



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



ANA MARIA LOPEZ COLOME

Datos Generales

Nombre: ANA MARIA LOPEZ COLOME

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 53 años

Nombramientos

Vigente: INVESTIGADOR TITULAR C TC Definitivo
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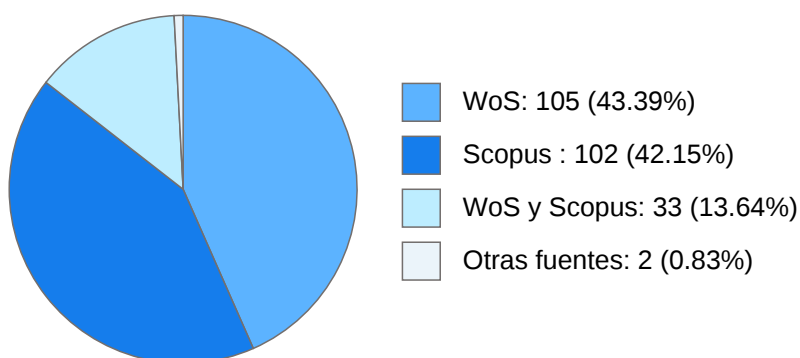
Estímulos, programas, premios y reconocimientos

SNI Emérito 2024 - VIGENTE
SNI III - 2023
PRIDE D - 2024
PUN Investigación en ciencias naturales 2002

ANA MARIA LOPEZ COLOME

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Diversification of PAR signaling through receptor crosstalk	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	CELLULAR & MOLECULAR BIOLOGY LETTERS	2022
2	The PKC-zeta pseudosubstrate peptide induces glutamate release from retinal pigment epithelium cells through kinase-independent activation of Best1	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME et al.	LIFE SCIENCES	2021
3	Thrombin-activated PAR1 membrane expression is regulated by Rab11a-RCP complex dissociation	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME et al.	CELLULAR SIGNALLING	2020
4	Thrombin induces Ca ²⁺ -dependent glutamate release from RPE cells mediated by PLC/PKC and reverse Na ⁺ /Ca ²⁺ exchange	EDITH CATALINA LOPEZ HERNANDEZ IRENE LEE RIVERA ANA MARIA LOPEZ COLOME et al.	MOLECULAR VISION	2019
5	PAR1 activation induces Glutamate release from RPE cells that is Ca ²⁺ and PKC-dependent	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE	2019

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6	Thrombin-induced Ca ²⁺ increase and subsequent calpain activation promotes Protease-Activated Receptor 1 (PAR1) internalization.	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ ARTURO HERNANDEZ CRUZ et al.	MOLECULAR BIOLOGY OF THE CELL	2018
7	Myristoylated PKC-zeta pseudosubstrate peptide induces Glutamate release in RPE cells	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	MOLECULAR BIOLOGY OF THE CELL	2018
8	FAK phosphorylation plays a central role in thrombin-induced RPE cell migration	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME et al.	CELLULAR SIGNALLING	2017
9	PAR1 activation induces calcium-dependent glutamate release from RPE cells	ANA MARIA LOPEZ COLOME IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ	JOURNAL OF NEUROCHEMISTRY	2017
10	Paxillin: A crossroad in pathological cell migration	ANA MARIA LOPEZ COLOME IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ et al.	JOURNAL OF HEMATOLOGY & ONCOLOGY	2017
11	Thrombin-induced calpain activation promotes protease-activated receptor 1 internalization	ADRIAN FERNANDO ALVAREZ IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ et al.	International Journal Of Cell Biology	2017
12	Scaffold and Cell Engineering of Artificial Bruch s Membrane	MARIA CRISTINA VELASQUILLO MARTINEZ PHAEDRA SURIEL SILVA BERMUDEZ ANA MARIA LOPEZ COLOME et al.	INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE	2017
13	Delay in diagnosis of influenza A (H1N1)pdm09 virus infection in critically ill patients and impact on clinical outcome	ANA MARIA LOPEZ COLOME Álvarez-Lerma, F. Marín-Corral, J. et al.	CRITICAL CARE	2016
14	Glutamate Receptor Stimulation Up-Regulates Glutamate Uptake in Human Muller Glia Cells	ANA MARIA LOPEZ COLOME EDITH CATALINA LOPEZ HERNANDEZ Mendez-Flores, Orquidia G. et al.	NEUROCHEMICAL RESEARCH	2016
15	PKC-zeta Regulates Thrombin-Induced Proliferation of Human Muller Glial Cells	IRENE LEE RIVERA ANA MARIA LOPEZ COLOME Lopez, Edith et al.	INVESTIGATIVE OPHTHALMOLOGY & VISUAL SCIENCE	2016
16	Thrombin promotes the expression of Ccnd1 gene in RPE cells through the activation of converging signaling pathways	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ Alejandro Parrales et al.	EXPERIMENTAL EYE RESEARCH	2015
17	Molecular mechanisms that control thrombin-induced cyclin D1 expression in Retinal Pigment Epithelium	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME et al.	MOLECULAR BIOLOGY OF THE CELL	2015
18	Thrombin promotes glutamate release from Retinal Pigment Epithelium cells	EDITH CATALINA LOPEZ HERNANDEZ IRENE LEE RIVERA ANA MARIA LOPEZ COLOME	MOLECULAR BIOLOGY OF THE CELL	2015

