MARIA GUADALUPE MARTINEZ LORENZANA

Datos Generales

Nombre: MARIA GUADALUPE MARTINEZ LORENZANA

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 24 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Instituto de Neurobiología en Querétaro, Querétaro
Desde 01-01-2012

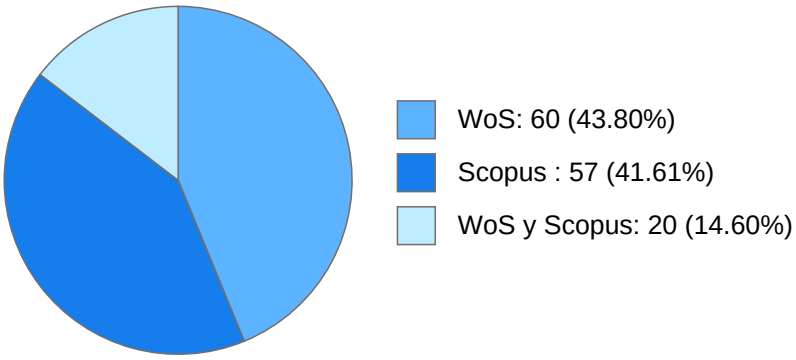
Estímulos, programas, premios y reconocimientos

SNI C 2023 - VIGENTE
SNI I - 2022
PRIDE D 2022 - 2024
PRIDE C - 2022
PASPA Estancias de Investigación en el extranjero 2018

MARIA GUADALUPE MARTINEZ LORENZANA

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Pramipexole decreases allodynia and hyperalgesia via NF-?B in astrocytes in rats with Parkinson's disease	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA Godínez-Chaparro B. et al.	PHARMACOLOG Y BIOCHEMISTRY AND BEHAVIOR	2025
2	The biased OTR ligands -atosiban and carbetocin- differentially inhibit early or late formalin-induced nociception in rats	MARIA GUADALUPE MARTINEZ LORENZANA GILBERTO ALEPH PRIETO MORENO MIGUEL CONDES Y LARA et al.	Neuropharmacology	2025
3	Hypothalamic Paraventricular Stimulation Inhibits Nociceptive Wide Dynamic Range Trigeminocervical Complex Cells via Oxytocinergic Transmission	MIGUEL CONDES Y LARA MARIA GUADALUPE MARTINEZ LORENZANA ABIMAEL GONZALEZ HERNANDEZ et al.	JOURNAL OF NEUROSCIENCE	2024
4	Hypothalamic cerebrospinal fluid-contacting neurons project to the rostral agranular insular cortex: An immunofluorescence and ultrastructural analysis in the rat	MARIA GUADALUPE MARTINEZ LORENZANA MA. LOURDES PALMA TIRADO ABIMAEL GONZALEZ HERNANDEZ et al.	EUROPEAN JOURNAL OF NEUROSCIENCE	2024
5	The role of the endocannabinoid 2-arachidonoylglycerol in the in vivo spinal oxytocin-induced antinociception in male rats	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA ABIMAEL GONZALEZ HERNANDEZ et al.	EXPERIMENTAL NEUROLOGY	2023

