



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



HERLINDA CATALINA CLEMENT CARRETERO

Datos Generales

Nombre: HERLINDA CATALINA CLEMENT CARRETERO

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 17 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Instituto de Biotecnología
Desde 01-02-2020

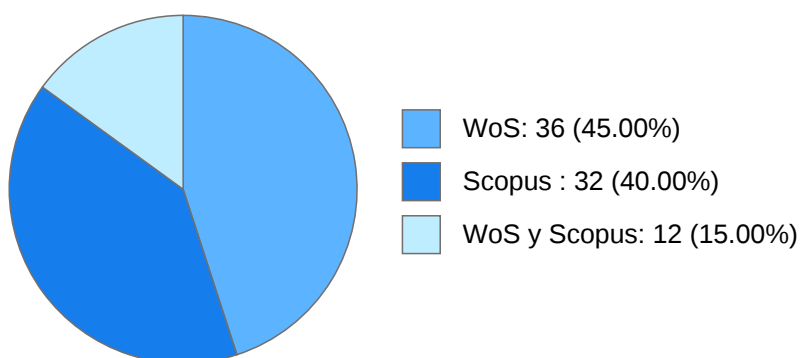
Estímulos, programas, premios y reconocimientos

SNI I 2015 - VIGENTE
SNI C 2012 - 2014
PRIDE D 2022 - 2024
PRIDE C 2009 - 2022

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Revisiting toxins with transcriptomics-informed proteomics of venom glands and crude venom from <i>Centruroides bicolor</i> from Panama	MAGDALENA HERNANDEZ ORTIZ HERLINDA CATALINA CLEMENT CARRETERO SERGIO MANUEL ENCARNACION GUEVARA et al.	JOURNAL OF PROTEOMICS	2025
2	Ion-Channel-Targeting Scorpion Recombinant Toxin as Novel Therapeutic Agent for Breast Cancer	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Natalia Mata de los Rios et al.	Toxins	2025
3	Transcriptomics-Informed Proteomics of Venom Glands and Crude Venom from <i>Tityus cf. Asthenes</i> from Panama: Enzymes, Proteins, Toxins, and Antimicrobial Peptides	MAGDALENA HERNANDEZ ORTIZ HERLINDA CATALINA CLEMENT CARRETERO LORENA HERNANDEZ ORIHUELA et al.	JOURNAL OF PROTEOME RESEARCH	2025
4	Antimicrobial, toxicological, and antigenic characteristics of three scorpion venoms from Colombia: <i>Centruroides margaritatus</i> , <i>Tityus pachyurus</i> and <i>Tityus n. sp. aff. metuendus</i>	HERLINDA CATALINA CLEMENT CARRETERO LORENA HERNANDEZ ORIHUELA GERARDO ALFONSO CORZO BURGUETE et al.	ACTA TROPICA	2024

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5	An overview of some enzymes from buthid scorpion venoms from Colombia: <i>Centruroides margaritatus</i> , <i>Tityus pachyurus</i> , and <i>n. aff. metuendus</i>	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Leydy Lorena Mendoza-Tobar et al.	Journal of Venomous Animals and Toxins Including Tropical Diseases	2024
6	A consensus recombinant elapid long-chain α -neurotoxin and how protein folding matters for antibody recognition and neutralization of elapid venoms	HERLINDA CATALINA CLEMENT CARRETERO IVAN ARENAS SOSA GERARDO ALFONSO CORZO BURGUETE et al.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIO NS	2024
7	cdNA Cloning, Heterologous Expression, Cytotoxicity, and Inhibitory Effects of a Disintegrin from <i>Bothrops ammodytoides</i> Venom	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Corrales-García L.L. et al.	INTERNATIONAL JOURNAL OF PEPTIDE RESEARCH AND THERAPEUTICS	2023
8	Heterologous Expression of an Insecticidal Peptide Obtained from the Transcriptome of the Colombian Spider <i>Phoneutria depilate</i>	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Vásquez-Escobar J. et al.	Toxins	2023
9	Identification and Venom Characterization of Two Scorpions from the State of Chihuahua Mexico: <i>Chihuahuanus coahuilae</i> and <i>Chihuahuanus crassimannus</i>	HERLINDA CATALINA CLEMENT CARRETERO MARIA DE LOURDES BALLINAS CASARRUBIAS FERNANDO ZAMUDIO ZUÑIGA et al.	Toxins	2023
10	Heterologous expression of four recombinant toxins from Panamanian scorpions of the genus <i>Tityus</i> and <i>Centruroides</i> for production of antivenom	HERLINDA CATALINA CLEMENT CARRETERO FERNANDO ZAMUDIO ZUÑIGA LOURIVAL DOMINGOS POSSANI POSTAY et al.	TOXICON-X	2022
11	Discovery of human Hv1 channel peptide inhibitors	IVAN ESAU ARENAS ORTIZ HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE et al.	BIOPHYSICAL JOURNAL	2022
12	Transcriptomic Analysis of the Venom Gland and Enzymatic Characterization of the Venom of <i>Phoneutria depilata</i> (Ctenidae) from Colombia	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Vásquez-Escobar J. et al.	Toxins	2022

