



NESTOR EMMANUEL DIAZ MARTINEZ

Datos Generales

Nombre: NESTOR EMMANUEL DIAZ MARTINEZ

Máximo nivel de estudios: MAESTRÍA

Antigüedad académica en la UNAM: 3 años

Nombramientos

Último: PROFESOR ASIGNATURA A TP No Definitivo
Facultad de Medicina Veterinaria y Zootecnia
Desde 16-11-2013 hasta 31-01-2014

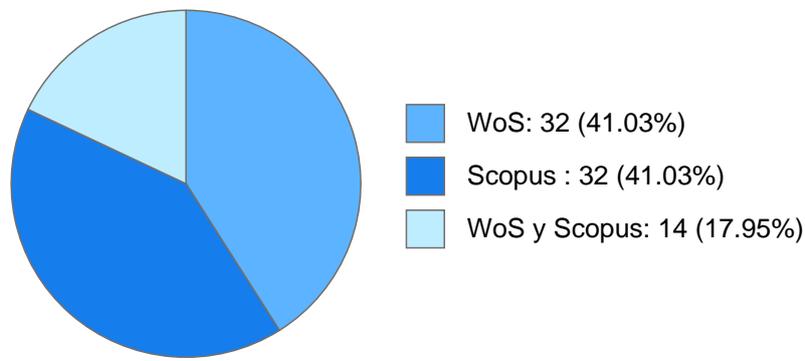
Estímulos, programas, premios y reconocimientos

SNI I 2015 - 2023
SNI C 2012 - 2014
PRIDE C 2012 - 2013

NESTOR EMMANUEL DIAZ MARTINEZ

DOCUMENTOS EN REVISTAS

Histórico de Documentos



| # | Título | Autores | Revista | Año |
|---|--|---|---|------|
| 1 | Evaluation methods for decellularized tissues: A focus on human amniotic membrane | NESTOR EMMANUEL DIAZ MARTINEZ Miriam Guadalupe Salgado Garcia Nestor Fabian Diaz et al. | JOURNAL OF BIOSCIENCE AND BIOENGINEERIN G | 2025 |
| 2 | Prolactin drives cortical neuron maturation and dendritic development during murine embryonic stem cell differentiation | GLORIA ALEJANDRA EUGENIA CASTILLA LEON GEORGINA HERNANDEZ MONTES ELIEZER ALEJANDRO FLORES GARZA et al. | Frontiers In Cell And Developmental Biology | 2025 |
| 3 | Experimental Lung Transplantation Related With HIF-1, VEGF, ROS. Assessment of HIF-1α, VEGF, and Reactive Oxygen Species After Competitive Blockade of Chetomin for Lung Transplantation in Rats | ALEJANDRO ZENTELLA DEHESA JOSE LUIS VENTURA GALLEGOS VLADIMIR MIRANDA GALVAN et al. | PHYSIOLOGICAL RESEARCH | 2024 |
| 4 | Changes in the levels of free sialic acid during ex vivo lung perfusion do not correlate with pulmonary function. Experimental model | NESTOR EMMANUEL DIAZ MARTINEZ ADRIANA MENDEZ BERNAL JUAN CARLOS VAZQUEZ MINERO et al. | BMC PULMONARY MEDICINE | 2023 |
| 5 | Parkinson's disease: An update on preclinical studies of induced pluripotent stem cells | NESTOR FABIAN DIAZ MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ Valadez-Barba V. et al. | Neurologia | 2023 |