MARIA GUADALUPE MARTINEZ LORENZANA

6	Intrathecal atosiban or carbetocin inhibits early and late formalin-induced nociception by differential activation of oxytocin receptor in male and female rats	ABIMAEL GONZALEZ HERNANDEZ MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA et al.	BRITISH JOURNAL OF PHARMACOLOGY	2023
7	The glial cell?s role in antinociceptive differential effects of oxytocin upon female and male rats	FRANCISCO GABRIEL VAZQUEZ CUEVAS ADRIANA GONZALEZ GALLARDO MARIA GUADALUPE MARTINEZ LORENZANA et al.	EUROPEAN JOURNAL OF PAIN	2022
8	The differential in vivo contribution of spinal a2A- and a2C-adrenoceptors in tonic and acute evoked nociception in the rat	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA ABIMAEL GONZALEZ HERNANDEZ et al.	FRONTIERS IN PHARMACOLOGY	2022
9	Hypothalamic paraventricular stimulation inhibits trigeminal nociceptive transmission via oxytocin receptors	ABIMAEL GONZALEZ HERNANDEZ MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA	JOURNAL OF HEADACHE AND PAIN	2022
10	Cortical Modulation of Nociception	MARIA GUADALUPE MARTINEZ LORENZANA ABIMAEL GONZALEZ HERNANDEZ MIGUEL CONDES Y LARA et al.	Neuroscience	2021
11	In Vivo Dissection of Two Intracellular Pathways Involved in the Spinal Oxytocin-Induced Antinociception in the Rat	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA ABIMAEL GONZALEZ HERNANDEZ et al.	ACS CHEMICAL NEUROSCIENCE	2021
12	CLARITY with neuronal tracing and immunofluorescence to study the somatosensory system in rats	MARIA GUADALUPE MARTINEZ LORENZANA ATAULFO MARTINEZ TORRES ABIMAEL GONZALEZ HERNANDEZ et al.	JOURNAL OF NEUROSCIENCE METHODS	2021
13	Ultrastructural Evidence for Oxytocin and Oxytocin Receptor at the Spinal Dorsal Horn: Mechanism of Nociception Modulation	MARIA GUADALUPE MARTINEZ LORENZANA MA. LOURDES PALMA TIRADO ABIMAEL GONZALEZ HERNANDEZ et al.	Neuroscience	2021
14	Inhibition of nociceptive dural input to the trigeminocervical complex through oxytocinergic transmission	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA ABIMAEL GONZALEZ HERNANDEZ et al.	EXPERIMENTAL NEUROLOGY	2020
15	The Rostral Agranular Insular Cortex, a New Site of Oxytocin to Induce Antinociception	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA ABIMAEL GONZALEZ HERNANDEZ et al.	JOURNAL OF NEUROSCIENCE	2020

MARIA GUADALUPE MARTINEZ LORENZANA

16	Oxytocin prevents neuronal network pain-related changes on spinal cord dorsal horn in vitro	JESUS ESTEBAN PEREZ ORTEGA MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA et al.	Cell Calcium	2020
17	Intrathecal Oxytocin Improves Spontaneous Behavior and Reduces Mechanical Hypersensitivity in a Rat Model of Postoperative Pain	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA ABIMAEL GONZALEZ HERNANDEZ et al.	FRONTIERS IN PHARMACOLOGY	2020
18	Recurrent inhibition in the cerebral cortex	MARIA GUADALUPE MARTINEZ LORENZANA ABIMAEL GONZALEZ HERNANDEZ Béjar-Alonso J. et al.	NEUROSCIENCE LETTERS	2019
19	PVN oxytocinergic projections to the rostral agranular insular cortex and the possible role in nociception	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA ABIMAEL GONZALEZ HERNANDEZ et al.	JOURNAL OF NEUROCHEMISTRY	2019
20	Effect of local infiltration with oxytocin on hemodynamic response to surgical incision and postoperative pain in patients having open laparoscopic surgery under general anesthesia	ABIMAEL GONZALEZ HERNANDEZ MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA et al.	EUROPEAN JOURNAL OF PAIN	2019
21	Recurrent antinociception induced by intrathecal or peripheral oxytocin in a neuropathic pain rat model	ABIMAEL GONZALEZ HERNANDEZ MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA et al.	EXPERIMENTAL BRAIN RESEARCH	2019
22	Oxytocin inhibits the rat medullary dorsal horn Sp5c/C1 nociceptive transmission through OT but not V1A receptors	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA ABIMAEL GONZALEZ HERNANDEZ et al.	Neuropharmacology	2018
23	Axons of Individual Dorsal Horn Neurons Bifurcated to Project in Both the Anterolateral and the Postsynaptic Dorsal Column Systems	MIGUEL CONDES Y LARA MARIA GUADALUPE MARTINEZ LORENZANA JOSE GERARDO ROJAS PILONI et al.	Neuroscience	2018
24	The role of peripheral vasopressin 1A and oxytocin receptors on the subcutaneous vasopressin antinociceptive effects	ABIMAEL GONZALEZ HERNANDEZ MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA et al.	EUROPEAN JOURNAL OF PAIN	2018
25	Peptidergic nature of nociception-related projections from the hypothalamic paraventricular nucleus to the dorsal horn of the spinal cord	MARIA GUADALUPE MARTINEZ LORENZANA ABIMAEL GONZALEZ HERNANDEZ MIGUEL CONDES Y LARA et al.	NEUROSCIENCE LETTERS	2018
26	Bifurcate spinal dorsal neurons projecting simultaneously to supraspinal centers by the dorsal column and the anterolateral system	ABIMAEL GONZALEZ HERNANDEZ MARIA GUADALUPE MARTINEZ LORENZANA JOSE GERARDO ROJAS PILONI et al.	JOURNAL OF NEUROCHEMISTRY	2017

