

## Ficha de grupo de investigación

### EMBRIOLOGIA DEL SISTEMA NERVIOSO

Código: BIO178

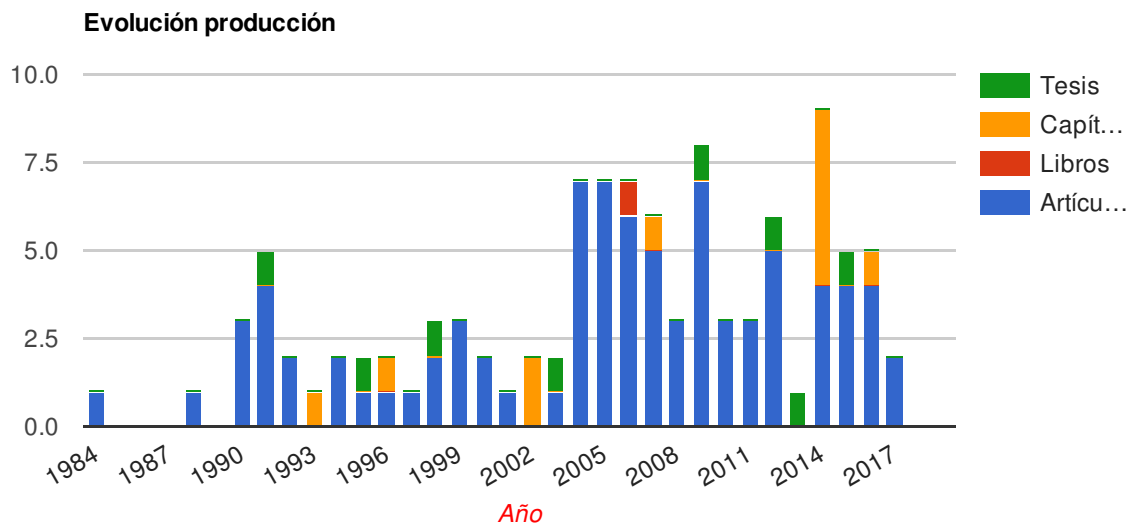
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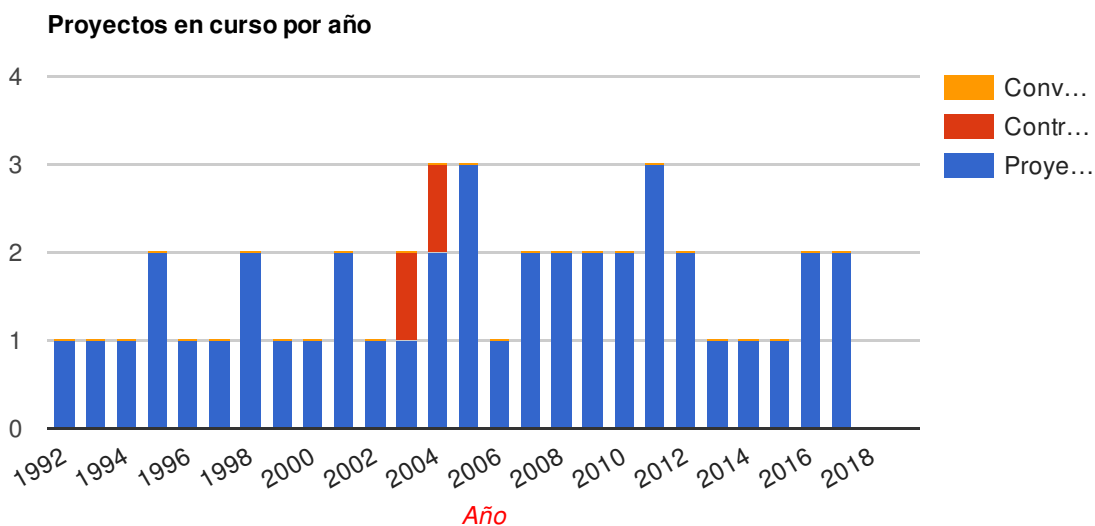
## Producción 248

- Artículos (206)
- Libros (1)
- Capítulos de Libros (22)
- Tesis dirigidas (19)