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19	Plasma branched-chain and aromatic amino acid concentration after ingestion of an urban or rural diet in rural Mexican women	ANA MARIA LOPEZ COLOME ARMANDO ROBERTO TOVAR PALACIO Noriega L.G. et al.	Bmc Obesity	2015
20	Inhibition of diacylglycerol lipase (DAGL) in the lateral hypothalamus of rats prevents the increase in REMS and food ingestion induced by PAR1 stimulation	MAURICIO MARCEL PEREZ MORALES ANA MARIA LOPEZ COLOME MONICA MENDEZ DIAZ et al.	NEUROSCIENCE LETTERS	2014
21	The role of Thrombin in proliferation of human Muller GI Cells.	IRENE LEE RIVERA M. G. Carranza Perez EDITH CATALINA LOPEZ HERNANDEZ et al.	MOLECULAR BIOLOGY OF THE CELL	2014
22	ERK1/2-dependent activation of mTOR/mTORC1/p70S6K regulates thrombin-induced RPE cell proliferation	Alejandro Parrales EDITH CATALINA LOPEZ HERNANDEZ IRENE LEE RIVERA et al.	CELLULAR SIGNALLING	2013
23	ERK1/2-dependent activation of mTOR/mTORC1/p70S6K mediates thrombin-induced RPE cell proliferation.	ANA MARIA LOPEZ COLOME A. Parrales EDITH CATALINA LOPEZ HERNANDEZ	MOLECULAR BIOLOGY OF THE CELL	2013
24	Signaling Pathways Involved in Thrombin-Induced RPE Proliferation	IRENE LEE RIVERA A. Parrales I. Flores et al.	MOLECULAR BIOLOGY OF THE CELL	2013
25	Thrombin induces slug-mediated E-cadherin transcriptional repression and the parallel Up-regulation of N-cadherin by a transcription-independent mechanism in RPE cells	JOSE PRISCO PALMA NICOLAS ANA MARIA LOPEZ COLOME	JOURNAL OF CELLULAR PHYSIOLOGY	2013
26	Is Nicotine Protective Against Parkinson's Disease? An Experimental Analysis	Jose-Ruben Garcia Montes Alejandra Boronat Garcia ANA MARIA LOPEZ COLOME et al.	CNS & NEUROLOGICAL DISORDERS-DRUG TARGETS	2012
27	Activation of PAR1 in the lateral hypothalamus of rats enhances food intake and REMS through CB1R	MAURICIO MARCEL PEREZ MORALES Ilia Alvarado Capuleno ANA MARIA LOPEZ COLOME et al.	Neuroreport	2012
28	Glutamate transporter-dependent mTOR phosphorylation in Muller glia cells	ANA MARIA LOPEZ COLOME EDITH CATALINA LOPEZ HERNANDEZ Martinez-Lozada, Zila et al.	Asn Neuro	2012
29	Thrombin stimulates stress fiber assembly in RPE cells by PKC/CPI-17-mediated MLCP inactivation	Ariadna Yolanda Ruiz Loreda EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	EXPERIMENTAL EYE RESEARCH	2012
30	Thrombin promotes cyclin D1 upregulation and RPE cell proliferation through the activation of Akt.	A. Parrales EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	MOLECULAR BIOLOGY OF THE CELL	2011

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31	Thrombin Promotes Actin Stress Fiber Formation in RPE Through Rho/ROCK-Mediated MLC Phosphorylation	Ariadna Yolanda Ruiz Loreda EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	JOURNAL OF CELLULAR PHYSIOLOGY	2011
32	Thrombin activation of PI3K/PDK1/Akt signaling promotes cyclin D1 upregulation and RPE cell proliferation	A. Parrales EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	BIOCHIMICA ET BIOPHYSICA ACTA-MOLECULAR CELL RESEARCH	2011
33	Thrombin Stimulates RPE Cell Proliferation by Promoting c-Fos-Mediated Cyclin D1 Expression	Alejandro Parrales JOSE PRISCO PALMA NICOLAS EDITH CATALINA LOPEZ HERNANDEZ et al.	JOURNAL OF CELLULAR PHYSIOLOGY	2010
34	Thrombin Stimulates RPE Cell Motility by PKC-zeta- and NF-kappa B-Dependent Gene Expression of MCP-1 and CINC-1/GRO Chemokines	JOSE PRISCO PALMA NICOLAS EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	JOURNAL OF CELLULAR BIOCHEMISTRY	2010
35	The activation of MEK-ERK1/2 by glutamate receptor-stimulation is involved in the regulation of RPE proliferation and morphologic transformation	REYNA LIZETTE PACHECO DOMINGUEZ JOSE PRISCO PALMA NICOLAS EDITH CATALINA LOPEZ HERNANDEZ et al.	EXPERIMENTAL EYE RESEARCH	2008
36	Glutamate accelerates RPE cell proliferation through ERK1/2 activation via distinct receptor-specific mechanisms	Sofia Garcia EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	JOURNAL OF CELLULAR BIOCHEMISTRY	2008
37	Serum differentially modifies the transcription and translation of NMDAR subunits in retinal neurons	IRENE LEE RIVERA EDITH CATALINA LOPEZ HERNANDEZ JOSE PRISCO PALMA NICOLAS et al.	NEUROCHEMICAL RESEARCH	2008
38	Transcription of the chicken Grin1 gene is regulated by the activity of SP3 and NRSF in undifferentiated cells and neurons	GABRIEL JESUS MORENO GONZALEZ ANA MARIA LOPEZ COLOME GABRIELA RODRIGUEZ ARELLANES et al.	BIOSCIENCE REPORTS	2008
39	PKC isoenzymes differentially modulate the effect of thrombin on MAPK-dependent RPE proliferation	JOSE PRISCO PALMA NICOLAS EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME	BIOSCIENCE REPORTS	2008
40	d-Serine regulates CREB phosphorylation induced by NMDA receptor activation in Müller glia from the retina	IRENE LEE RIVERA ANA MARIA LOPEZ COLOME Lamas M. et al.	NEUROSCIENCE LETTERS	2007
41	Glutamate-induced octamer DNA binding and transcriptional control in cultured radial glia cells	ANA MARIA LOPEZ COLOME López-Bayghen E. Cruz-Solís I. et al.	JOURNAL OF NEUROCHEMISTRY	2006
42	Characteristics and regulation of glycine transport in bergmann glia	IRENE LEE RIVERA ANA MARIA LOPEZ COLOME EDITH CATALINA LOPEZ HERNANDEZ	NEUROCHEMICAL RESEARCH	2005

