

Artículos.

Acosta MC., Luna C., Graff G., Meseguer VM., Viana F., Gallar J., Belmonte C.(2007) Comparative Effects of the Nonsteroidal Antiinflammatory Drug Napafenac on Corneal Sensory Nerve Fibers Responding to Chemical Irritation. *Invest. Ophthalmol. Vis. Sci.* 48(1):182-188 (F.I.: 3.528)

Aldea M., Mulet J., Sala S., Sala F., Criado M.(2007) Non-charged amino acids from three different domains contribute to link agonist binding to channel gating in a7 nicotinic acetylcholine receptors. *J. Neurochem.* 103(2):725-735 (F.I.: 4.451)

Ardid S., Wang XJ., Compte A.(2007) An integrated microcircuit model of attentional processing in the neocortex. *J. Neurosci.* 27(32):8486-8495 (F.I.: 7.49)

Arellano JL., Espinosa A., Fairen A., Yuste R., DeFelipe J.(2007) Non-synaptic dendritic spines in neocortex. *Neuroscience* 145:464-469 (F.I.: 3.352)

Barco A.(2007) The Rubinstein-Taybi syndrome: modeling mental impairment in the mouse. *Genes Brain Behav.* 6 (s1):32-39 (F.I.: 3.533)

Belmonte C.(2007) Eye Dryness Sensations After Refractive Surgery: Impaired Tear Secretion or Phantom Cornea?. *J. Refractive Surg.* 23:598-602 (F.I.: 1.696)

Benitez-del-Castillo JM., Acosta MC., Wassif MA., Diaz-Valle D., Gegundez JA., Fernandez C., Garcia-Sanchez J. (2007) Relation between Corneal Innervation with Confocal Microscopy and Corneal Sensitivity with Noncontact Esthesiometry in Patients with Dry Eye. *Invest. Ophthalmol. Vis. Sci.* 48(1):173-181 (F.I.: 3.528)

Berbel P., Obregon MJ., Bernal J., Escobar del Rey F., Morreale de Escobar G.(2007) Iodine supplementation during pregnancy: a public health challenge. *Trends Endocrinol. Metab.* 18(9):338-343 (F.I.: 7.195)

Blanco MJ., Barrallo-Gimeno A., Acloque H., Reyes AE., Tada M., Allende ML., Mayor R., Nieto MA.(2007) Snail1a and Snail1b cooperate in the anterior migration of the axial mesendoderm in the zebrafish embryo. *Development* 134(22):4073-4081 (F.I.: 7.293)

Borrell V., Pujadas L., Simo S., Dura D., Sole M., Cooper JA., Del Rio JA., Soriano E.(2007) Reelin and mDab1 regulate the development of hippocampal connections. *Mol. Cell. Neurosci.* 36(2):158-173 (F.I.: 3.994)

Boutet A., Esteban MA., Maxwell PH., Nieto MA.(2007) Reactivation of Snail genes in renal fibrosis and carcinomas: a process of reversed embryogenesis? *Cell Cycle* 6(6):638-642 (F.I.: 3.314)

Bright DP., Aller MI., Brickley SG.(2007) Synaptic release generates a tonic GABA(A) receptor-mediated conductance that modulates burst precision in thalamic relay neurons. *J. Neurosci.* 27(10):2560-2569 (F.I.: 7.49)

Cabanes C., Bonilla S., Tabares L., Martinez S.(2007) Neuroprotective effect of adult hematopoietic marrow stem cells in a mouse model of motoneuron degeneration. *Neurobiol. Dis.* 26(2):408-418 (F.I.: 4.377)

Carney RS., Bystron I., Lopez-Bendito G., Molnar Z.(2007) Comparative analysis of extra-ventricular mitoses at early stages of cortical development in rat and human. *Brain Struct Funct* 212:37-54 (F.I.: 0)

