



## **MARTHA ELIZABETH CARRANZA SALAS**

### **Datos Generales**

**Nombre:** MARTHA ELIZABETH CARRANZA SALAS

**Máximo nivel de estudios:** MAESTRÍA

**Antigüedad académica en la UNAM:** 33 años

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### **Nombramientos**

**Vigente:** TECNICO ACADEMICO TITULAR B TC Definitivo  
Instituto de Neurobiología en Querétaro, Querétaro  
Desde 01-01-2008 (fecha inicial de registros en el SIIA)

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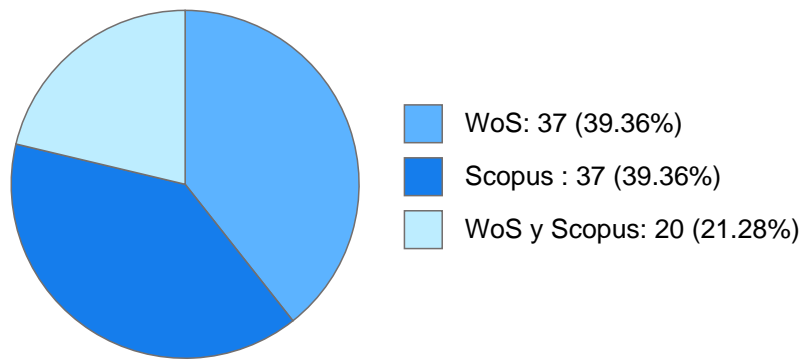
### **Estímulos, programas, premios y reconocimientos**

PRIDE D 2017 - VIGENTE  
PRIDE C - 2017

**MARTHA ELIZABETH CARRANZA SALAS**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



#	Título	Autores	Revista	Año
1	Differential peptide-dependent regulation of growth hormone (GH): A comparative analysis in pituitary cultures of reptiles, birds, and mammals	JOSE AVILA MENDOZA MARTHA ELIZABETH CARRANZA SALAS CARLOS GUILLERMO MARTINEZ MORENO et al.	Heliyon	2024
2	Neurotrophic and synaptic effects of GnRH and/or GH upon motor function after spinal cord injury in rats	CARLOS GUILLERMO MARTINEZ MORENO JUAN DAVID OLIVARES HERNANDEZ JOSE AVILA MENDOZA et al.	SCIENTIFIC REPORTS	2024
3	KLF13 Regulates the Activity of the GH-Induced JAK/STAT Signaling by Targeting Genes Involved in the Pathway	JOSE AVILA MENDOZA MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2023
4	Neuroprotective and Regenerative Effects of Growth Hormone (GH) in the Embryonic Chicken Cerebral Pallium Exposed to Hypoxic-Ischemic (HI) Injury	MARTHA ELIZABETH CARRANZA SALAS CARLOS GUILLERMO MARTINEZ MORENO MARICELA LUNA MUÑOZ et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022
5	Growth Hormone (GH) Crosses the Blood-Brain Barrier (BBB) and Induces Neuroprotective Effects in the Embryonic Chicken Cerebellum after a Hypoxic Injury	MARTHA ELIZABETH CARRANZA SALAS JOSE AVILA MENDOZA CARLOS GUILLERMO MARTINEZ MORENO et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022