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43	Cloning and characterization of the chick NMDA receptor subunit-1 gene	ANGEL ALFONSO ZARAIN HERZBERG IRENE LEE RIVERA ANA MARIA LOPEZ COLOME et al.	MOL BRAIN RES	2005
44	Glutamate-Induced Inhibition of D-Aspartate Uptake in Müller Glia from the Retina	ANA MARIA LOPEZ COLOME Gadea A. EDITH CATALINA LOPEZ HERNANDEZ	NEUROCHEMICA L RESEARCH	2004
45	The Life and Times of Bursera glabrifolia (H.B.K.) Engl. in Mexico: A Parable for Ethnobotany	ANA MARIA LOPEZ COLOME Peters C.M. Purata S.E. et al.	ECONOMIC BOTANY	2003
46	Glutamate receptors coupled to nitric oxide synthesis in embryonic retina	ANA MARIA LOPEZ COLOME EDITH CATALINA LOPEZ HERNANDEZ	DEVELOPMENTAL NEUROSCIENCE	2003
47	Developmental expression of N-methyl-D-aspartate glutamate receptor 1 splice variants in the chick retina	IRENE LEE RIVERA ANGEL ALFONSO ZARAIN HERZBERG ANA MARIA LOPEZ COLOME	JOURNAL OF NEUROSCIENCE RESEARCH	2003
48	Role of Ca ²⁺ and calmodulin-dependent enzymes in the regulation of glycine transport in Müller glia	ARTURO HERNANDEZ CRUZ ANA MARIA LOPEZ COLOME Gadea A. et al.	JOURNAL OF NEUROCHEMIST RY	2002
49	Glial transporters for glutamate, glycine and GABA I. Glutamate transporters	ANA MARIA LOPEZ COLOME Gadea A.	JOURNAL OF NEUROSCIENCE RESEARCH	2001
50	Glial transporters for glutamate, glycine, and GABA: II. GABA transporters	ANA MARIA LOPEZ COLOME Gadea A.	JOURNAL OF NEUROSCIENCE RESEARCH	2001
51	Red pigment-concentrating hormone induces a calcium-mediated retraction of distal retinal pigments in the crayfish	ANA MARIA LOPEZ COLOME Porras M.G. Aréchiga H.	JOURNAL OF COMPARATIVE PHYSIOLOGY A-NEUROETHOL OGY SENSORY NEURAL AND BEHAVIORAL PHYSIOLOGY	2001
52	Nervous system ontogeny: Clue of aging and synaptic plasticity? "There is a pattern: The clue is to understand it" [La ontogenia del sistema nervioso: ¿Clave del envejecimiento y de la plasticidad sináptica? "Existe un patrón: La clave es	ANA MARIA LOPEZ COLOME Calderón de Anda F.	SALUD MENTAL	2001
53	Glutamate receptors in the retina: Their modulation by polyamines [Receptores de glutamato en la retina: Su regulación por poliaminas]	ANA MARIA LOPEZ COLOME Calderón F.	Archivos Del Instituto Nacional De Neurología Y Neurocirugía	2000