## Proyectos dirigidos 15

- Proyectos (14)
- Contratos (1)
- Convenios (0)



## Actividades 1

Titulo publicación	Fuente	Tipo	Fecha
Are antioxidant capacity and oxidative damage related to biological and autecological characteristics in aquatic insects?	Journal of limnology	Articulo	2017
Onset of microglial entry into developing quail retina coincides with increased expression of active caspase-3 and is mediated by extracellular atp and udp.	Plos one	Articulo	2017
Características biológicas y morfológicas de los esturiones. la vejiga natatoria.	La ictiocola del esturión	Capítulo de libro	2016
Phospholipids and calmodulin modulate the inhibition of pmca activity by tau.	Biochimica et biophysica acta-molecular cell research	Articulo	2016
Semi-synthesis and antiproliferative evaluation of pegylated pentacyclic triterpenes	European journal of medicinal chemistry	Articulo	2016
The oleanolic acid derivative, 3-o-succinyl-28-o-benzyl oleanolate, induces apoptosis in b16-f10 melanoma cells via the mitochondrial apoptotic pathway		Articulo	2016
The oleanolic acid derivative, 3-o-succinyl-28-obenzy l oleanolate, induces apoptosis in b16f10 melanoma cells via the mitochondrial apoptotic pathway	Rsc advances: an international journal to further the chemical sciences	Articulo	2016
Activación de la microglía inmadura y muerte neuronal durante el desarrollo de la retina de codorniz	Facultad de ciencias, universidad de granada, españa	Tesis doctoral	2015
Dna damage, poly(adp-ribose) polymerase activation, and phosphorylated histone h2ax expression during postnatal retina development in c57bl/6 mouse.	Investigative ophthalmology & visual science	Articulo	2015
Human mesenchymal stem cells enhance the systemic effects of radiotherapy	Oncotarget	Articulo	2015
Inhibition of pmca activity by tau as a function of aging and alzheimer's neuropathology.	Biochimica et biophysica acta. molecular basis of disease	Articulo	2015
Microglial activation promotes cell survival in organotypic cultures of postnatal mouse retinal explants	Plos one	Articulo	2015
Coaching as educational method to enhance university-students' performance	8th international technology, education and development conference (inted 2014)	Capítulo de libro	2014
Expression of inducible nitric oxide synthase (inos) in microglia of the developing quail retina	Plos one	Articulo	2014
Interaction between parp-1 and hif-2 alpha in the hypoxic response.	Oncogene	Articulo	2014
Learning communities at the university: a new teaching approach	8th international technology, education and development conference (inted 2014)	Capítulo de libro	2014
M-learning: a novel methodology for teaching and learning at the university	6th international conference on education and new learning technologies (edulearn 2014)	Capítulo de libro	2014
Microglial cells in organotypic cultures of developing and adult mouse retina and their relationship with cell death	Experimental eye research	Articulo	2014
Novel tools for continuous evaluation in university studies	6th international conference on education and new learning technologies (edulearn 2014)	Capítulo de libro	2014
Ontogenetic cell death and phagocytosis in the visual system of vertebrates	Developmental dynamics	Articulo	2014
Role of microglia in the elimination of neural cells during development	Microglia in health and disease	Capítulo de libro	2014
Muerte celular fisiológica y comportamiento de la microglía en cultivos organotípicos de retina		Tesis doctoral	2013