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13	Antimicrobial and Immunomodulatory Effects of Selected Chemokine and Antimicrobial Peptide on Cytokine Profile during Salmonella Typhimurium Infection in Mouse	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Tuxpan-Pérez A. et al.	ANTIBIOTICS-BA SEL	2022
14	Crotoxin B: Heterologous Expression, Protein Folding, Immunogenic Properties, and Irregular Presence in Crotalid Venoms	HERLINDA CATALINA CLEMENT CARRETERO TIMOTEO CELSO OLAMENDI PORTUGAL GERARDO ALFONSO CORZO BURGUETE et al.	Toxins	2022
15	Intraspecific Differences in the Venom of Crotalus durissus cumanensis from Colombia	GERARDO ALFONSO CORZO BURGUETE HERLINDA CATALINA CLEMENT CARRETERO Ariadna Rodriguez-Vargas et al.	Toxins	2022
16	Recombinant expression and antigenicity of two peptide families of neurotoxins from Androctonus sp.	HERLINDA CATALINA CLEMENT CARRETERO IVAN ESAU ARENAS ORTIZ FELIPE OLVERA RODRIGUEZ et al.	Journal of Venomous Animals and Toxins Including Tropical Diseases	2022
17	A Novel Insecticidal Spider Peptide that Affects the Mammalian Voltage-Gated Ion Channel hKv1.5	DIANA ALVARADO LIMA HERLINDA CATALINA CLEMENT CARRETERO TIMOTEO CELSO OLAMENDI PORTUGAL et al.	FRONTIERS IN PHARMACOLOG Y	2021
18	A Novel Spider Peptide that Affects the Voltage Gated Potassium Channel Kv1.5	DIANA ALVARADO LIMA HERLINDA CATALINA CLEMENT CARRETERO IVAN ESAU ARENAS ORTIZ et al.	BIOPHYSICAL JOURNAL	2021
19	Key amino acid residues involved in mammalian and insecticidal activities of Magi4 and Hv1b, cysteine-rich spider peptides from the delta-atracotoxin family	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Jesus Borrego et al.	Amino Acids	2020
20	cDNA cloning, heterologous expression, protein folding and immunogenic properties of a phospholipase A(2) from Bothrops ammodytoides venom	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Neri-Castro E. et al.	PROTEIN EXPRESSION AND PURIFICATION	2019
21	Immunogenic properties of recombinant enzymes from bothrops ammodytoides towards the generation of neutralizing antibodies against its own venom	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Corrales-García L.L. et al.	Toxins	2019

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22	Antimicrobial, Insecticides, Analgesics, and Hyaluronidases from the Venom Glands of Brachypelma Spiders	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE Barraza, Guillermo et al.	Toxinology	2016
23	Heterologous expression, protein folding and antibody recognition of a neurotoxin from the Mexican coral snake Micrurus laticorallus	HERLINDA CATALINA CLEMENT CARRETERO FERNANDO ZAMUDIO ZUÑIGA ALEJANDRO ALAGON CANO et al.	Journal of Venomous Animals and Toxins Including Tropical Diseases	2016
24	A comparison between the recombinant expression and chemical synthesis of a short cysteine-rich insecticidal spider peptide	HERLINDA CATALINA CLEMENT CARRETERO Vianey Flores Elia DiegoGarcia et al.	Journal of Venomous Animals and Toxins Including Tropical Diseases	2015
25	Mojave rattlesnake (Crotalus scutulatus scutulatus) with type B venom from Mexico	Edgar Neri Alejandro Carbajal Saucedo HERLINDA CATALINA CLEMENT CARRETERO et al.	Copeia	2014
26	Protein content of antivenoms and relationship with their immunochemical reactivity and neutralization assays	HERLINDA CATALINA CLEMENT CARRETERO ALEJANDRO ALAGON CANO de Roodt, A. R. et al.	CLINICAL TOXICOLOGY	2014
27	Isolation and Characterization of a D49 Phospholipase A2 from Rhinoceros (Bothrops) Ammodytoides venom	HERLINDA CATALINA CLEMENT CARRETERO NORMA ADRIANA VALDEZ CRUZ Costa de Oliveira, Vanessa et al.	Toxicon	2012
28	Identification, cDNA cloning and heterologous expression of a hyaluronidase from the tarantula Brachypelma vagans venom	HERLINDA CATALINA CLEMENT CARRETERO ALEJANDRO OLVERA RODRIGUEZ Mabel Rodriguez et al.	Toxicon	2012
29	Isolation, amino acid sequence and biological characterization of an "aspartic-49" phospholipase A(2) from Bothrops (Rhinoceros) ammodytoides venom	HERLINDA CATALINA CLEMENT CARRETERO FERNANDO ZAMUDIO ZUÑIGA NORMA ADRIANA VALDEZ CRUZ et al.	Toxicon	2012
30	Target Promiscuity and Heterogeneous Effects of Tarantula Venom Peptides Affecting Na ⁺ and K ⁺ Ion Channels	Rita Restano Cassulini Deyanira Fuentes Silva HERLINDA CATALINA CLEMENT CARRETERO et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2010