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54	Neocortical hyperexcitability after GABA withdrawal in vitro	ANA MARIA LOPEZ COLOME CESAR CASASOLA CASTRO TERESA MONTIEL MONTES et al.	EPILEPSY RESEARCH	2000
55	Calcium-independent release of [3H]spermine from chick retina	EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME Calderón F. et al.	BRAIN RESEARCH	2000
56	The adenylate cyclase inhibitor MDL-12330A has a non-specific effect on glycine transport in Muller cells from the retina	EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME Gadea A.	BRAIN RESEARCH	1999
57	Characterization of glycine transport in cultured Muller glial cells from the retina	EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME Gadea A.	Glia	1999
58	Excitatory amino acid-induced inositol phosphate formation in cultured retinal pigment epithelium	ANA MARIA LOPEZ COLOME Fragoso G.	VISUAL NEUROSCI	1999
59	Sodium-dependent glutamate transport in Muller glial cells: Regulation by phorbol esters	ANA MARIA LOPEZ COLOME González M.I. Ortega A.	BRAIN RESEARCH	1999
60	[3H]Spermine binding to synaptosomal membranes from the chick retina	ISRAEL PICHARDO CASAS EDITH CATALINA LOPEZ HERNANDEZ ANA MARIA LOPEZ COLOME et al.	BRAIN RESEARCH	1999
61	Regulation of glycine transport in cultured Muller cells by Ca ²⁺ /calmodulin-dependent enzymes	ANA MARIA LOPEZ COLOME Gadea A.	ANNALS OF THE NEW YORK ACADEMY OF SCIENCES	1999
62	Strychnine-insensitive [3H] glycine binding to synaptosomal membranes from the chick retina	ANA MARIA LOPEZ COLOME Rodríguez-Contreras A. Calderón F.	INTERNATIONAL JOURNAL OF DEVELOPMENTAL NEUROSCIENCE	1998
63	Spermine inhibits [3H]glycine binding at the NMDA receptors from plexiform layers of chick retina	ANA MARIA LOPEZ COLOME Calderón F.	NEUROCHEMICAL RESEARCH	1998
64	Changes in GluR4 expression induced by metabotropic receptor activation in radial glia cultures	TOMAS DAVID LOPEZ DIAZ ANA MARIA LOPEZ COLOME Ortega A.	MOL BRAIN RES	1998
65	Recovery of taste aversion learning induced by fetal neocortex grafts: Correlation with in vivo extracellular acetylcholine	MARIA ISABEL MIRANDA SAUCEDO ANA MARIA LOPEZ COLOME FEDERICO BERMUDEZ RATTONI	BRAIN RESEARCH	1997
66	NMDA receptors in cultured radial glia	TOMAS DAVID LOPEZ DIAZ ANA MARIA LOPEZ COLOME Ortega A.	FEBS LETTERS	1997

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67	Activation of p42 mitogen-activated protein kinase by glutamate in cultured radial glia	ANA MARIA LOPEZ COLOME Ortega A.	NEUROCHEMICA L RESEARCH	1997
68	Excitatory amino acid receptors coupled to the phosphoinositide pathway in Bergmann glia	ANA MARIA LOPEZ COLOME Ortega A. Fragoso G. et al.	NEUROCHEMICA L RESEARCH	1997
69	As [Características farmacológicas de las subunidades de los receptores de glutamato del tipo N-metil-D-aspartato (NMDA)]	ANA MARIA LOPEZ COLOME Rodríguez A.	SALUD MENTAL	1997
70	Pharmacological characterization of inositol-1,4,5,-trisphosphate binding to membranes from retina and retinal cultures	ANA MARIA LOPEZ COLOME IRENE LEE RIVERA	JOURNAL OF NEUROSCIENCE RESEARCH	1996
71	Serum affects the characteristics of excitatory amino acid-binding sites on Müller cells	ANA MARIA LOPEZ COLOME Romo-De-Vivar M.	NEUROSCIENCE RESEARCH	1996
72	Excitatory amino acid-induced AP-1 DNA binding activity in Muller glia	ANA MARIA LOPEZ COLOME Murbartian J. Ortega A.	JOURNAL OF NEUROSCIENCE RESEARCH	1995
73	Glycine stimulation of glutamate binding to chick retinal pigment epithelium	ANA MARIA LOPEZ COLOME Fragoso G.	NEUROCHEMICA L RESEARCH	1995
74	Excitatory amino acid receptors in membranes from cultured human retinal pigment epithelium	ANA MARIA LOPEZ COLOME Fragoso G. Wright C.E. et al.	CURRENT EYE RESEARCH	1994
75	AMPA/KA receptor expression in radial glia	ANA MARIA LOPEZ COLOME López T. Ortega A.	Neuroreport	1994
76	Specific interaction of glutamate with membranes from cultured retinal pigment epithelium	ANA MARIA LOPEZ COLOME ROCIO SALCEDA SACANELLES Fragoso G.	JOURNAL OF NEUROSCIENCE RESEARCH	1993
77	Excitatory amino acid-induced phosphoinositide hydrolysis in Müller glia.	ANA MARIA LOPEZ COLOME Ortega A. Romo-de-Vivar M.	Glia	1993
78	N-Methyl-d-aspartate receptors in the retina: 3-[(±)-2-Carboxypiperazin-4-yl]-propyl-1-phosphonic acid (CPP) binding studies	ANA MARIA LOPEZ COLOME Somohano F.	Neuropharmacology	1992
79	Administration of AP5, a glutamate antagonist, unmasks glycine analgesic actions in the rat	ANA MARIA LOPEZ COLOME Beyer C. Komisaruk B.R. et al.	PHARMACOLOGY AND BEHAVIOR	1992
80	Characteristics of excitatory amino acid uptake in cultures from neurons and glia from the retina	ANA MARIA LOPEZ COLOME Somohano F.	JOURNAL OF NEUROSCIENCE RESEARCH	1991