MARIA GUADALUPE MARTINEZ LORENZANA

27	The rat corticospinal system is functionally and anatomically segregated	LUIS CONCHA LOYOLA MARIA GUADALUPE MARTINEZ LORENZANA JOSE GERARDO ROJAS PILONI et al.	BRAIN STRUCTURE & FUNCTION	2017
28	Peripheral oxytocin receptors inhibit the nociceptive input signal to spinal dorsal horn wide-dynamic-range neurons	ABIMAEL GONZALEZ HERNANDEZ MARIA GUADALUPE MARTINEZ LORENZANA MARTHA ELIZABETH CARRANZA SALAS et al.	Pain	2017
29	The potential role of serotonergic mechanisms in the spinal oxytocin-induced antinociception	MARIA GUADALUPE MARTINEZ LORENZANA JOSE GERARDO ROJAS PILONI MIGUEL CONDES Y LARA et al.	Neuropeptides	2016
30	Intracisternal injection of palmitoylethanolamide inhibits the peripheral nociceptive evoked responses of dorsal horn wide dynamic range neurons	MARIA GUADALUPE MARTINEZ LORENZANA FRANCISCO JAVIER JIMENEZ RODRIGUEZ JOSE GERARDO ROJAS PILONI et al.	JOURNAL OF NEURAL TRANSMISSION	2015
31	Hypothalamic paraventricular nucleus stimulation enhances c-Fos expression in spinal and supraspinal structures related to pain modulation	MIGUEL CONDES Y LARA MARIA GUADALUPE MARTINEZ LORENZANA Eloisa RubioBeltran et al.	NEUROSCIENCE RESEARCH	2015
32	Identification of oxytocin receptor in the dorsal horn and nociceptive dorsal root ganglion neurons	Y. Moreno Lopez MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA et al.	Neuropeptides	2013
33	SPINAL LTP INDUCED BY SCIATIC NERVE ELECTRICAL STIMULATION ENHANCES POSTERIOR TRIANGULAR THALAMIC NOCICEPTIVE RESPONSES	ABIMAEL GONZALEZ HERNANDEZ MARIA GUADALUPE MARTINEZ LORENZANA JOSE GERARDO ROJAS PILONI et al.	Neuroscience	2013
34	Cortical Presynaptic Control of Dorsal Horn C-Afferents in the Rat	Yunuen Moreno Lopez Jimena Perez Sanchez MARIA GUADALUPE MARTINEZ LORENZANA et al.	PLOS ONE	2013
35	Prolactin fractions from lactating rats elicit effects upon sensory spinal cord cells of male rats	FLAVIO MANUEL MENA JARA NILDA ADELA NAVARRO PADILLA GLORIA ALEJANDRA EUGENIA CASTILLA LEON et al.	Neuroscience	2013
36	FUNCTIONAL INTERACTIONS BETWEEN THE PARAVENTRICULAR HYPOTHALAMIC NUCLEUS AND RAPHE MAGNUS. A COMPARATIVE STUDY OF AN INTEGRATED HOMEOSTATIC ANALGESIC MECHANISM	MIGUEL CONDES Y LARA JOSE GERARDO ROJAS PILONI MARIA GUADALUPE MARTINEZ LORENZANA et al.	Neuroscience	2012
37	Dorsal horn antinociception mediated by the paraventricular hypothalamic nucleus and locus coeruleous: A comparative study	JOSE GERARDO ROJAS PILONI Javier Rodriguez Jimenez MARIA GUADALUPE MARTINEZ LORENZANA et al.	BRAIN RESEARCH	2012

