



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



TERESA MONTIEL MONTES

Datos Generales

Nombre: TERESA MONTIEL MONTES

Máximo nivel de estudios: LICENCIATURA

Antigüedad académica en la UNAM: 35 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Instituto de Fisiología Celular
Desde 16-06-2010

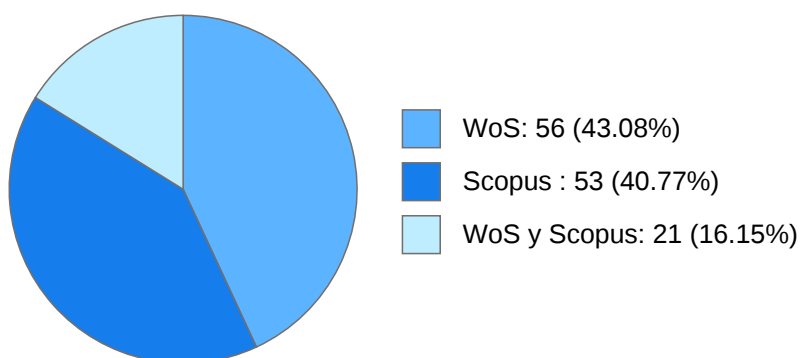
Estímulos, programas, premios y reconocimientos

SNI I 2009 - VIGENTE
PRIDE D - 2024

TERESA MONTIEL MONTES

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Effect of the Ketone Body, D-β-Hydroxybutyrate, on Sirtuin2-Mediated Regulation of Mitochondrial Quality Control and the Autophagy?Lysosomal Pathway	TERESA MONTIEL MONTES LIZBETH ESMERALDA GARCIA VELAZQUEZ YAZMIN RAMIRO CORTES et al.	Cells	2023
2	Modulation of the autophagy-lysosomal pathway and endoplasmic reticulum stress by ketone bodies in experimental models of stroke	TERESA MONTIEL MONTES YESSICA ROSALINDA HERAS ROMERO XOCHITL PEREZ MARTINEZ et al.	JOURNAL OF NEUROCHEMISTRY	2023
3	Enantiomer selective actions of the ketone body, beta-hydroxybutyrate, on autophagy and proteostasis during ischemic stroke	MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES YESSICA ROSALINDA HERAS ROMERO et al.	JOURNAL OF NEUROCHEMISTRY	2023
4	Senescence in Primary Rat Astrocytes Induces Loss of the Mitochondrial Membrane Potential and Alters Mitochondrial Dynamics in Cortical Neurons	RUTH RINCON HEREDIA TERESA MONTIEL MONTES JULIO EDUARDO ROQUE MORAN ANDRADE et al.	FRONTIERS IN AGING NEUROSCIENCE	2021

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5	Treatment with the ketone body d-β-hydroxybutyrate attenuates autophagy activated by nmda and reduces excitotoxic neuronal damage in the rat striatum in vivo	TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO Montes-Ortega L.A. et al.	CURRENT PHARMACEUTICAL DESIGN	2020
6	Effect of beta-Hydroxybutyrate on Autophagy Dynamics During Severe Hypoglycemia and the Hypoglycemic Coma	TERESA MONTIEL MONTES MARCO ANTONIO FLORES MENDEZ MARIA DE LOURDES MASSIEU TRIGO et al.	FRONTIERS IN CELLULAR NEUROSCIENCE	2020
7	Antimicrobial peptide against mycobacterium tuberculosis that activates autophagy is an effective treatment for tuberculosis	MIGUEL ANTONIO COSTAS BASIN TERESA MONTIEL MONTES CHRISTIAN DIENER et al.	Pharmaceutics	2020
8	Prolactin prevents mitochondrial dysfunction induced by glutamate excitotoxicity in hippocampal neurons	RUTH RINCON HEREDIA TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO et al.	NEUROSCIENCE LETTERS	2019
9	Role of NADPH oxidase-2 in the progression of the inflammatory response secondary to striatum excitotoxic damage	DIEGO ROLANDO HERNANDEZ ESPINOSA MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES et al.	JOURNAL OF NEUROINFLAMMATION	2019
10	Recurrent moderate hypoglycemia exacerbates oxidative damage and neuronal death leading to cognitive dysfunction after the hypoglycemic coma	TERESA MONTIEL MONTES LETICIA RAMIREZ LUGO ARIANA ISRAELA BALDERAS MORENO et al.	JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM	2019
11	Beta-hydroxybutyrate attenuates the unfolded protein response and stimulates the autophagic flux after cerebral ischemia	MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES YESSICA ROSALINDA HERAS ROMERO et al.	JOURNAL OF NEUROCHEMISTRY	2019
12	Gestational exposure to inorganic arsenic (iAs3+) alters glutamate disposition in the mouse hippocampus and ionotropic glutamate receptor expression leading to memory impairment	MARTHA LILIA ESCOBAR RODRIGUEZ MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES et al.	ARCHIVES OF TOXICOLOGY	2018
13	Recurrent moderate hypoglycemia enhances brain injury induced by the hypoglycemic coma and leads to memory decline	MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES LETICIA RAMIREZ LUGO et al.	JOURNAL OF NEUROCHEMISTRY	2017
14	Autophagy induction in brain by severe hypoglycemia and its modulation by the ketone body beta-hydroxybutyrate	TERESA MONTIEL MONTES C. Geronimo Olvera MARIA DE LOURDES MASSIEU TRIGO et al.	JOURNAL OF NEUROCHEMISTRY	2017