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81	Taurine receptors in membranes from retinal pigment epithelium cells in culture	ANA MARIA LOPEZ COLOME ROCIO SALCEDA SACANELLES Frago G.	Neuroscience	1991
82	Gabaergic control of receptivity in the female rat	ANA MARIA LOPEZ COLOME McCarthy M.M. Masters D.B. et al.	Neuroendocrinology	1991
83	Excitatory amino acid receptors in primary cultures of glial cells from the retina.	ANA MARIA LOPEZ COLOME Romo-de-Vivar M.	Glia	1991
84	Enhancement of [3H]muscimol binding to brain synaptic membranes by progesterone and related pregnanes	ANA MARIA LOPEZ COLOME McCarthy M. Beyer C.	EUROPEAN JOURNAL OF PHARMACOLOGY	1990
85	Chloramphenicol modifies benzodiazepine receptor rhythm in the pontomesencephalic formation of the rat	ANA MARIA LOPEZ COLOME RENE RAUL DRUCKER COLIN	BRAIN RESEARCH	1990
86	Sea urchin sperm head plasma membranes: characteristics and egg jelly induced Ca ²⁺ and Na ⁺ uptake	ANA MARIA LOPEZ COLOME ALBERTO DARSZON ISRAEL García-Soto J. et al.	BIOCHIMICA ET BIOPHYSICA ACTA-BIOMEMBRANES	1988
87	Maturational changes in retinal excitatory amino acid receptors	ANA MARIA LOPEZ COLOME Somohano F. Roberts P.J.	DEV BRAIN RES	1988
88	Maturational changes in retinal excitatory amino acid receptors.	ANA MARIA LOPEZ COLOME Somohano F. Roberts P.J.	BRAIN RESEARCH	1988
89	Characterization of quisqualate-type I-glutamate receptors in the retina	ANA MARIA LOPEZ COLOME Somohano F.	BRAIN RESEARCH	1987
90	Effect of excitatory amino acid analogues on the release of D-[3H]aspartate from chick retina	ANA MARIA LOPEZ COLOME Roberts P.J.	EUROPEAN JOURNAL OF PHARMACOLOGY	1987
91	Effect of selective kainate lesions on the release of glutamate and aspartate from chick retina	ANA MARIA LOPEZ COLOME Somohano F.	JOURNAL OF NEUROSCIENCE RESEARCH	1986
92	Excitatory amino acids in the chick retina: Possible involvement of cyclic guanosine monophosphate	ANA MARIA LOPEZ COLOME Anand H. Roberts P.J.	NEUROSCIENCE LETTERS	1985
93	Ultradian rhythm of pontomesencephalic opiate receptor: Modification by chloramphenicol	ANA MARIA LOPEZ COLOME RENE RAUL DRUCKER COLIN	EXPERIMENTAL NEUROLOGY	1984

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94	Kainate reversibly aggregates brain tubulin in vitro	ANA MARIA LOPEZ COLOME Casas A.	BIOCHEMICAL AND BIOPHYSICAL RESEARCH COMMUNICATIONS	1984
95	Localization of I-glutamate and I-aspartate synaptic receptors in chick retinal neurons	ANA MARIA LOPEZ COLOME Somohano F.	BRAIN RESEARCH	1984
96	Subcellular localization of tubulin in chick retina	ANA MARIA LOPEZ COLOME Casas A.	NEUROCHEMICAL RESEARCH	1983
97	Characterization of [I-3H]aspartate binding to chick retinal subcellular fractions	ANA MARIA LOPEZ COLOME Somohano F.	VISION RES	1982
98	Effect of taurine on 45Ca transport in frog retinal rod outer segments	ANA MARIA LOPEZ COLOME Pasantes-Morales H.	EXPERIMENTAL EYE RESEARCH	1981
99	Taurine receptors in CNS membranes: binding studies.	ANA MARIA LOPEZ COLOME	Advances in Experimental Medicine and Biology	1981
100	Taurine binding to membranes from rat brain regions	ANA MARIA LOPEZ COLOME Pasantes-Morales H.	JOURNAL OF NEUROSCIENCE RESEARCH	1981
101	High-affinity binding of I-glutamate to chick retinal membranes	ANA MARIA LOPEZ COLOME	NEUROCHEMICAL RESEARCH	1981
102	Taurine interactions with chick retinal membranes	ANA MARIA LOPEZ COLOME Pasantes-Morales H.	JOURNAL OF NEUROCHEMISTRY	1980
103	The effect of colchicine and cytochalasin B on the release of taurine from the chick retina	ROCIO SALCEDA SACANELLES ANA MARIA LOPEZ COLOME Pasantes-Morales H.	JOURNAL OF NEUROCHEMISTRY	1980
104	Specific interaction of L-glutamic acid with the retinal membranes [INTERACCION ESPECIFICA DEL ACIDO L-GLUTAMICO CON LAS MEMBRANAS DE LA RETINA]	ANA MARIA LOPEZ COLOME	Boletín De Estudios Médicos Y Biológicos	1980
105	Taurine effects on 45Ca ²⁺ transport in retinal subcellular fractions	ANA MARIA LOPEZ COLOME Pasantes-Morales H. Ademe R.M.	BRAIN RESEARCH	1979
106	Glutamate decarboxylase activity in chick brain and retina - Inhibition of the immature enzyme by triton-X-100	ANA MARIA LOPEZ COLOME ROCIO SALCEDA SACANELLES RICARDO JORGE TAPIA IBARGUENGOYTIA	NEUROCHEMICAL RESEARCH	1979