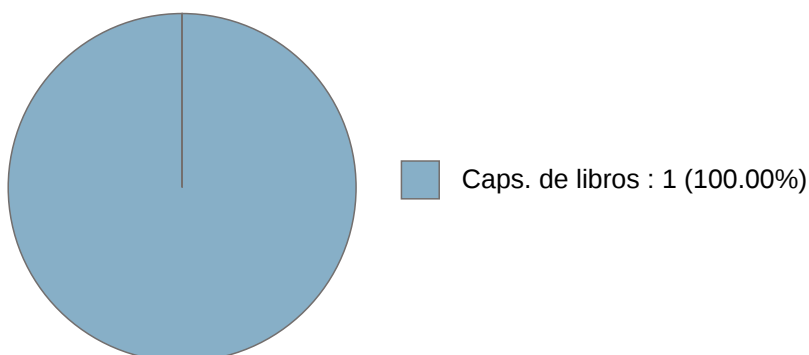
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31	Target promiscuity and heterogeneous effects of tarantula venom peptides affecting Na ⁺ and K ⁺ ion channels (The Journal of Biological Chemistry (2010) 285, 17, (13314))	HERLINDA CATALINA CLEMENT CARRETERO FERNANDO ZAMUDIO ZUÑIGA ALEJANDRO ALAGON CANO et al.	JOURNAL OF BIOLOGICAL CHEMISTRY	2010
32	Comparison of the peptidome and insecticidal activity of venom from a taxonomically diverse group of theraphosid spiders	HERLINDA CATALINA CLEMENT CARRETERO Gentz, Margaret C. Jones, Alun et al.	Toxicon	2009
33	Insecticidal peptides from the theraphosid spider Brachypelma albiceps: An NMR-based model of Ba2	GERARDO ALFONSO CORZO BURGUETE HERLINDA CATALINA CLEMENT CARRETERO LOURIVAL DOMINGOS POSSANI POSTAY et al.	BIOCHIMICA ET BIOPHYSICA ACTA-PROTEINS AND PROTEOMICS	2009
34	An insecticidal peptide from the theraphosid Brachypelma smithi spider venom reveals common molecular features among spider species from different genera	GERARDO ALFONSO CORZO BURGUETE Elia Diego Garcia HERLINDA CATALINA CLEMENT CARRETERO et al.	Peptides	2008
35	Isolation and characterization of a novel toxin from the venom of the spider Grammostola rosea that blocks sodium channels	HERLINDA CATALINA CLEMENT CARRETERO FERNANDO ZAMUDIO ZUÑIGA ALEJANDRO ALAGON CANO et al.	Toxicon	2007
36	North and South American Loxosceles spiders: Development of a polyvalent antivenom with recombinant sphingomyelinases D as antigens	ALEJANDRO OLVERA RODRIGUEZ BLANCA MARGARITA RAMOS CERRILLO HERLINDA CATALINA CLEMENT CARRETERO et al.	Toxicon	2006

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Antimicrobial, Insecticides, Analgesics, and Hyaluronidases from the Venom Glands of Brachypelma Spiders	HERLINDA CATALINA CLEMENT CARRETERO GERARDO ALFONSO CORZO BURGUETE	Capítulo de un Libro	2015	978940076646 4



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DOCENCIA IMPARTIDA

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PATENTES

#	Título	Inventores	Sección	Año
1	UN NUEVO PEPTIDO ANALGESICO PROVENIENTE DEL VENENO DE LA ARAÑA BRACHYPELMA VERDEZY.	GERARDO ALFONSO CORZO BURGUETE, HERLINDA CATALINA CLEMENT CARRETERO,	CHEMISTRY; METALLURGYHUMAN NECESSITIES	2017

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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