Castelan F., Mulet J., Aldea M., Sala S., Sala F., Criado M.(2007) Cytoplasmic regions adjacent to the M3 and M4 transmembrane segments influence expression and function of alpha7 nicotinic acetylcholine receptors. A study with single amino acid mutants. *J. Neurochem.* 100:406-415 (F.I.: 4.451)

Colonques J., Ceron J., Tejedor FJ.(2007) Segregation of postembryonic neuronal and glial lineages inferred from a mosaic analysis of the Drosophila larval brain. *Mech. Dev.* 124:327-340 (F.I.: 3.518)

De Frutos CA., Vega S., Manzanares M., Flores JM., Huertas H., Martinez-Frias ML., Nieto MA.(2007) Snail 1 is a transcriptional effector of FGFR3 signaling during chondrogenesis and achondroplasias. *Dev. Cell.* 13(6):872-883 (F.I.: 12.436)

Publicaciones IN año 2007



INSTITUTO DE NEUROCIENCIAS
DE ALICANTE

Erskine L., Herrera E.(2007) The retinal ganglion cell axon's journey: Insights into molecular mechanisms of axon guidance. *Dev. Biol.* 308(1):1-14 (F.I.: 4.714)

Fairen A.(2007) Cajal and Lorente de Nò on cortical interneurons: coincidences and progress. *Brain Res. Rev.* 55:430-444 (F.I.: 6.477)

Flames N., Pla R., Gelman DM., Rubenstein JL., Puelles L., Marin O.(2007) Delineation of Multiple Subpallial Progenitor Domains by the Combinatorial Expression of Transcriptional Codes. *J. Neurosci.* 27(36):9682-9695 (F.I.: 7.49)

Fogarty M., Grist M., Gelman D., Marin O., Pachnis V., Kessaris N.(2007) Spatial Genetic Patterning of the Embryonic Neuroepithelium Generates GABAergic Interneuron Diversity in the Adult Cortex. *J. Neurosci.* 27(41):10935-10946 (F.I.: 7.49)

Friedel RH., Kerjan G., Rayburn H., Schuller U., Sotelo C., Tessier Lavigne M., Chedotal A.(2007) Plexin-B2 Controls the Development of Cerebellar Granule Cells. *J. Neurosci.* 27(14):3921-3932 (F.I.: 7.49)

Gallar J., Acosta MC., Gutierrez AR., Belmonte C.(2007) Impulse Activity in Corneal Sensory Nerve Fibers after Photorefractive Keratectomy. *Invest. Ophthalmol. Vis. Sci.* 48(9):4033-4037 (F.I.: 3.528)

Garcia-Ayllon MS., Silveyra MX., Andreasen N., Brimijoin S., Blennow K., Saez-Valero J.(2007) Cerebrospinal fluid acetylcholinesterase changes after treatment with donepezil in patients with Alzheimer's disease. *J. Neurochem.* 101(6):1701-1711 (F.I.: 4.451)

Garcia-Cabezas MA., Rico B., Sanchez-Gonzalez M., Cavada C.(2007) Distribution of the dopamine innervation in the macaque and human thalamus. *NeuroImage* 34(3):965-984 (F.I.: 5.457)

Garcia-Frigola C., Carreres MI., Vegar C., Herrera E.(2007) Gene delivery into mouse retinal ganglion cells by in utero electroporation. *BMC Dev. Biol.* 7(1):103-doi10.1186 (F.I.: 3.337)

García-Sanz N., Valente P., Gomis A., Fernández-Carvajal A., Fernández-Ballester G., Viana F., Belmonte C., Ferrer-Montiel A.(2007) A Role of the Transient Receptor Potential Domain of Vanilloid Receptor I in Channel Gating. *J. Neurosci.* 27(43):11641-11650 (F.I.: 7.49)

Gimeno L., Martinez S.(2007) Expression of chick Fgf19 and mouse Fgf15 orthologs is regulated in the developing brain by Fgf8 and Shh. *Dev. Dyn.* 236(8):2285-2297 (F.I.: 3.084)