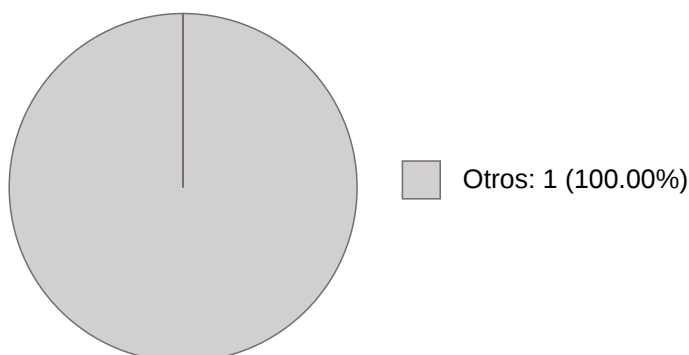
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107	Sites of union to the receptor of GABA and taurin in membranes of subcellular fractions of the retina [SITIOS DE UNION AL RECEPTOR DE GABA Y TAURINA EN MEMBRANAS DE FRACCIONES SUBCELULARES DE LA RETINA]	ANA MARIA LOPEZ COLOME Pasantes-Morales H.	Boletín De Estudios Médicos Y Biológicos	1978
108	Potassium-stimulated release of GABA, glycine, and taurine from the chick retina	ANA MARIA LOPEZ COLOME ROCIO SALCEDA SACANELLES Pasantes-Morales H.	NEUROCHEMICAL RESEARCH	1978
109	K ⁺ -stimulated release of labeled γ -aminobutyrate, glycine and taurine in slices of several regions of rat central nervous system	ANA MARIA LOPEZ COLOME RICARDO JORGE TAPIA IBARGUENGOYTIA ROCIO SALCEDA SACANELLES et al.	Neuroscience	1978
110	Light-stimulated release of [35S]taurine from frog retinal rod outer segments	ROCIO SALCEDA SACANELLES ANA MARIA LOPEZ COLOME Pasantes-Morales H.	BRAIN RESEARCH	1977
111	Cysteine sulphinate decarboxylase in chick and rat retina during development	ANA MARIA LOPEZ COLOME Pasantes Morales H. Salceda andMandel R.P.	JOURNAL OF NEUROCHEMISTRY	1976
112	Different effects of calcium flux-blocking agents on light and potassium stimulated release of taurine from retina	ANA MARIA LOPEZ COLOME Erlij D. Pasantes-Morales H.	BRAIN RESEARCH	1976
113	Characterization of a NADPH-dependent coenzyme A-S-S-glutathione reductase from yeast	RAUL NARCISO ONDARZA VIDAURRETA ANA MARIA LOPEZ COLOME Abney R.	Bba - Enzymology	1969

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LIBROS Y CAPITULOS CON ISBN

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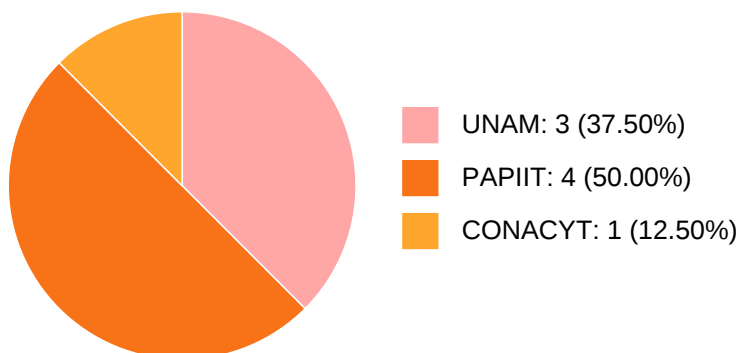


#	Título	Autores	Alcance	Año	ISBN
1	NEW INSIGHTS INTO THE REGULATION OF MYOSIN LIGHT CHAIN PHOSPHORYLATION IN RETINAL PIGMENT EPITHELIAL CELLS	Ariadna Yolanda Ruiz Loreda ANA MARIA LOPEZ COLOME	Review	2012	9780123943040