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|----|---|---|------------------------------|------|
| 6 | Pluripotent Stem Cells as a Model for Human Embryogenesis | ALEJANDRO MARTINEZ JUAREZ ANAYANSI MOLINA HERNANDEZ WENDY PORTILLO MARTINEZ et al. | Cells | 2023 |
| 7 | Prolactin from Pluripotency to Central Nervous System Development | GUADALUPE ELIZABETH GARCIA LOPEZ ANAYANSI MOLINA HERNANDEZ NESTOR EMMANUEL DIAZ MARTINEZ et al. | Neuroendocrinology | 2022 |
| 8 | The human amniotic epithelium confers a bias to differentiate toward the neuroectoderm lineage in human embryonic stem cells | WENDY PORTILLO MARTINEZ GEORGINA HERNANDEZ MONTES ELIEZER ALEJANDRO FLORES GARZA et al. | eLife | 2022 |
| 9 | Anti-inflammatory activity of cnidoscolus aconitifolius (Mill.) ethyl acetate extract on croton oil-induced mouse ear edema | NESTOR EMMANUEL DIAZ MARTINEZ Padilla-Camberos E. Torres-Gonzalez O.R. et al. | APPLIED SCIENCES-BASE L | 2021 |
| 10 | Ca-Alginate-PEGMA Hydrogels for In Situ Delivery of TGF-beta Neutralizing Antibodies in a Mouse Model of Wound Healing | NESTOR EMMANUEL DIAZ MARTINEZ Gasperin-Bulbarela J. Castro-Ceseña A.B. et al. | APPLIED SCIENCES-BASE L | 2021 |
| 11 | Improvement of the wound healing properties of hydrogels with N-acetylcysteine through their modification with methacrylate-containing polymers | NESTOR EMMANUEL DIAZ MARTINEZ Lesly S. Gomez-Aparicio Johanna Bernaldez-Sarabia et al. | BIOMATERIALS SCIENCE | 2021 |
| 12 | Novel pluripotent stem cell lines for enriched grafting in Parkinson's disease | NESTOR EMMANUEL DIAZ MARTINEZ Cota-Coronado A. Thompson L. | NEURAL REGENERATION RESEARCH | 2020 |
| 13 | Unprecedented potential for neural drug discovery based on self-organizing hiPSC platforms | NESTOR FABIAN DIAZ MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ Cota-Coronado A. et al. | Molecules | 2020 |
| 14 | New transgenic models of Parkinson's disease using genome editing technology | NESTOR FABIAN DIAZ MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ Cota-Coronado J.A. et al. | Neurologia | 2020 |
| 15 | Human Mesenchymal Stem Cells: The Present Alternative for High-Incidence Diseases, even SARS-Cov-2 | NESTOR FABIAN DIAZ MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ Juárez-Navarro K.J. et al. | Stem Cells International | 2020 |
| 16 | iPSC for modeling neurodegenerative disorders | NESTOR FABIAN DIAZ MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ Valadez-Barba V. et al. | Regenerative Therapy | 2020 |
| 17 | Implications of human induced pluripotent stem cells in metabolic disorders: from drug discovery toward precision medicine | NESTOR EMMANUEL DIAZ MARTINEZ Cota-Coronado A. Ramírez-Rodríguez P.B. et al. | DRUG DISCOVERY TODAY | 2019 |

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|----|--|--|--|------|
| 18 | Neuroprotective effects of phytochemicals on dopaminergic neuron cultures | NESTOR FABIAN DIAZ MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ Sandoval-Avila S. et al. | Neurologia | 2019 |
| 19 | Pluripotency markers in tissue and cultivated cells in vitro of different regions of human amniotic epithelium | ANAYANSI MOLINA HERNANDEZ WENDY PORTILLO MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ et al. | EXPERIMENTAL CELL RESEARCH | 2019 |
| 20 | Establishment of human embryonic stem cell line Amicqui-2 using poor-quality embryos from Mexican population | NESTOR EMMANUEL DIAZ MARTINEZ JULIO FRANCISCO DE LA JARA DIAZ ANAYANSI MOLINA HERNANDEZ et al. | STEM CELL RESEARCH | 2019 |
| 21 | Editing the central nervous system through CRISPR/cas9 systems | NESTOR FABIAN DIAZ MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ Cota-Coronado A. et al. | FRONTIERS IN MOLECULAR NEUROSCIENCE | 2019 |
| 22 | Effects of Agave fructans (Agave tequilana Weber var. azul) on Body Fat and Serum Lipids in Obesity | NESTOR EMMANUEL DIAZ MARTINEZ Padilla-Camberos E. Barragán-Álvarez C.P. et al. | PLANT FOODS FOR HUMAN NUTRITION | 2018 |
| 23 | In vitro and in vivo postprandial glycemic activity of Citrus limetta peel flour | NESTOR EMMANUEL DIAZ MARTINEZ Flores-Fernandez J.M. Barragán-Álvarez C.P. et al. | PHARMACOGNO SY MAGAZINE | 2017 |
| 24 | Effects of Sildenafil and Tadalafil on Edema and Reactive Oxygen Species Production in an Experimental Model of Lung Ischemia-Reperfusion Injury | DIANA ELODIA AGUILAR LEON ANTONIO DIAZ CRUZ NESTOR EMMANUEL DIAZ MARTINEZ et al. | TRANSPLANTATI ON PROCEEDINGS | 2017 |
| 25 | Fructans from Agave tequilana with a Lower Degree of Polymerization Prevent Weight Gain, Hyperglycemia and Liver Steatosis in High-Fat Diet-Induced Obese Mice | NESTOR EMMANUEL DIAZ MARTINEZ Márquez-Aguirre A.L. Camacho-Ruíz R.M. et al. | PLANT FOODS FOR HUMAN NUTRITION | 2016 |
| 26 | Development of the endocrine pancreas and novel strategies for β -cell mass restoration and diabetes therapy | NESTOR EMMANUEL DIAZ MARTINEZ Márquez-Aguirre A.L. Canales-Aguirre A.A. et al. | Brazilian Journal Of Medical And Biological Research | 2015 |
| 27 | Human amniotic epithelial cells as feeder layer to derive and maintain human embryonic stem cells from poor-quality embryos | ANAYANSI MOLINA HERNANDEZ WENDY PORTILLO MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ et al. | STEM CELL RESEARCH | 2015 |
| 28 | Recovery from experimental Parkinsonism by Semaphorin-guided axonal growth of grafted dopamine neurons | NESTOR EMMANUEL DIAZ MARTINEZ ELISA HORTENSIA TAMARIZ DOMINGUEZ N. Fabian Diaz et al. | MOLECULAR THERAPY | 2013 |