Calmodulin antagonizes amyloid- $\beta$ peptides-mediated inhibition of brain plasma membrane $ca^{2+}$ -atpase	Biochimica et biophysica acta. molecular basis of disease	Articulo	2012
Characterization of proximal pulmonary arterial cells from chronic thromboembolic pulmonary hypertension patients.	Respiratory research	Articulo	2012
Comportamiento de las células microgliales en cultivos organotípicos de retina en desarrollo		Tesis doctoral	2012
Evaluation of manganese uptake and toxicity in mouse brain during continuous $mncl_2$ administration using osmotic pumps	Contrast media & molecular imaging	Articulo	2012
High levels of $mn^{2+}$ inhibit secretory pathway $ca^{2+}$ / $mn^{2+}$ -atpase (spca) activity and cause golgi fragmentation in neurons and glia.	Journal of neurochemistry	Articulo	2012
Sortilin participates in light-dependent photoreceptor degeneration in vivo	Plos one	Articulo	2012
Migration and ramification of microglia in quail embryo retina organotypic cultures.	Developmental neurobiology	Articulo	2011
Microglia and neuronal cell death	Neuron glia biology	Articulo	2011
Simultaneous cell death and upregulation of poly(adp-ribose) polymerase-1 expression in early postnatal mouse retina	Investigative ophthalmology & visual science	Articulo	2011
Inhibition of poly adenosine diphosphate-ribose polymerase decreases hepatocellular carcinoma growth by modulation of tumor-related gene expression	Hepatology	Articulo	2010
Microglial response to light-induced photoreceptor degeneration in the mouse retina	The journal of comparative neurology	Articulo	2010
The secretory pathway $ca^{2+}$ -atpase 1 is associated with cholesterol-rich microdomains of human colon adenocarcinoma cells.	Biochimica et biophysica acta. biomembranes	Articulo	2010
Altered $ca^{2+}$ -dependence of synaptosomal plasma membrane $ca^{2+}$ -atpase in human brain affected by alzheimer's disease.	The faseb journal	Articulo	2009
Desarrollo de la microglía y respuesta a la fotodegeneración inducida por luz intensa en la retina de ratón	Universidad de granada. biología celular	Tesis doctoral	2009
Ontogeny of atp hydrolysis and isoform expresión of the plasma membrane $ca^{2+}$ -atpase in mouse brain.	Bmc neuroscience	Articulo	2009
Parp-1 is involved in autophagy induced by dna damage	Autophagy	Articulo	2009
Poly[adp-ribose] polymerase-1 expression is related to cold ischemia, acute tubular necrosis, and delayed renal function in kidney transplantation	Plos one	Articulo	2009
Poly[adp-ribose] polymerase-1 expression is directly related to acute tubular necrosis, cold ischemia, and delayed renal function in kidney transplantation	Plos one	Articulo	2009
Silencing the spca1 (secretory pathway $ca^{2+}$ -atpase isoform 1) impairs $ca^{2+}$ homeostasis in the golgi and disturbs neural polarity.	The journal of neuroscience	Articulo	2009
Where is trpv1 expressed in the bladder, do we see the real channel?	Naunyn schmiedebergs archives of pharmacology	Articulo	2009
Activity and localization of the secretory pathway $ca^{2+}$ -atpase isoform 1 (spca1) in different areas of mouse brain during postnatal development.	Molecular and cellular neuroscience	Articulo	2008
Embryonic and postnatal development of microglial cells in the mouse retina	The journal of comparative neurology	Articulo	2008
Quantitative detection of methylated esr1 and 14-3-3- $\gamma$ gene promoters in serum as candidate biomarkers for diagnosis of breast cancer and evaluation of treatment efficacy	Cancer biology & therapy	Articulo	2008
Developmental distribution of plasma membrane $ca^{2+}$ -atpase isoforms in chick cerebellum	Developmental dynamics	Articulo	2007