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	Análisis molecular de la estructura y función de los receptores de glutamato en la retina.	ANA MARIA LOPEZ COLOME	Presupuesto de la UNAM asignado a la Dependencia	01-01-2008	31-12-2028
2	Transformación fibroblástica del epitelio pigmentado de la retina /EPR/: Participación del glutamato y el TGF-BETA.	ANA MARIA LOPEZ COLOME	Presupuesto de la UNAM asignado a la Dependencia	01-01-2008	31-12-2028
3	La trombina como agente inductor de gliosis en la retina	ANA MARIA LOPEZ COLOME	Recursos CONACYT	19-10-2016	18-10-2019
4	Regulación de la actividad de los Receptores Activados por Proteasas (PARs) por la Calpaína en el Epitelio Pigmentado de la Retina	ANA MARIA LOPEZ COLOME	Recursos PAPIIT	01-01-2017	01-12-2019
5	Efecto de la trombina sobre la liberación de Glutamato en células del Epitelio Pigmentado de la Retina	ANA MARIA LOPEZ COLOME	Recursos PAPIIT	01-01-2020	31-12-2022
6	Efecto de la trombina sobre la liberación de Glutamato en células del Epitelio Pigmentado de la Retina.	ANA MARIA LOPEZ COLOME	Recursos PAPIIT	01-01-2020	31-12-2022



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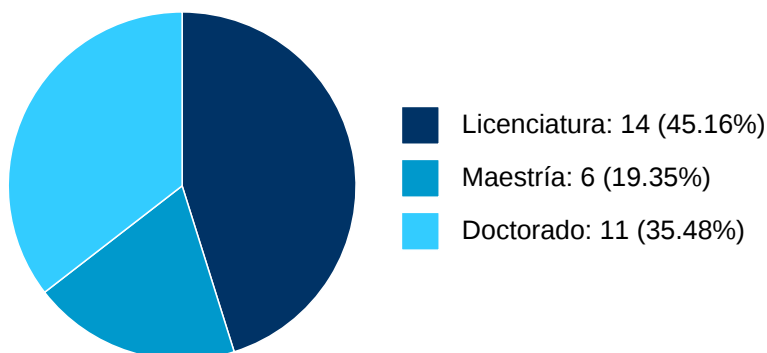
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7	Efecto de la trombina sobre la activación de la fosfatasa PTP-PEST en el epitelio pigmentado de la retina (EPR)	ANA MARIA LOPEZ COLOME	Recursos PAPIIT	01-01-2023	31-12-2024
8	Efecto de la trombina sobre la activación de la fosfatasa PTP PEST en el epitelio pigmentado de la retina (EPR)	ANA MARIA LOPEZ COLOME	Presupuesto de la UNAM asignado a la Dependencia	01-01-2024	31-12-2025

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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 la activación de la calpaína y su relación con la internalización de los Receptores Activados por Proteasa (PARs) en células del Epitelio Pigmentado de la Retina (EPR) estimuladas con trombina	Tesis de Doctorado	ANA BRIGIDA CLORINDA ARIAS ALVAREZ,	ANA MARIA LOPEZ COLOME, JESUS ADOLFO GARCIA SAINZ, et al.	Instituto de Fisiología Celular, Instituto de Investigaciones Biomédicas,	2024
2	Efecto de la trombina sobre las vías de señalización que activan a ERK en la glía de Müller humana	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Jaime Rodríguez, Sergio de Jesús,	Instituto de Fisiología Celular,	2023
3	Efecto de la trombina en la proliferación de las células gliales de Müller	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Aguilar Lomas, Óscar Amaury,	Instituto de Fisiología Celular,	2017

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4	Caracterización bioquímica de la activación de la cinasa de adhesión focal pp125 fak inducida por trombina en células del epitelio pigmentado de la retina (EPR)	Tesis de Maestría	ANA MARIA LOPEZ COLOME,	Aguilar Solis, Eduardo Daniel,	Instituto de Fisiología Celular,	2017
5	Análisis del efecto de la trombina sobre la proliferación de las células del epitelio pigmentado de la retina	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Flores Ramírez, Iván,	Instituto de Fisiología Celular,	2013
6	Vías de señalamiento que controlan la reorganización del citoesqueleto de actina en células del epitelio pigmentado de la retina: : efecto de la trombina	Tesis de Doctorado	ANA MARIA LOPEZ COLOME,	Ruíz Loredó, Ariadna Yolanda,	Instituto de Fisiología Celular,	2012
7	Efecto de la trombina sobre la expresión de genes involucrados en el control del ciclo celular en células del epitelio pigmentado de la retina	Tesis de Doctorado	ANA MARIA LOPEZ COLOME,	Parrales Briones, Alejandro,	Instituto de Fisiología Celular,	2012
8	Efectos de la administración subcrónica de los endocannabinoides anandamida y oleamida sobre el sueño	Tesis de Doctorado	ANA MARIA LOPEZ COLOME,	OSCAR PROSPERO GARCIA, Herrera Solís, Mónica Andrea,	Facultad de Medicina, Instituto de Fisiología Celular,	2010
9	Activación de la vía de las MAP cinasas ERK 1/2 por el glutamato en las células del epitelio pigmentado de la retina	Tesis de Doctorado	ANA MARIA LOPEZ COLOME,	García Hernández, Sofía,	Instituto de Fisiología Celular,	2009
10	Caracterización del transporte de glicina en el epitelio pigmentado de la retina	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Aguilar Fernández, Rocío,	Instituto de Fisiología Celular,	2009