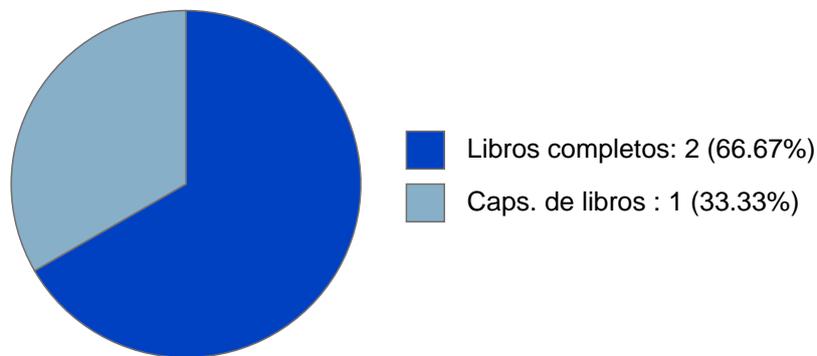
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| 29 | Axon Responses of Embryonic Stem Cell-Derived Dopaminergic Neurons to Semaphorins 3A and 3C | ELISA HORTENSIA TAMARIZ DOMINGUEZ NESTOR EMMANUEL DIAZ MARTINEZ NESTOR FABIAN DIAZ MARTINEZ et al. | JOURNAL OF NEUROSCIENCE RESEARCH | 2010 |
| 30 | Progesterone Increases Dopamine Neurone Number in Differentiating Mouse Embryonic Stem Cells | NESTOR FABIAN DIAZ MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ JAIME IVAN VELASCO VELAZQUEZ et al. | JOURNAL OF NEUROENDOCRINOLOGY | 2009 |
| 31 | Estradiol promotes proliferation of dopaminergic precursors resulting in a higher proportion of dopamine neurons derived from mouse embryonic stem cells | NESTOR FABIAN DIAZ MARTINEZ NESTOR EMMANUEL DIAZ MARTINEZ IGNACIO CAMACHO ARROYO et al. | INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE | 2009 |
| 32 | Axonal growth inhibition by chondroitin sulfate proteoglycans in the central nervous system | NESTOR EMMANUEL DIAZ MARTINEZ JAIME IVAN VELASCO VELAZQUEZ | REVISTA DE INVESTIGACION CLINICA-CLINICAL AND TRANSLATIONAL INVESTIGATION | 2009 |