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15	Autophagy fails to prevent energy stress-induced neuronal death due to calpain-mediated lysosomal dysfunction	C. Geronimo Olvera RUTH RINCON HEREDIA TERESA MONTIEL MONTES et al.	JOURNAL OF NEUROCHEMISTRY	2017
16	Autophagy fails to prevent glucose deprivation/glucose reintroduction-induced neuronal death due to calpain-mediated lysosomal dysfunction in cortical neurons	C. Geronimo Olvera TERESA MONTIEL MONTES RUTH RINCON HEREDIA et al.	CELL DEATH & DISEASE	2017
17	The Ketone Body, β -Hydroxybutyrate Stimulates the Autophagic Flux and Prevents Neuronal Death Induced by Glucose Deprivation in Cortical Cultured Neurons	TERESA MONTIEL MONTES RUTH RINCON HEREDIA MARIA DE LOURDES MASSIEU TRIGO et al.	NEUROCHEMICAL RESEARCH	2016
18	Neural ablation of the PARK10 candidate Plpp3 leads to dopaminergic transmission deficits without neurodegeneration	TERESA MONTIEL MONTES DANIEL OSORIO GOMEZ FEDERICO BERMUDEZ RATTONI et al.	SCIENTIFIC REPORTS	2016
19	Gestational and chronical arsenic exposure generates changes in the hippocampus glutamatergic neurotransmission and plasticity	MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES MARTHA LILIA ESCOBAR RODRIGUEZ et al.	TOXICOLOGY LETTERS	2016
20	Protection of hypoglycemia-induced neuronal death by β -hydroxybutyrate involves the preservation of energy levels and decreased production of reactive oxygen species	Alberto JulioAmilpas TERESA MONTIEL MONTES Eva SotoTinoco et al.	JOURNAL OF CEREBRAL BLOOD FLOW AND METABOLISM	2015
21	Saturated lipids decrease mitofusin 2 leading to endoplasmic reticulum stress activation and insulin resistance in hypothalamic cells	ARMANDO ROBERTO TOVAR PALACIO TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO et al.	BRAIN RESEARCH	2015
22	Differential production of reactive oxygen species in distinct brain regions of hypoglycemic mice	Leticia Amador Alvarado TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO	METABOLIC BRAIN DISEASE	2014
23	Differential production of reactive oxygen species in distinct brain regions of hypoglycemic mice	TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO Amador-Alvarado L.	METABOLIC BRAIN DISEASE	2014
24	Neuronal damage and cognitive impairment associated with hypoglycemia: An integrated view	Gabriela Languren TERESA MONTIEL MONTES Alberto Julio Amilpas et al.	NEUROCHEMISTRY INTERNATIONAL	2013
25	Calpain activation induced by glucose deprivation is mediated by oxidative stress and contributes to neuronal damage	Blanca Paramo TERESA MONTIEL MONTES DIEGO ROLANDO HERNANDEZ ESPINOSA et al.	INTERNATIONAL JOURNAL OF BIOCHEMISTRY & CELL BIOLOGY	2013