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11	El sistema canabinérgico modula la consolidación y la extinción de la memoria en ratas	Tesis de Doctorado	JOSE BARGAS DIAZ,	ANA MARIA LOPEZ COLOME, OSCAR PROSPERO GARCIA, et al.	Facultad de Ciencias, Facultad de Medicina, Instituto de Fisiología Celular,	2008
12	Análisis molecular de un posible sitio de fosforilación por caseína cinasa II (CK2) en la subunidad NR1 el receptor NMDA en la retina del pollo	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Parrales Briones, Alejandro,		2007
13	Efecto del glutamato sobre la fisiopatogenia de la vitreorretinopatía proliferativa	Tesis de Maestría	ANA MARIA LOPEZ COLOME,	Pacheco Domínguez, Reyna Lizette,		2007
14	Liberación del factor de crecimiento transformante [beta] y expresión de sus receptores en el epitelio pigmentado de la retina : efecto del glutamato	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Ruiz Loreda, Ariadna Yolanda,		2007
15	Inducción de desprendimiento del vítreo posterior en pacientes con retinopatía diabética no proliferativa	Tesis de Maestría	ANA MARIA LOPEZ COLOME,	Fuente Torres, Marco Antonio de la,		2006
16	caracterización del perfil de expresión de los receptores para nmda en el desarrollo de la retina	Tesis de Doctorado	ANA MARIA LOPEZ COLOME,	Lee Rivera, Irene,		2004
17	Regulación de los transportadores membranales de glicina en la glía de Muller de la retina	Tesis de Doctorado	ANA MARIA LOPEZ COLOME,	Gadea Perez, Ana Eva,		2002
18	La espermina como posible neuromodulador de la transmisión excitadora en la retina de pollo	Tesis de Doctorado	ANA MARIA LOPEZ COLOME,	Calderon de Anda, Froylan,		2002

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19	Efecto de la activacion de receptores glutamatergicos sobre la sintesis de oxido nitrico en la retina	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Paz Villagran, Vietminh,	2000
20	Liberacion de espermina - [3H] en cultivos primarios de celulas de Muller y neuronas de la retina de pollo	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Rodríguez Rodríguez, Gabriela,	2000
21	Caracterizacion de los sistemas de segundos mensajeros acoplados a receptores para acido glutamico en el epitelio pigmentario de la retina	Tesis de Doctorado	ANA MARIA LOPEZ COLOME,	Fragoso Contreras, Gabriela,	1999
22	Efecto modulador de las poliaminas sobre receptores de tipo NMDA en la retina de pollo	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Calderon de Anda, Froylan,	1998
23	Estudio bioquimico y farmacologico del trasporte de glicina en las celulas de Muller de la retina	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Gadea Perez, Ana Eva,	1997
24	Activacion de la hidrolisis de fosfoinositidos por glutamato en las celulas de Bergmann del cerebelo	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Trueba Elizalde, Erika,	1996
25	Los receptores para aminoacidos excitadores y su modulacion por aminoacidos inhibidores en celulas del epitelio pigmentario de la retina en cultivo	Tesis de Maestría	ANA MARIA LOPEZ COLOME,	Fragoso Contreras, Gabriela,	1995
26	Induccion de factores de transcripcion mediado por receptores a glutamato en celulas gliales de Muller de la retina	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Murbartian Aguilar, Janet,	1994

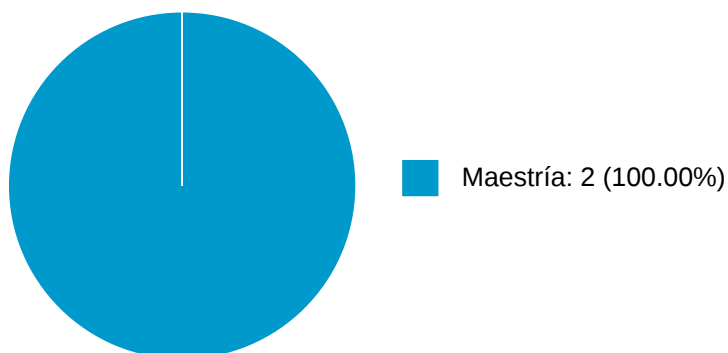
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27	Caracterización de la unión de glicina-3H y estricnina 3H a las membranas sinaptosomales de la retina de la rana	Tesis de Maestría	ANA MARIA LOPEZ COLOME,	Perez Leon, Jorge Alberto,	1994
28	Características bioquímicas de los receptores aminoácidos excitadores de las células de Muller, durante la diferenciación en cultivo	Tesis de Maestría	ANA MARIA LOPEZ COLOME,	Romo de Vivar Villasana, Monica,	1993
29	Caracterización de los receptores a aminoácidos en cultivos primarios de epitelio pigmentario de la retina	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Fragoso Contreras, Gabriela,	1990
30	Caracterización de los receptores a aminoácidos excitadores en células gliales de la retina de pollo en cultivo	Tesis de Licenciatura	ANA MARIA LOPEZ COLOME,	Romo de Vivar Villasana, Monica,	1990
31	Diferenciación de los receptores para aminoácidos excitadores en la retina	Tesis de Doctorado	ANA MARIA LOPEZ COLOME,	Somohano Eres, Frida,	1990

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TRABAJO DE INVESTIGACION IV	Facultad de Ciencias	1	2016-2
2	Maestría	TRABAJO DE INVESTIGACION III	Facultad de Ciencias	1	2016-1



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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