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



| # | Título | Autores | Alcance | Año | ISBN |
|---|---|--|----------------------|------|---------------|
| 1 | iPSC for modeling of metabolic and neurodegenerative disorders | NESTOR EMMANUEL DIAZ MARTINEZ Valadez-Barba V. Cota-Coronado A. et al. | Capítulo de un Libro | 2022 | 9780128238820 |
| 2 | Laboratorios de Investigación en Biotecnología Médica - Estudios preclínicos en investigación, desarrollo e innovación biotecnológica | NESTOR EMMANUEL DIAZ MARTINEZ | Libro Completo | 2016 | 9786079742102 |
| 3 | Laboratorios de Investigación en Biotecnología Médica Aspectos Funcionales y Diseño Centro de Investigación y Asistencia en Tecnología y Diseño del Estado de Jalisco, A.C. | NESTOR EMMANUEL DIAZ MARTINEZ | Libro Completo | 2015 | 9786079661960 |



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



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PARTICIPACIÓN EN PROYECTOS

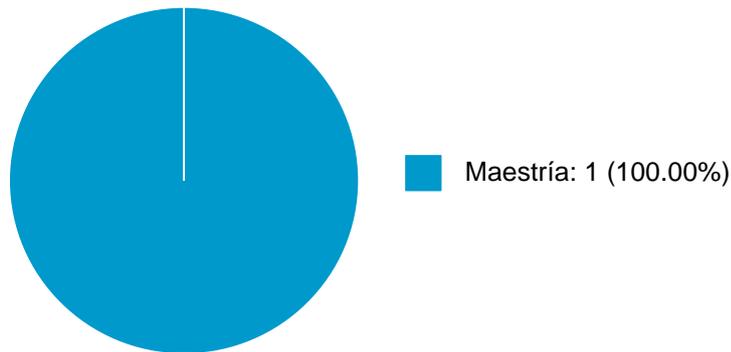
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

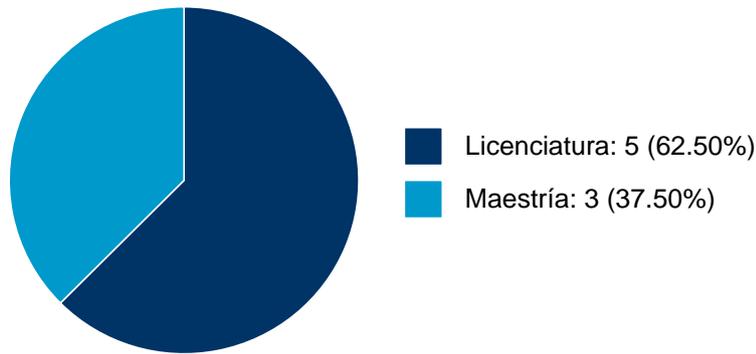


| # | Título del documento | Tipo de Tesis | Sinodales | Autores | Entidad | Año |
|---|--|-------------------|--------------------------------|-------------------------|---------|------|
| 1 | Caracterización de células estromales mesenquimales derivadas de tejido adiposo en perro doméstico (canis lupus familiaris) para su probable uso terapéutico en medicina veterinaria | Tesis de Maestría | NESTOR EMMANUEL DIAZ MARTINEZ, | Macuil Rojas, Benjamín, | | 2017 |

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DOCENCIA IMPARTIDA

Histórico de docencia



| # | Nivel titulación | Asignatura | Entidad | Alumnos | Semestre |
|---|------------------|------------------------------|--|---------|----------|
| 1 | Maestría | TRABAJO DE INVESTIGACION III | Facultad de Medicina Veterinaria y Zootecnia | 1 | 2016-1 |
| 2 | Maestría | TRABAJO DE INVESTIGACION II | Facultad de Medicina Veterinaria y Zootecnia | 1 | 2015-2 |
| 3 | Maestría | TRABAJO DE INVESTIGACION I | Facultad de Medicina Veterinaria y Zootecnia | 1 | 2015-1 |
| 4 | Licenciatura | BIOQUIMICA | Facultad de Medicina Veterinaria y Zootecnia | 55 | 2014-1 |
| 5 | Licenciatura | BIOL. MOLEC DE LA CELULA III | Facultad de Ciencias | 24 | 2013-2 |
| 6 | Licenciatura | BIOL. MOLEC DE LA CELULA III | Facultad de Ciencias | 21 | 2012-2 |
| 7 | Licenciatura | BIOL. MOLEC DE LA CELULA III | Facultad de Ciencias | 9 | 2011-2 |
| 8 | Licenciatura | BIOL. MOLEC DE LA CELULA III | Facultad de Ciencias | 23 | 2010-1 |



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Simplificación de la Gestión Institucional
Reporte individual



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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 |