MARIA GUADALUPE MARTINEZ LORENZANA

38	Oxytocin, but not vassopressin, modulates nociceptive responses in dorsal horn neurons	JOSE GERARDO ROJAS PILONI Mejia-Rodriguez Rosalinda MARIA GUADALUPE MARTINEZ LORENZANA et al.	NEUROSCIENCE LETTERS	2010
39	Oxytocin, but not vassopressin, modulates nociceptive responses in dorsal horn neurons (vol 476, pg 32, 2010)	JOSE GERARDO ROJAS PILONI Rosalinda Mejia Rodriguez MARIA GUADALUPE MARTINEZ LORENZANA et al.	NEUROSCIENCE LETTERS	2010
40	Direct sensorimotor corticospinal modulation of dorsal horn neuronal C-fiber responses in the rat	JOSE GERARDO ROJAS PILONI MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA et al.	BRAIN RESEARCH	2010
41	Paraventricular oxytocinergic hypothalamic prevention or interruption of long-term potentiation in dorsal horn nociceptive neurons: Electrophysiological and behavioral evidence	RAFAEL SALVADOR DE LA TORRE SALAZAR JOSE GERARDO ROJAS PILONI MARIA GUADALUPE MARTINEZ LORENZANA et al.	Pain	2009
42	Paraventricular hypothalamic oxytocinergic cells responding to noxious stimulation and projecting to the spinal dorsal horn represent a homeostatic analgesic mechanism	MIGUEL CONDES Y LARA JOSE GERARDO ROJAS PILONI MARIA GUADALUPE MARTINEZ LORENZANA et al.	EUROPEAN JOURNAL OF NEUROSCIENCE	2009
43	Nociceptive spinothalamic tract and postsynaptic dorsal column neurons are modulated by paraventricular hypothalamic activation	JOSE GERARDO ROJAS PILONI MARIA GUADALUPE MARTINEZ LORENZANA RAFAEL SALVADOR DE LA TORRE SALAZAR et al.	EUROPEAN JOURNAL OF NEUROSCIENCE	2008
44	Behavioral, electrophysiological and pharmacological Oxytocin action on sensorial perception of pain	MIGUEL CONDES Y LARA MARIA GUADALUPE MARTINEZ LORENZANA JOSE GERARDO ROJAS PILONI et al.	INTERNATIONAL JOURNAL OF PSYCHOLOGY	2008
45	Paraventricular hypothalamic nucleus stimulation modulates nociceptive responses in dorsal horn wide dynamic range neurons	MIGUEL CONDES Y LARA MARIA GUADALUPE MARTINEZ LORENZANA Javier Rodriguez Jimenez et al.	NEUROSCIENCE LETTERS	2008
46	PVN electrical stimulation prolongs withdrawal latencies and releases oxytocin in cerebrospinal fluid, plasma, and spinal cord tissue in intact and neuropathic rats	MARIA GUADALUPE MARTINEZ LORENZANA Lizbeth Espinosa Lopez MARTHA ELIZABETH CARRANZA SALAS et al.	Pain	2008
47	GABA-mediated oxytocinergic inhibition in dorsal horn neurons by hypothalamic paraventricular nucleus stimulation	JOSE GERARDO ROJAS PILONI MARIA GUADALUPE MARTINEZ LORENZANA FRANCISCO JAVIER JIMENEZ RODRIGUEZ et al.	BRAIN RESEARCH	2007