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6	Neuroprotective Effects of Growth Hormone (GH) and Insulin-Like Growth Factor Type 1 (IGF-1) after Hypoxic-Ischemic Injury in Chicken Cerebellar Cell Cultures	CARLOS GUILLERMO MARTINEZ MORENO MARTHA ELIZABETH CARRANZA SALAS EVA OLIVIA VAZQUEZ MARTINEZ et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2021
7	Growth Hormone (GH) Enhances Endogenous Mechanisms of Neuroprotection and Neuroplasticity after Oxygen and Glucose Deprivation Injury (OGD) and Reoxygenation (OGD/R) in Chicken Hippocampal Cell Cultures	MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ CARLOS GUILLERMO MARTINEZ MORENO et al.	NEURAL PLASTICITY	2021
8	Thyrotropin-Releasing Hormone (TRH) and Somatostatin (SST), but not Growth Hormone-Releasing Hormone (GHRH) nor Ghrelin (GHRL), Regulate Expression and Release of Immune Growth Hormone (GH) from Chicken Bursal B-Lymphocyte Cultures	CARLOS GUILLERMO MARTINEZ MORENO MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2020
9	Differential Phosphorylation of the Glucocorticoid Receptor in Hippocampal Subregions Induced by Contextual Fear Conditioning Training	NORMA SERAFIN LOPEZ MARTHA ELIZABETH CARRANZA SALAS CARLOS ARAMBURO DE LA HOZ et al.	FRONTIERS IN BEHAVIORAL NEUROSCIENCE	2020
10	Regenerative effect of growth hormone (GH) in the retina after kainic acid excitotoxic damage	CARLOS GUILLERMO MARTINEZ MORENO MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2019
11	Neuroprotective actions of growth hormone (GH) in the neuroretina include Notch signaling activation and involve changes in the expression of local growth factors	CARLOS GUILLERMO MARTINEZ MORENO MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ et al.	INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE	2019
12	Growth Hormone Neuroprotection Against Kainate Excitotoxicity in the Retina is Mediated by Notch/PTEN/Akt Signaling	MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ CARLOS ARAMBURO DE LA HOZ et al.	INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE	2019
13	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
14	Growth hormone protects against kainate excitotoxicity and induces BDNF and NT3 expression in chicken neuroretinal cells	CARLOS GUILLERMO MARTINEZ MORENO MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ et al.	EXPERIMENTAL EYE RESEARCH	2018

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15	Growth hormone promotes synaptogenesis and protects neuroretinal dendrites against kainic acid (KA) induced damage	CARLOS GUILLERMO MARTINEZ MORENO MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2018
16	Peripheral oxytocin receptors inhibit the nociceptive input signal to spinal dorsal horn wide-dynamic-range neurons	ABIMAEEL GONZALEZ HERNANDEZ MARIA GUADALUPE MARTINEZ LORENZANA MARTHA ELIZABETH CARRANZA SALAS et al.	Pain	2017
17	Autocrine/paracrine proliferative effect of ovarian GH and IGF-I in chicken granulosa cell cultures	CARLOS GUILLERMO MARTINEZ MORENO MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2016
18	Differential responses of the somatotrophic and thyroid axes to environmental temperature changes in the green iguana	MARTHA ELIZABETH CARRANZA SALAS PATRICIA VILLALOBOS AGUILERA AUREA OROZCO RIVAS et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2016
19	Growth hormone reverses excitotoxic damage induced by kainic acid in the green iguana neuroretina	MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ CARLOS ARAMBURO DE LA HOZ et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2016
20	Direct antiapoptotic effects of growth hormone are mediated by PI3K/Akt pathway in the chicken bursa of Fabricius	Jose Luis LunaAcosta Clara AlbaBetancourt CARLOS GUILLERMO MARTINEZ MORENO et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2015
21	Growth hormone (GH) and GH-releasing hormone (GHRH): Co-localization and action in the chicken testis	CARLOS GUILLERMO MARTINEZ MORENO LUZ MARIA LOPEZ MARIN MARTHA ELIZABETH CARRANZA SALAS et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2014
22	Daily Patterns and Adaptation of the Ghrelin, Growth Hormone and Insulin-Like Growth Factor-1 System Under Daytime Food Synchronisation in Rats	E. del C. Arellanes Licea GERMAN ADRIAN BAEZ RUIZ MARTHA ELIZABETH CARRANZA SALAS et al.	JOURNAL OF NEUROENDOCRINOLOGY	2014
23	Extrapituitary growth hormone in the chicken reproductive system	MARICELA LUNA MUÑOZ CARLOS GUILLERMO MARTINEZ MORENO Marisela S. Ahumada Solorzano et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2014
24	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