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26	Calpain activation is involved in acute manganese neurotoxicity in the rat striatum in vivo	Liliana Quintanar TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO et al.	EXPERIMENTAL NEUROLOGY	2012
27	Activation of NOX2 by the Stimulation of Ionotropic and Metabotropic Glutamate Receptors Contributes to Glutamate Neurotoxicity In Vivo Through the Production of Reactive Oxygen	ALICIA DIONE GUEMEZ GAMBOA TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO et al.	JOURNAL OF NEUROPATHOLOGY AND EXPERIMENTAL NEUROLOGY	2011
28	SELECTIVE VULNERABILITY OF BRAIN REGIONS TO OXIDATIVE STRESS IN A NON-COMA MODEL OF INSULIN-INDUCED HYPOGLYCEMIA	M. L. Haces TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO	Neuroscience	2010
29	Glycolysis Inhibition Decreases the Levels of Glutamate Transporters and Enhances Glutamate Neurotoxicity in the R6/2 Huntington's Disease Mice	Ana Maria Estrada Sanchez TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO	NEUROCHEMICAL RESEARCH	2010
30	Glutamate toxicity in the striatum of the R6/2 Huntington's disease transgenic mice is age-dependent and correlates with decreased levels of glutamate transporters	Ana Maria Estrada Sanchez TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO et al.	NEUROBIOLOGY OF DISEASE	2009
31	Prevention of hypoglycemia-induced lipoperoxidation by ketone bodies	M. L. Haces TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO	JOURNAL OF NEUROCHEMISTRY	2009
32	Antioxidant capacity contributes to protection of ketone bodies against oxidative damage induced during hypoglycemic conditions	Maria L. Haces KARLA HERNANDEZ FONSECA OMAR NOEL MEDINA CAMPOS et al.	EXPERIMENTAL NEUROLOGY	2008
33	Contribution of NMDA and non-NMDA receptors to in vivo glutamate-induced calpain activation in the rat striatum. Relation to neuronal damage	Perla Del Rio TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO	NEUROCHEMICAL RESEARCH	2008
34	Cerebellar granule neurons are more vulnerable to transient transport-mediated glutamate release than to glutamate uptake blockade. Correlation with excitatory amino acids levels	TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO Estrada-Sánchez A.M. et al.	NEUROCHEMICAL RESEARCH	2007

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35	Sustained metabolic inhibition induces an increase in the content and phosphorylation of the NR2B subunit of N-methyl-d-aspartate receptors and a decrease in glutamate transport in the rat hippocampus in vivo	TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO Camacho A.	Neuroscience	2007
36	Exacerbation of excitotoxic neuronal death induced during mitochondrial inhibition in vivo: Relation to energy imbalance or ATP depletion?	PERLA DEL ROCIO MORENO CASTILLA TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO et al.	Neuroscience	2007
37	The anion channel blocker, 4,4'-dinitrostilbene-2,2'-disulfonic acid prevents neuronal death and excitatory amino acid release during glycolysis inhibition in the hippocampus in vivo	TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO Camacho A.	Neuroscience	2006
38	D-β-hydroxybutyrate prevents glutamate-mediated lipoperoxidation and neuronal damage elicited during glycolysis inhibition in vivo	JANA AYLIM MEJIA TOIBER TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO	NEUROCHEMICAL RESEARCH	2006
39	Role of oxidative stress on β-amyloid neurotoxicity elicited during impairment of energy metabolism in the hippocampus: Protection by antioxidants	TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO ANA BRIGIDA CLORINDA ARIAS ALVAREZ et al.	EXPERIMENTAL NEUROLOGY	2006
40	Differential effects of the substrate inhibitor L-trans-pyrrolidine-2,4-dicarboxylate (PDC) and the non-substrate inhibitor DL-threo-β-benzyloxyaspartate (DL-TBOA) of glutamate transporters on neuronal damage and extracellular amino acid	TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO Camacho A. et al.	Neuroscience	2005
41	Hyperexcitability induced by GABA withdrawal facilitates hippocampal long-term potentiation	CESAR CASASOLA CASTRO TERESA MONTIEL MONTES Calixto E. et al.	Neuroscience	2004
42	Brain Amino Acids during Hyponatremia in Vivo: Clinical Observations and Experimental Studies	MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES OCTAVIO QUESADA GARCIA et al.	NEUROCHEMICAL RESEARCH	2004
43	Acetoacetate protects hippocampal neurons against glutamate-mediated neuronal damage during glycolysis inhibition	MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES KARLA HERNANDEZ FONSECA et al.	Neuroscience	2003