MARIA GUADALUPE MARTINEZ LORENZANA

48	Branched oxytocinergic innervations from the paraventricular hypothalamic nuclei to superficial layers in the spinal cord	MIGUEL CONDES Y LARA MARIA GUADALUPE MARTINEZ LORENZANA JOSE GERARDO ROJAS PILONI et al.	BRAIN RESEARCH	2007
49	Paraventricular hypothalamic influences on spinal nociceptive processing	MIGUEL CONDES Y LARA JOSE GERARDO ROJAS PILONI MARIA GUADALUPE MARTINEZ LORENZANA et al.	BRAIN RESEARCH	2006
50	Oxytocin and electrical stimulation of the paraventricular hypothalamic nucleus produce antinociceptive effects that are reversed by an oxytocin antagonist	JOSE GERARDO ROJAS PILONI MARIA GUADALUPE MARTINEZ LORENZANA FRANCISCO JAVIER JIMENEZ RODRIGUEZ et al.	Pain	2006
51	Sexually dimorphic expression of oxytocin binding sites in forebrain and spinal cord of the rat	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA Uhl-Bronner S. et al.	Neuroscience	2005
52	Interamygdaloid connection of basolateral nucleus through the anterior commissure in the rat	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA Jiménez J.R.	NEUROSCIENCE LETTERS	2004
53	Aspects on nitric oxide as functions cellular messenger of the central nervous system [Aspectos sobre las funciones del óxido nítrico como mensajero celular en el sistema nervioso central]	MIGUEL CONDES Y LARA MARIA GUADALUPE MARTINEZ LORENZANA Talavera-Cuevas E.	SALUD MENTAL	2003
54	Actions of oxytocin and interactions with glutamate on spontaneous and evoked dorsal spinal cord neuronal activities	MIGUEL CONDES Y LARA MARIA GUADALUPE MARTINEZ LORENZANA González N.M. et al.	BRAIN RESEARCH	2003
55	Electrophysiological responses of interfascicular neurons of the rat anterior commissure to activation from the anterior olfactory nucleus, medial frontal cortex, and posterior nucleus of the amygdala	MIGUEL CONDES Y LARA GEMA MARTINEZ CABRERA MARIA GUADALUPE MARTINEZ LORENZANA et al.	BRAIN RESEARCH	2003
56	Electrophysiological evidence that a set of interfascicular cells of the rat anterior commissure are neurons	MIGUEL CONDES Y LARA GEMA MARTINEZ CABRERA MARIA GUADALUPE MARTINEZ LORENZANA et al.	NEUROSCIENCE LETTERS	2002
57	Definite segregation of cortical neurons projecting to the dorsal column nuclei in the rat	MARIA GUADALUPE MARTINEZ LORENZANA Machín R. Avendaño C.	Neuroreport	2001