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25	Neuro-protective effects of growth hormone (GH) after hypoxia-ischemia injury in embryonic chicken cerebellum	Clara Alba Betancourt Jose Luis Luna Acosta Candy Elizabeth Ramirez Martinez et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2013
26	Expression and function of chicken bursal growth hormone (GH)	MARICELA LUNA MUÑOZ Adriana Jheny Rodriguez Mendez Jose Luis Luna Acosta et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2013
27	Local expression and distribution of growth hormone and growth hormone receptor in the chicken ovary: Effects of GH on steroidogenesis in cultured follicular granulosa cells	S. Marisela Ahumada Solorzano MARTHA ELIZABETH CARRANZA SALAS ENRIQUE ANTONIO PEDERNERA ASTEGIANO et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2012
28	Expression, cellular distribution, and heterogeneity of growth hormone in the chicken cerebellum during development	C. Alba Betancourt CARLOS ARAMBURO DE LA HOZ J. Avila Mendoza et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2011
29	Cellular and intracellular distribution of growth hormone in the adult chicken testis	MA. LOURDES PALMA TIRADO MARTHA ELIZABETH CARRANZA SALAS CARLOS ARAMBURO DE LA HOZ et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2011
30	Growth hormone expression in stromal and non-stromal cells in the bursa of Fabricius during bursal development and involution: Causal relationships?	A. J. Rodriguez Mendez J. L. Luna Acosta MARTHA ELIZABETH CARRANZA SALAS et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2010
31	Immune growth hormone (GH): Localization of GH and GH mRNA in the bursa of Fabricius	MARICELA LUNA MUÑOZ A. J. Rodriguez Mendez L. Berumen et al.	DEVELOPMENTAL AND COMPARATIVE IMMUNOLOGY	2008
32	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
33	Heterogeneity of growth hormone immunoreactivity in lymphoid tissues and changes during ontogeny in domestic fowl	MARICELA LUNA MUÑOZ MARTHA ELIZABETH CARRANZA SALAS ENRIQUE ANTONIO PEDERNERA ASTEGIANO et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2005
34	Chicken growth hormone: Further characterization and ontogenic changes of an N-glycosylated isoform in the anterior pituitary gland	MARICELA LUNA MUÑOZ MARTHA ELIZABETH CARRANZA SALAS HILDA MARTINEZ CORIA et al.	GENERAL AND COMPARATIVE ENDOCRINOLOGY	2004

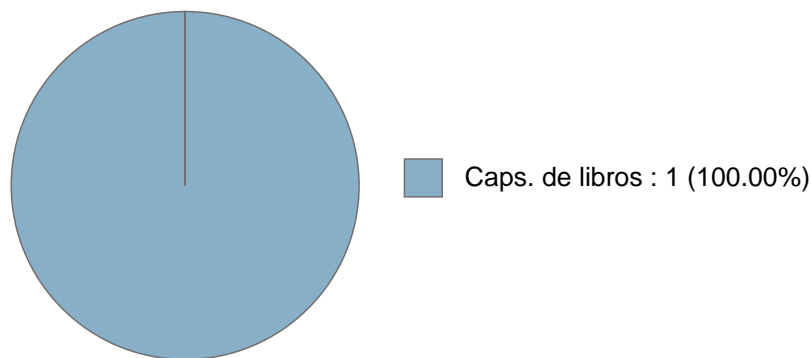
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35	Differential secretion of chicken growth hormone variants after growth hormone-releasing hormone stimulation in vitro	HILDA MARTINEZ CORIA MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ et al.	ENDOCRINE	2002
36	Characterization of a bioactive 15 kDa fragment produced by proteolytic cleavage of chicken growth hormone	CARLOS ARAMBURO DE LA HOZ MARTHA ELIZABETH CARRANZA SALAS MARICELA LUNA MUÑOZ et al.	ENDOCRINE	2001
37	Growth hormone size variants: Changes in the pituitary during development of the chicken	CARLOS ARAMBURO DE LA HOZ MARICELA LUNA MUÑOZ MARTHA ELIZABETH CARRANZA SALAS et al.	P SOC EXP BIOL MED	2000
38	Partial biochemical and biological characterization of purified chicken growth hormone (cGH). Isolation of cGH charge variants and evidence that cGH is phosphorylated	CARLOS ARAMBURO DE LA HOZ MARTHA ELIZABETH CARRANZA SALAS JOSE GERARDO PERERA MARIN et al.	GENERAL AND COMPARATIVE ENDOCRINOLOG Y	1989