isoforms in chick cerebellum.			
Early development of the optic nerve in the turtle <i>mauremys leprosa</i>	Brain research	Articulo	2007
Functional and immunocytochemical evidence for the expression and localization of the secretory pathway $ca^{2+}$ -atpase isoform 1 (spca1) in cerebellum relative to other $ca^{2+}$ pumps.	Journal of neurochemistry	Articulo	2007
Interaction between atm and parp-1 in response to dna damage and sensitization of atm deficient cells through parp inhibition	Bmc molecular biology	Articulo	2007
Modulation of transcription by parp-1: consequences in carcinogenesis and inflammation.	Current medicinal chemistry	Articulo	2007
Sistema de evaluación continua, compartida y progresiva para el eees	Evaluación de los procesos de enseñanza-aprendizaje en la universidad y su adaptación al espacio europeo de educación superior	Capítulo de libro	2007
Análisis de la localización y función de bombas de calcio y de sus isoformas en cerebelo adulto y en desarrollo.	Servicio de publicación de la universidad de extremadura	Libros	2006
Behavior of in vitro cultured ameboid microglial cells migrating on muller cell end-feet in the quail embryo retina.	Glia	Articulo	2006
Developmental changes in the fibre population of the optic nerve follow an avian mammalian-like pattern in the turtle <i>mauremys leprosa</i>	Brain research	Articulo	2006
Inhibition of poly(adp-ribose) polymerase modulates tumor-related gene expression, including hypoxia-inducible factor-1 activation, during skin carcinogenesis	Cancer research	Articulo	2006
La sobreexpresión de poli (adp-ribosa) polimerasa se correlaciona con el desarrollo de necrosis tubular aguda y con la función precoz del trasplante renal	Patología	Articulo	2006
Specific immunolabeling of brain macrophages and microglial cells in the developing and mature chick central nervous system	Journal of histochemistry and cytochemistry	Articulo	2006
The plasma membrane $ca^{2+}$ -atpase isoform 4 is localized in lipid rafts of cerebellum synaptic plasma membranes.	Journal of biological chemistry	Articulo	2006
A developmental profile of the levels of calcium pumps in chick cerebellum.	Journal of neurochemistry	Articulo	2005
Activation of immature microglia in response to stab wound in embryonic quail retina	The journal of comparative neurology	Articulo	2005
Early and late skin reactions to radiotherapy for breast cancer and their correlation with radiation-induced dna damage in lymphocytes.	Breast cancer research	Articulo	2005
Parp inhibition sensitizes p53-deficient breast cancer cells to doxorubicin-induced apoptosis	Biochemical journal	Articulo	2005
Parp-1-dependent 3-nitrotyrosine protein modification after dna damage	Journal of cellular biochemistry	Articulo	2005
Role of poly (adp-ribose) polymerase in kidney transplant and its relationship with delayed renal function. multivariate analysis.	Transplantation proceedings	Articulo	2005
Role of poly-(adp-ribose) polymerase in transplant acute tubular necrosis and its relationship with delayed renal function	Transplantation proceedings	Articulo	2005
Correlation of morphological findings with functional reserve in the aging donor: role of the poly (adp-ribose) polymerase	Transplantation proceedings	Articulo	2004
Crosstalk between parp-1 and nf-kappa b modulates the promotion of skin neoplasia	Oncogene	Articulo	2004

Ca <sup>2+</sup> transport by the synaptosomal plasma membrane ca <sup>2+</sup> -atpase and the effect of thioridazine.	Biochemistry	Articulo	2004
Localization of endoplasmic reticulum and plasma membrane ca <sup>2+</sup> -atpases in subcellular fractions and sections of pig cerebellum.	European journal of neuroscience	Articulo	2004
Microglia promote the death of developing purkinje cells	Neuron	Articulo	2004
Radial migration of developing microglial cells in quail retina: a confocal microscopy study	Glia	Articulo	2004
The interaction of ethanol with reconstituted synaptosomal plasma membrane ca <sup>2+</sup> -atpase.	Biochimica et biophysica acta	Articulo	2004
Effect of spermine on the activity of synaptosomal plasma membrane ca <sup>2+</sup> -atpase reconstituted in neutral or acidic phospholipids.	Biochimica et biophysica acta	Articulo	2003
Migración de la microglía y respuesta frente a lesiones traumáticas en la retina embrionaria de codorniz	Universidad de granada. biología celular	Tesis doctoral	2003
Isolation and functional properties of calcium pumps in brain.	Recent research developments in biophysics and biochemistry.	Capítulo de libro	2002
Roles of microglia in the developing visual system	Microglia in the regenerating and degenerating central nervous system	Capítulo de libro	2002
Distribution of the intracellular ca <sup>2+</sup> -atpase isoform 2b in pig brain subcellular fractions and cross-reaction with a monoclonal antibody raised against the enzyme isoform 1	Journal of biochemistry	Articulo	2001
Entry, dispersion and differentiation of microglia in the developing central nervous system	Anais da academia brasileira de ciências	Articulo	2000
Response of macrophage/microglial cells to experimental neuronal degeneration in the avian isthmo-optic nucleus during development	The journal of comparative neurology	Articulo	2000
Circumferential migration of ameboid microglia in the margin of the developing quail retina	Glia	Articulo	1999
Naturally occurring cell death and migration of microglial precursors in the quail retina during normal development	The journal of comparative neurology	Articulo	1999
Proliferation of actively migrating ameboid microglia in the developing quail retina	Anatomy and embryology	Articulo	1999
Muerte celular y migración de precursores microgliales durante el desarrollo de la retina de codorniz	Universidad de granada. facultad de ciencias	Tesis doctoral	1998
Tangential migration of ameboid microglia in the developing quail retina: mechanism of migration and migratory behavior	Glia	Articulo	1998
The origin and differentiation of microglial cells during development	Progress in neurobiology	Articulo	1998
Microglia development in the quail cerebellum	The journal of comparative neurology	Articulo	1997
Development of microglia: evidence from studies in the avian central nervous system	Topical issues in microglial research	Capítulo de libro	1996
Macrophages during avian optic nerve development: relationship to cell death and differentiation into microglia	Anatomy and embryology	Articulo	1996
Migraciones de macrofagos y diferenciación de la microglia durante el desarrollo de la retina y nervio óptico de aves	Universidad de granada. biología celular	Tesis doctoral	1995
Origin of microglia in the quail retina - central-to-peripheral and vitreal-to-scleral migration of microglial precursors during development	The journal of comparative neurology	Articulo	1995
Development of microglia in the quail optic tectum	The journal of comparative neurology	Articulo	1994