Giner D., Lopez I., Neco P., Rossetto O., Montecucco C., Gutierrez LM.(2007) Glycogen synthase kinase 3 activation is essential for the snake phospholipase A2 neurotoxin-induced secretion in chromaffin cells. *Eur. J. Neurosci.* 25(8):2341-2348 (F.I.: 3.673)

Giner D., Lopez I., Villanueva J., Torres V., Viniegra S., Gutierrez LM.(2007) Vesicle movements are governed by the size and dynamics of F-actin cytoskeletal structures in bovine chromaffin cells. *Neuroscience* 146(2):659-669 (F.I.: 3.352)

Giros A., Morante J., Gil-Sanz C., Fairen A., Costell M.(2007) Perlecan controls neurogenesis in the developing telencephalon. *BMC Dev. Biol.* 7(29):doi-10.1186 (F.I.: 3.337)

Gomis A., Miralles A., Schmidt RF., Belmonte C.(2007) Nociceptive nerve activity in an experimental model of knee joint osteoarthritis of the guinea pig: Effect of intra-articular hyaluronan application. *Pain* 130(1-2):126-136 (F.I.: 5.249)

Hammerle B., Tejedor FJ.(2007) A Novel Function of DELTA-NOTCH Signalling Mediates the Transition from Proliferation to Neurogenesis in Neural Progenitor Cells. *PLoS ONE* 2(11):e1169-doi10.1371 (F.I.: 0)

Joelving FC., Compte A., Constantinidis C.(2007) Temporal properties of posterior parietal neuron discharges during working memory and passive viewing. *J. Neurophysiol.* 97(3):2254-2266 (F.I.: 3.684)

Korpi ER., Debus F., Linden AM., Malecot C., Leppa E., Vekovischeva O., Rabe H., Bohme I., Aller MI., Wisden W., Luddens H.(2007) Does ethanol act preferentially via selected brain GABA_A receptor subtypes? the current evidence is ambiguous. *Alcohol* 41(3):163-176 (F.I.: 2.14)

CORREO ELECTRONICO:

in@umh.es
direccion.in@umh.es

UNIVERSIDAD MIGUEL HERNANDEZ
CAMPUS SANT JOAN D'ALACANT
03550 ALICANTE. ESPAÑA
TEL: +34 965 23 37 00
FAX: +34 965 91 95 61

Publicaciones IN año 2007



INSTITUTO DE NEUROCIENCIAS
DE ALICANTE

Leal-Campanario R., Fairen A., Delgado-Garcia JM., Gruart A.(2007) Electrical stimulation of the rostral medial prefrontal cortex in rabbits inhibits the expression of conditioned eyelid responses but not their acquisition. Proc. Natl. Acad. Sci. U. S. A. 104(27):11459-11464 (F.I.: 9.598)

Lopez de Armentia M., Jancic D., Olivares R., Alarcon ER., Kandel ER., Barco A.(2007) cAMP response element-binding protein-mediated gene expression increases the intrinsic excitability of CA1 pyramidal neurons. J. Neurosci. 27(50):13909-13918 (F.I.: 7.49)

Lopez de Armentia M., Sah P.(2007) Bidirectional synaptic plasticity at nociceptive afferents in the rat central amygdala. J. Physiol.-London 581(3):961-970 (F.I.: 4.58)

Lopez I., Giner D., Ruiz-Nuno A., Fuentealba J., Viniegra S., Garcia AG., Davletov B., Gutierrez LM.(2007) Tight coupling of the t-SNARE and calcium channel microdomains in adrenomedullary slices and not in cultured chromaffin cells. Cell Calcium 41(6):547-558 (F.I.: 4.338)