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44	β -amyloid neurotoxicity is exacerbated during glycolysis inhibition and mitochondrial impairment in the rat hippocampus in vivo and in isolated nerve terminals: Implications for alzheimer's disease	ANA BRIGIDA CLORINDA ARIAS ALVAREZ TERESA MONTIEL MONTES MARIA DE LOURDES MASSIEU TRIGO et al.	EXPERIMENTAL NEUROLOGY	2002
45	Okadaic acid induces epileptic seizures and hyperphosphorylation of the NR2B subunit of the NMDA receptor in rat hippocampus in vivo	ANA BRIGIDA CLORINDA ARIAS ALVAREZ TERESA MONTIEL MONTES JOSE FERNANDO PEÑA ORTEGA et al.	EXPERIMENTAL NEUROLOGY	2002
46	Neurotoxicity of glutamate uptake inhibition in vivo: Correlation with succinate dehydrogenase activity and prevention by energy substrates	MARIA DE LOURDES MASSIEU TRIGO PERLA DEL ROCIO MORENO CASTILLA TERESA MONTIEL MONTES	Neuroscience	2001
47	Hippocampal hyperexcitability induced by GABA withdrawal is due to down-regulation of GABAA receptors	CESAR CASASOLA CASTRO JOSE BARGAS DIAZ TERESA MONTIEL MONTES et al.	EPILEPSY RESEARCH	2001
48	In vivo potentiation of glutamate-mediated neuronal damage after chronic administration of the glycolysis inhibitor iodoacetate	MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES Gómez-Román N.	EXPERIMENTAL NEUROLOGY	2000
49	Neocortical hyperexcitability after GABA withdrawal in vitro	ANA MARIA LOPEZ COLOME CESAR CASASOLA CASTRO TERESA MONTIEL MONTES et al.	EPILEPSY RESEARCH	2000
50	Long-lasting effects of GABA infusion into the cerebral cortex of the rat	TERESA MONTIEL MONTES CESAR CASASOLA CASTRO Almeida D. et al.	NEURAL PLASTICITY	2000
51	Susceptibility to focal and generalized seizures in Wistar rats with genetic absence-like epilepsy	TERESA MONTIEL MONTES Brailowsky S. Boehrer A. et al.	Neuroscience	1999
52	Functional recovery from cortical hemiplegia in the rat: Effects of a callosotomy	ANGELICA ZEPEDA RIVERA TERESA MONTIEL MONTES Brailowsky S.	JOURNAL OF NEUROTRAUMA	1999
53	Motor function in young and aged hemiplegic rats: Effects of a Ginkgo biloba extract	TERESA MONTIEL MONTES Brailowsky S.	NEUROBIOLOGY OF AGING	1997
54	Effects of GABAB receptor antagonists on two models of focal epileptogenesis	TERESA MONTIEL MONTES Brailowsky S. Meneses S. et al.	BRAIN RESEARCH	1995
55	Allopregnanolone potentiates a GABA-withdrawal syndrome in the rat cerebral cortex	TERESA MONTIEL MONTES CANDIDA MARIA CRISTINA LEMINI GUZMAN Calixto E. et al.	NEUROSCIENCE LETTERS	1995

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56	Acceleration of functional recovery from motor cortex ablation by two Ginkgo biloba extracts in rats	TERESA MONTIEL MONTES Brailowsky S. Medina-Ceja L.	RESTOR NEUROL NEUROS	1995
57	Decrease of glutamate decarboxylase activity after in vivo cortical infusion of γ -aminobutyric acid	NORMA PATRICIA SALAZAR SANDOVAL TERESA MONTIEL MONTES RICARDO JORGE TAPIA IBARGUENGOYTIA et al.	NEUROCHEMIST RY INTERNATIONAL	1994
58	Effects of 3-hydroxy,3-ethyl,3-phenylpropionamide (HEPP) on rat models of generalized and focal epilepsy	TERESA MONTIEL MONTES ALICIA ELIZABETH HERNANDEZ ECHEAGARAY Brailowsky S. et al.	EPILEPSY RESEARCH	1992
59	Effects of a Ginkgo biloba extract on two models of cortical hemiplegia in rats	TERESA MONTIEL MONTES ALICIA ELIZABETH HERNANDEZ ECHEAGARAY Brailowsky S. et al.	RESTOR NEUROL NEUROS	1991
60	Transmitter release in hippocampal slices from rats with limbic seizures produced by systemic administration of kainic acid	ANA BRIGIDA CLORINDA ARIAS ALVAREZ TERESA MONTIEL MONTES RICARDO JORGE TAPIA IBARGUENGOYTIA	NEUROCHEMICAL RESEARCH	1990



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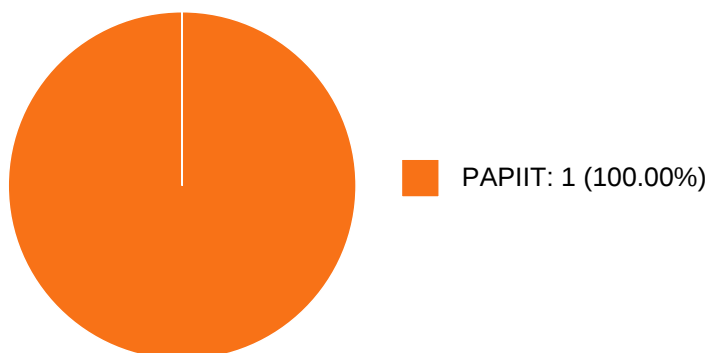
No se encuentran registros en la base de datos de Humanindex asociados a:

TERESA MONTIEL MONTES

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Respuestas al estrés energético inducido por la privación de glucosa en neuronas. Dinámica mitocondrial, mitofagia y función lisosomal y su modificación por el beta-hidroxibutirato	MARIA DE LOURDES MASSIEU TRIGO TERESA MONTIEL MONTES	Recursos PAPIIT	01-01-2019	31-12-2021



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PARTICIPACIÓN EN TESIS

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

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TERESA MONTIEL MONTES

DOCENCIA IMPARTIDA

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

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TERESA MONTIEL MONTES

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