Microglia in the avian retina - immunocytochemical demonstration in the adult quail	The journal of comparative neurology	Articulo	1994
Macrófagos en el desarrollo del sistema nervioso de aves	Progresos en biología celular	Capítulo de libro	1993
Demonstration of a phagocytic cell system belonging to the hemopoietic lineage and originating from the yolk sac in the early avian embryo	Development	Articulo	1992
Microglia in the mature and developing quail brain as revealed by a monoclonal-antibody recognizing hematopoietic-cells	Neuroscience letters	Articulo	1992
Desarrollo retiniano y distribución celular tras la administración de colchicina a embriones de Gallus domesticus en los estadios iniciales	Universidad de Granada. biología celular	Tesis doctoral	1991
Haemopoietic phagocytes in early differentiating avian retina	Journal of anatomy	Articulo	1991
Macrophage-like cells invading the suboptic necrotic centres of avian embryo diencephalon originate from hemopoietic precursors	Journal of neurocytology	Articulo	1991
Macrophages of hemangioblastic lineage invade the lens vesicle-ectoderm interspace during closure and detachment of the avian embryonic lens	Cell and tissue research	Articulo	1991
Morphological changes and transversal growth kinetics along the apical meristem in the pericycle cell types of the onion adventitious root	Protoplasma	Articulo	1991
Glial cells in the optic chiasm arise from the suboptic necrotic centers of the diencephalon floor: morphological evidence in the chick embryo	Neuroscience letters	Articulo	1990
Macrophage-like cells in the presumptive optic pathways in the floor of the diencephalon of the chick embryo	Journal of neurocytology	Articulo	1990
Shaping, invagination and closure of the chick embryo otic vesicle: scanning electron microscopic and quantitative study	The anatomical record part a: discoveries in molecular, cellular, and evolutionary biology	Articulo	1990
Spatial and temporal correlation between early nerve fiber growth and neuroepithelial cell death in the chick embryo retina	Anatomy and embryology	Articulo	1988
Analysis of the distribution of neuronal cytomorphometric parameters in the dorsal lateral geniculate nucleus of the rat   [ana&#769;lisis de la distribucio&#769;n de para&#769;metros citomorfome&#769;tricos neuronales en el nu&#769;	Instituto Cajal de investigaciones biológicas. trabajos	Articulo	1984