Lopez-Bendito G., Flames N., Ma L., Fouquet C., Di Meglio T., Chedotal A., Tessier-Lavigne M., Marin O.(2007) Robo1 and Robo2 Cooperate to Control the Guidance of Major Axonal Tracts in the Mammalian Forebrain. J. Neurosci. 27(13):3395-3407 (F.I.: 7.49)

Luque JM.(2007) Puzzling out the reeler brainteaser: Does reelin signal to unique neural lineages? Brain Res. 1140:41-50 (F.I.: 2.218)

Malkia A., Madrid R., Meseguer V., De la Peña E., Valero M., Belmonte C., Viana F.(2007) Bidirectional shifts of TRPM8 channel gating by temperature and chemical agents modulate the cold sensitivity of mammalian thermoreceptors. J. Physiol.-London 581(1):155-174 (F.I.: 4.58)

Maravall M., Petersen RS., Fairhall AL., Arabzadeh E., Diamond ME.(2007) Shifts in Coding Properties and Maintenance of Information Transmission during Adaptation in Barrel Cortex. PLoS. Biol. 5(2):e19-doi10.1371 (F.I.: 13.501)

Martinez S., Escamez T., Viera E., Tabares-Seisdedos R.(2007) Neurodevelopmental mechanisms underlying psychosis. Int. Clin. Psychopharmacol. 22:S1-S7 (F.I.: 3.262)

Montemurro MA., Panzeri S., Maravall M., Alenda A., Bale MR., Brambilla M., Petersen RS.(2007) Role of precise spike timing in coding of dynamic vibrissa stimuli in somatosensory thalamus. J. Neurophysiol. 98(4):1871-1882 (F.I.: 3.684)

Morales AV., Acloque H., Ocana OH., de Frutos CA., Gold V., Nieto MA.(2007) Snail genes at the crossroads of symmetric and asymmetric processes in the developing mesoderm. EMBO Rep. 8(1):104-109 (F.I.: 7.45)

Oliva JM., Manzanares J.(2007) Gene transcription alterations associated with decrease of ethanol intake induced by naltrexone in the brain of wistar rats. Neuropsychopharmacology 32(6):1358-1369 (F.I.: 6.157)

Palomero T.,Sulis ML., Cortina M., Real PJ., Barnes K.,Ciofani M., Caparros E., Buteau J.,Brown K.,Perkins SL., Bhagat G., Agarwal AM.,Basso G., Castillo M.,Nagase S.,Cordon-Cardo C., Parsons R., Zuñiga-Pflucker JC., Dominguez M., Ferrando A.(2007) Mutational loss of PTEN induces resistance to NOTCH1 inhibition in T-cell leukemia. Nat. Med. 13(10):1203-1210 (F.I.: 26.382)

Pertusa M., Morenilla-Palao C., Carteron C., Viana F., Cabedo H.(2007) Transcriptional control of cholesterol of biosynthesis in Schwann cells by axonal neuregulin 1. J. Biol. Chem. 282(39):28768-28778 (F.I.: 5.581)

Pombero A., Valdes L., Vieira C., Martinez S.(2007) Developmental mechanisms and experimental models to understand forebrain malformative diseases. Genes Brain Behav. 6(1):45-52 (F.I.: 3.533)

Puccini GD., Sanchez-Vives MV., Compte A.(2007) Integrated Mechanisms of Anticipation and Rate-of-Change Computations in Cortical Circuits. PLoS Comput. Biol. 3(5):813-825 (F.I.: 6.236)

Puelles E.(2007) Genetic control of basal midbrain development. J. Neurosci. Res. 85(16):3530-3534 (F.I.: 3.268)

CORREO ELECTRONICO:

in@umh.es
direccion.in@umh.es

UNIVERSIDAD MIGUEL HERNANDEZ
CAMPUS SANT JOAN D'ALACANT
03550 ALICANTE. ESPAÑA
TEL: +34 965 23 37 00
FAX: +34 965 91 95 61