MARIA GUADALUPE MARTINEZ LORENZANA

58	Different wheat germ agglutinin-horseradish peroxidase labeling in structures related to the development of amygdaline kindling in the rat	MIGUEL CONDES Y LARA JORGE ANTONIO LARRIVA SAHD MARIA GUADALUPE MARTINEZ LORENZANA et al.	NEUROSCIENCE LETTERS	2001
59	Effects of kindling in wheat germ agglutinin-horseradish proxidase labeling in neurons of the interamygdaloid pathway in rats	MARIA GUADALUPE MARTINEZ LORENZANA MIGUEL CONDES Y LARA Talavera-Cuevas E. et al.	NEUROSCIENCE LETTERS	2000
60	NADPH-diaphorase-stained neurons after experimental epilepsy in rats	MARIA GUADALUPE MARTINEZ LORENZANA GABRIEL ISAAC CORKIDI BLANCO MIGUEL CONDES Y LARA et al.	NITRIC OXIDE-BIOLOGY AND CHEMISTRY	1997
61	Pain and analgesic mechanisms [EL DOLOR Y LOS MECANISMOS DE ANALGESIA]	MIGUEL CONDES Y LARA MARIA GUADALUPE MARTINEZ LORENZANA Sanchez-Moreno R.M. et al.	SALUD MENTAL	1995
62	Distribution of NADPH-diaphorase in the perioesophageal ganglia of the snail, Helix aspersa	FRANCISCO JULIO PELLICER GRAHAM MARIA GUADALUPE MARTINEZ LORENZANA Sánchez-Alvarez M. et al.	NEUROSCIENCE LETTERS	1994

MARIA GUADALUPE MARTINEZ LORENZANA

LIBROS Y CAPITULOS CON ISBN

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

MARIA GUADALUPE MARTINEZ LORENZANA

MARIA GUADALUPE MARTINEZ LORENZANA

PARTICIPACIÓN EN PROYECTOS

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

MARIA GUADALUPE MARTINEZ LORENZANA

MARIA GUADALUPE MARTINEZ LORENZANA

PARTICIPACIÓN EN TESIS

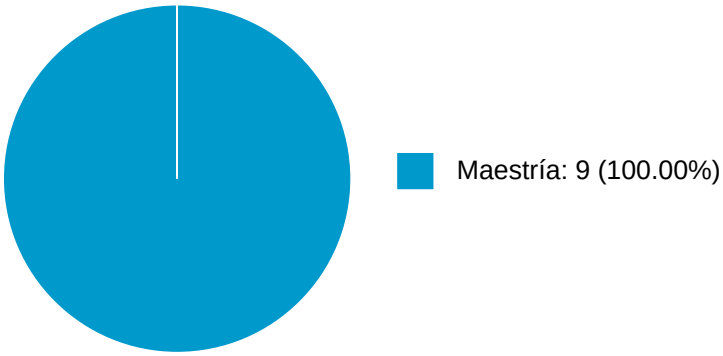
No se encuentran registros en la base de datos de TESIUNAM asociados a:

MARIA GUADALUPE MARTINEZ LORENZANA

MARIA GUADALUPE MARTINEZ LORENZANA

DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TECNICA EXPERIMENTAL EN NEUROCIENCIAS: TRAZADO NEURONAL	Instituto de Neurobiología en Querétaro, Querétaro	1	2014-1
2	Maestría	OPTATIVA I	Instituto de Neurobiología en Querétaro, Querétaro	3	2013-1
3	Maestría	OPTATIVA II	Instituto de Neurobiología en Querétaro, Querétaro	6	2012-1
4	Maestría	TRABAJO DE INVESTIGACION III	Instituto de Neurobiología en Querétaro, Querétaro	1	2011-2
5	Maestría	TRABAJO DE INVESTIGACION II	Instituto de Neurobiología en Querétaro, Querétaro	1	2011-1
6	Maestría	OPTATIVA II	Instituto de Neurobiología en Querétaro, Querétaro	6	2011-1
7	Maestría	OPTATIVA II	Instituto de Neurobiología en Querétaro, Querétaro	1	2010-1
8	Maestría	OPTATIVA II	Instituto de Neurobiología en Querétaro, Querétaro	1	2009-1
9	Maestría	OPTATIVA II	Instituto de Neurobiología en Querétaro, Querétaro	2	2008-1

MARIA GUADALUPE MARTINEZ LORENZANA

PATENTES

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

MARIA GUADALUPE MARTINEZ LORENZANA

MARIA GUADALUPE MARTINEZ LORENZANA

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