNA QUINTERO FRANCISCO XAVIER DEL ESPIRITU SANTO SOBERON MAINERO	NUCLEIC ACIDS RESEARCH	2002
41	Orthogonal combinatorial mutagenesis: a codon-level combinatorial mutagenesis method useful for low multiplicity and amino acid-scanning protocols.	RUBEN PAUL GAYTAN COLIN JORGE ARTURO YAÑEZ PONCE DE LEON FILIBERTO SANCHEZ LOPEZ et al.	NUCLEIC ACIDS RESEARCH	2001
42	Combination of DMT-monomucleotide and Fmoc-trinucleotide phosphoramidites in oligonucleotide synthesis affords an automatable codon-level mutagenesis method	RUBEN PAUL GAYTAN COLIN JORGE ARTURO YAÑEZ PONCE DE LEON FILIBERTO SANCHEZ LOPEZ et al.	CHEMISTRY & BIOLOGY	1998
43	A new method for oligonucleotide derivatization of the 3' or 5'- termini with a CPG-support carrying the natural product isoargentatin-D	RUBEN PAUL GAYTAN COLIN JORGE ARTURO YAÑEZ PONCE DE LEON FRANCISCO XAVIER DEL ESPIRITU SANTO SOBERON MAINERO et al.	TETRAHEDRON LETTERS	1997
44	Sequence-specific detection of PCR-amplified DNA by restriction enzyme release of hybrids	ERENDIRA GEORGINA ESTRADA VILLASEÑOR RUBEN PAUL GAYTAN COLIN ALEJANDRO ALAGON CANO et al.	MOLECULAR AND CELLULAR PROBES	1996



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RUBEN PAUL GAYTAN COLIN

DOCENCIA IMPARTIDA

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RUBEN PAUL GAYTAN COLIN

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	2008-2025
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