Publicaciones IN año 2007



INSTITUTO DE NEUROCIENCIAS
DE ALICANTE

Reig R., Sanchez-Vives MV.(2007) Synaptic Transmission and Plasticity in an Active Cortical Network. PLoS ONE 2(8):e670-doi10.1371 (F.I.: 0)

Rivera R., Rozas JL., Lerma J.(2007) PKC-dependent autoregulation of membrane kainate receptors. Embo J. 26:4359-4367 (F.I.: 8.662)

Rodrigo R., Erceg S., Rodriguez-Diaz J., Saez-Valero J., Suarez I., Felipo V.(2007) Glutamate-induced activation of nitric oxide synthase is impaired in cerebral cortex in vivo rats with chronic liver failure. J. Neurochem. 102(1):51-64 (F.I.: 4.451)

Sahun I., Gallego X., Gratacos M., Murtra P., Trullas R., Maldonado R., Estivill X., Dierssen M.(2007) Differential responses to anxiogenic drugs in a mouse model of panic disorder as revealed by Fos immunocytochemistry in specific areas of the fear circuitry. Amino Acids 33(4):677-688 (F.I.: 2.78)

Sanchez-Vives MV., Slater M., Moya F.(2007) Representación del esquema corporal e-boletín SENC 1:14-19 (F.I.: 0)

Seamari Y., Narvaez JA., Vico FJ., Lobo D., Sanchez-Vives MV.(2007) Robust Off- and Online Separation of Intracellularly Recorded Up and Down Cortical States. PLoS ONE 2(9):e888-doi10.1371 (F.I.: 0)

Slater M., Frisoli A., Tecchia F., Guger C., Lotto B., Steed A., Pfurtscheller G., Leeb R., Reiner M., Sanchez-Vives MV., Verschure P., Bernardet U.(2007) Understanding and Realizing Presence in the Presencia Project. IEEE Comput. Graph. Appl. 27(4):90-93 (F.I.: 1.398)

Slater M., Sanchez-Vives MV.(2007) Observaciones extraídas de un estudio con realidad virtual utilizando el paradigma de obediencia de stanley Milgram. Rev. Psicología 1:1-4 (F.I.: 0)

Valdes-Sanchez L., Escamez T., Echevarria D., Ballesta JJ., Tabares-Seisdedos R., Reiner O., Martinez S., Geijo-Barrientos E.(2007) Postnatal alterations of the inhibitory synaptic responses recorded from cortical pyramidal neurons in the Lis1/sLis1 mutant mouse. Mol. Cell. Neurosci. 35(2):220-229 (F.I.: 3.994)

Varela D., Simon F., Olivero P., Armisen R., Leiva-Salcedo E., Jorgensen F., Sala F., Stutzin A.(2007) Activation of H2O2-induced VSOR Cl(-)currents in HTC cells require phospholipase C gamma 1 phosphorylation and Ca2+ mobilisation. Cell. Physiol. Biochem. 20(6):773-780 (F.I.: 3.557)

Viosca J., Jancic D., Lopez-Atalaya JP., Benito E.(2007) Hunting for synaptic tagging and capture in memory formation. J. Neurosci. 27(47):12761-12763 (F.I.: 7.49)

Yabut O., Renfro A., Niu S., Swann JW., Marin O., D'Arcangelo G.(2007) Abnormal laminar position and dendrite development of interneurons in the reeler forebrain. Brain Res. 1140:75-83 (F.I.: 2.218)

64

Libros.