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Determinación de la influencia de un ambiente pro-inflamatorio o anti-inflamatorio sobre la activación microglial y la muerte de fotorreceptores en ratones sometidos a fotodegeneración por luz intensa.	Proyecto	6/1/16	12/31/17
2	Modulación por ca <sup>2+</sup> de la activación de la microglía en la enfermedad de alzheimer.	Proyecto	6/1/16	12/31/17
3	Papel de la enzima poli-adp-ribosa-polimerasa-1 en la muerte celular inducida por el estrés oxidativo	Proyecto	6/1/15	12/31/15
4	Señalización por calcio y microglía en la enfermedad de alzheimer	Proyecto	6/28/14	12/31/14
5	Biología de las células microgliales en la retina: origen y mecanismos de migración	Proyecto	6/1/11	12/31/13
6	Determinación del papel de la microglía en la muerte de fotorreceptores durante procesos degenerativos de la retina	Proyecto	6/1/08	1/31/12
7	Muerte celular programada durante el desarrollo de la retina de ratón	Proyecto	6/22/11	12/31/11
8	Migración y activación de la microglia inmadura durante el desarrollo de la retina de vertebrados	Proyecto	6/1/07	10/4/10
9	Migración de células microgliales durante el desarrollo del sistema nervioso: uso de cultivos organotípicos de retina embrionaria de codorniz como sistema modelo	Proyecto	6/13/04	12/13/07
10	Migración y diferenciación de la microglia en la retina de aves y mamíferos: estudio experimental y comparado	Proyecto	6/28/01	6/27/05
11	Microscopio de barrido láser confocal multispectral	Proyecto	6/25/05	5/26/05
12	Role of microglia in retinal ganglion cell death	Contrato	6/15/03	1/14/04
13	Estudios in vitro, in vivo y experimentales sobre mecanismos de desarrollo de la microglia de aves	Proyecto	6/1/98	7/1/01
14	Origen de la microglia: vías de entrada de precursores microgliales y mecanismos de invasión en el sistema nervioso de codorniz.	Proyecto	6/1/95	7/1/98
15	Mecanismos de desarrollo en el sistema visual de aves: estudios en quimeras de embriones de pollo y codorniz	Proyecto	6/15/92	6/15/95

## Actividades 1

<b>Título actividad</b>	<b>Entidad</b>	<b>Tipo</b>	<b>Fecha</b>
Participación en: sociedad española de neurociencia ()		Comité científico en sociedad ci	Jul 13, 2003

## Colaboradores 64

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- **JOSE LUIS MARIN TEVA** (122)
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- **MARIA DEL CARMEN CARRASCO SIERRA** (75)
- **ANA SIERRA MARTÍN** (66)
- **ROSA MARÍA FERRER MARTÍN** (62)
- **ANA MARÍA SANTOS CARRO** (42)
- **María Martín Estebané** (40)
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- **ANTONIO MANUEL ALMENDROS GALLEGO** (30)
- **Sandra María Martín Guerrero** (24)
- **FRANCISCO JAVIER OLIVER POZO** (14)
- **FERNANDO JESUS REYES ZURITA** (11)



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- ANDRES PARRA SANCHEZ (3)
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- ENCARNACION LETICIA GARCIA SALGUERO (2)
- FRANCISCO DE ASIS RIVAS SANCHEZ (2)
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- MARIANO AGUILAR PEÑA (2)
- MERCEDES VILLALOBOS TORRES (2)
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- ANGEL MANUEL GÓMEZ GARCÍA (1)
- ANTONIO OSUNA CARRILLO DE ALBORNOZ (1)
- ANTONIO OSUNA ORTEGA (1)
- ARIANNYS GONZALEZ FLORES (1)
- BLANCA TORRES TORRES (1)
- Beatriz Irene Fernández Gil (1)
- DAMIÁN GUIRADO LLORENTE (1)
- DAVID AGUILAR PEÑA (1)
- JOSÉ MANUEL TIerno DE FIGUEROA (1)
- JUAN JOSÉ RAMOS MUÑOZ (1)
- LAURA MARÍA LÓPEZ JIMÉNEZ (1)
- LAURA SANJUAN NÚÑEZ (1)
- M. ESCARLATA LOPEZ RAMIREZ (1)
- MANUEL JESÚS LÓPEZ RODRÍGUEZ (1)
- MARIA DEL CARMEN RUIZ RUIZ (1)
- MARÍA ISABEL RODRÍGUEZ LARA (1)
- PALOMA MUÑOZ DE RUEDA (1)
- PEDRO HERNÁNDEZ CORTÉS (1)
- PEDRO PABLO MEDINA VICO (1)
- RAMON CARMONA MARTOS (1)

- VIRGÍNEA DE ARAUJO FARIAS (1)