**MARTHA ELIZABETH CARRANZA SALAS**

**LIBROS Y CAPITULOS CON ISBN**

**Obras con registro ISBN**



#	Título	Autores	Alcance	Año	ISBN
1	La hormona de crecimiento (GH) en tejidos del sistema inmune.	MARICELA LUNA MUÑOZ MARTHA ELIZABETH CARRANZA SALAS CARLOS ARAMBURO DE LA HOZ	Capítulo de un Libro	2010	9786070215971



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



**MARTHA ELIZABETH CARRANZA SALAS**

**PARTICIPACIÓN EN PROYECTOS**

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

**MARTHA ELIZABETH CARRANZA SALAS**





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



**MARTHA ELIZABETH CARRANZA SALAS**

**PARTICIPACIÓN EN TESIS**

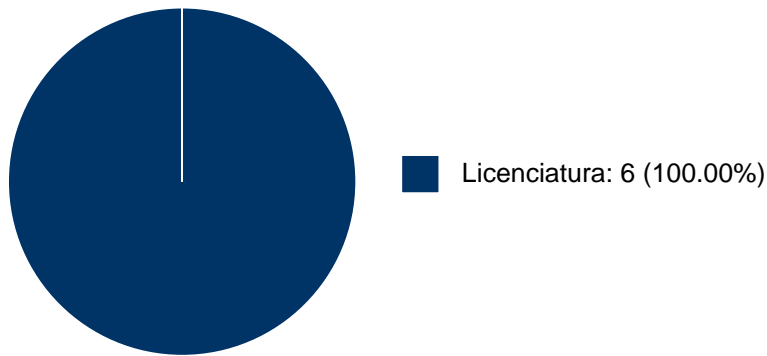
**No se encuentran registros en la base de datos de TESIUNAM asociados a:**

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**DOCENCIA IMPARTIDA**

**Histórico de docencia**



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Licenciatura	BIOQUIMICA	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURQUILLA, QRTO.	21	2024-1
2	Licenciatura	BIOQUIMICA	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURQUILLA, QRTO.	23	2023-1
3	Licenciatura	BIOQUIMICA	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURQUILLA, QRTO.	26	2022-1
4	Licenciatura	BIOQUIMICA	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURQUILLA, QRTO.	23	2021-1
5	Licenciatura	BIOQUIMICA	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURQUILLA, QRTO.	17	2020-1
6	Licenciatura	BIOLOGIA CELULAR	ESCUELA NACIONAL DE ESTUDIOS SUPERIORES, UNIDAD JURQUILLA, QRTO.	12	2019-1



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



**MARTHA ELIZABETH CARRANZA SALAS**

**TUTORIAS EN POSGRADO**

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

**MARTHA ELIZABETH CARRANZA SALAS**



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



**MARTHA ELIZABETH CARRANZA SALAS**

**PATENTES**

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

**MARTHA ELIZABETH CARRANZA SALAS**

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**FUENTES DE INFORMACIÓN**

**Internos**

#	Información	Fuente	Sistema	Periodo
1	Grupos ordinarios y resumen de historias académicas	DGAE	SIAE	2008-2024
2	Nombramientos, datos generales, estímulos, premios y reconocimientos	DGAPA	RUPA	2008-2024
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	2008-2024
9	Documentos Indexados	Thomson Reuters	WoS	2008-2024
10	Obras con registro ISBN	INDAUTOR	Agencia ISBN	2008-2024
11	Patentes	IMPI	SIGA	2008-2024