Barco A., Jancic D., Kandel ER.(2007) CREB-dependent transcription and synaptic plasticity In " Transcriptional Regulation by Neuronal Activity. ", Ed.: Dudek, Serena (Ed); Springer .Cap 1

Barco A., Lopez de Armentia M.(2007) El Cerebro Plástico. In " Viaje al Universo Neuronal. ", Ed.: FECYT - Fundación Española para la Ciencia y Tecnología. Año Ciencia 2007. Cap 4

Belmonte C.(2007) Eye Pain Receptors; Ocular Pain Receptors; Eye Nociceptors. In " Encyclopedia of Pain. ", Ed.: R.F.Schmidt & W.Willis. Springer-Verlag, Berlin. Cap 2

Belmonte C.(2007) La creación de la Facultad de Medicina y Los inicios de la investigación en la Facultad de Medicina de la Universidad Miguel Hernández de Elche. In " 25º aniversario de la creación de Facultad de Medicina. ", Ed.: Universidad Miguel Hernández, Elche. Cap 2

CORREO ELECTRONICO:

in@umh.es
direccion.in@umh.es

UNIVERSIDAD MIGUEL HERNANDEZ
CAMPUS SANT JOAN D'ALACANT
03550 ALICANTE. ESPAÑA
TEL: +34 965 23 37 00
FAX: +34 965 91 95 61

Publicaciones IN año 2007



INSTITUTO DE NEUROCIENCIAS
DE ALICANTE

Belmonte C.(2007) La obra de Cajal, cien años después. In " Santiago Ramon y Cajal. (MEC) " , Ed.: Ed.Amador Schüler Perez. Instituto de España. MEC. .Cap 1

Belmonte C., Viana F.(2007) Nociceptor Responses. In " New Encyclopedia of Neuroscience. " , Ed.: Ed.Larry R.Squire. Elsevier, Oxford UK. .Cap 1

Belmonte C., Viana F.(2007) Section Editor "Transduction and Encoding of Noxious Stimuli." In " Encyclopedia of Pain. " , Ed.: R.F.Schmidt & W.Willis. Springer-Verlag, Berlin. .Cap 3

Botella-Lopez A., Saez-Valero J.(2007) Alzheimer's and Reelin. In " Reelin Glycoprotein; Structure, Biology and Roles in Health Disease. " , Ed.: Fatemi, S.H. (Ed.) , Springer. .Cap 1

Cremades Alcaraz J., Faura C.(2007) Fitoterapia para las afecciones prostáticas. In " Manual de Fitoterapia " , Ed.: Castillo García, Martínez Solís. eds, ELSEVIER, 2007. .Cap

De la Peña E.(2007) Mechanonociceptors. In " Encyclopedia of Pain. " , Ed.: R.F.Schmidt & W.Willis. Springer-Verlag, Berlin. .Cap 13

Gomis A.(2007) Perireceptor elements. In " Encyclopedia of Pain. " , Ed.: R.F.Schmidt & W.Willis. Springer-Verlag, Berlin. .Cap 1

Kalso E., Allan L., Dellemijn PLI., Faura C., Ilias WK., Jensen TS., Perrot S., Plaghki LH., Zenz M.(2007) Recommendations for using opioids in chronic non-cancer pain. In " Pain. Best Practice & Research Protocols. " , Ed.: Harald Breivik, Michael Shipley. eds, ELSEVIER SCIENCE.2007. .Cap

Martínez S.(2007) La Corteza Cerebral y las funciones mentales superiores. In " Viaje al Universo Neuronal. " , Ed.: FECYT - Fundación Española para la Ciencia y Tecnología. Año Ciencia 2007. .Cap 7

Sanchez-Vives MV., Reig R., Winograd M., Descalzo VF.(2007) An active cortical network in vitro. In " Mechanisms of Spontaneous Active States in the Neocortex. " , Ed.: Igor Timofeev. .Cap *

Viana F., De la Peña E.(2007) Nociceptors, Cold Thermotransduction. In " Encyclopedia of Pain. " , Ed.: R.F.Schmidt & W.Willis. Springer-Verlag, Berlin. .Cap 14

15

CORREO ELECTRONICO:

in@umh.es
direccion.in@umh.es

UNIVERSIDAD MIGUEL HERNANDEZ
CAMPUS SANT JOAN D'ALACANT
03550 ALICANTE. ESPAÑA
TEL: +34 965 23 37 00
FAX: +34 965 91 95 61