

## 2012

Madrid E, Reyes JG, Hernández B, García JM, San Martín S, Olivero P, Crespo PV, Párraga M. Effect of normobaric hypoxia on the testis in a murine model.

[Andrologia. 2012 Sep 11. doi: 10.1111/and.12019. \[Epub ahead of print\]](#)

Arias-Santiago S, Aneiros-Fernández J, Cutando A, Buendía-Eisman A, Naranjo-Sintes R, Campos A, Alaminos-Mingorance M.

A nodule on a woman's face.

[Cleve Clin J Med. 2012 Apr;79\(4\):282-4. doi: 10.3949/ccjm.79a.10115. No abstract available.](#)

Arias-Santiago S, Aneiros-Fernández J, Arias-Santiago B, Girón-Prieto MS, Caba-Molina M, López-Valverde A, Aneiros-Cachaza J, Campos A, Cutando A.

MTNR1A Receptor Expression in Normal and Pathological Human Salivary Glands.

[Anticancer Res. 2012 Nov;32\(11\):4765-71.](#)

Aneiros-Fernández J, Husein-ElAhmed H, Arias-Santiago S, Campos A, Carriel V, Sánchez-Montesinos I, Garcia del Moral R, Sánchez G, O'Valle F, Aneiros J.

Expression of smoothelin and smooth muscle actin in the skin.

[Histol Histopathol. 2011 Jun;26\(6\):673-8.](#)

Berdasco M, Melguizo C, Prados J, Gómez A, Alaminos M, Pujana MA, Lopez M, Setien F, Ortiz R, Zafra I, Aranega A, Esteller M.

DNA methylation plasticity of human adipose-derived stem cells in lineage commitment.

[Am J Pathol. 2012 Dec;181\(6\):2079-93. doi: 10.1016/j.ajpath.2012.08.016. Epub 2012 Sep 29.](#)

Julca I, Alaminos M, González-López J, Manzanera M.

Xeroprotectants for the stabilization of biomaterials.

[Biotechnol Adv. 2012 Nov;30\(6\):1641-54. doi: 10.1016/j.biotechadv.2012.07.002. Epub 2012 Jul 17.](#)

Arias-Santiago S, Aneiros-Fernández J, Carriel V, Orgaz-Molina J, González-Andrades M, Buendía-Eisman A, Alaminos M.

A skin lesion after cardiac catheterization.

[Cleve Clin J Med. 2012 Jun;79\(6\):424-6. doi: 10.3949/ccjm.79a.10108. No abstract available.](#)

Garrido JM, Esteban M, Roda O, Alaminos M, Sánchez-Montesinos I.

Lysophosphatidic acid pretreatment prevents micromolar atorvastatin-induced endothelial cell death and ensures the beneficial effects of high-concentration statin therapy on endothelial gene expression.

[Ann Vasc Surg. 2012 May;26\(4\):549-58. doi: 10.1016/j.avsg.2012.01.005.](#)

Duque E, de la Torre J, Bernal P, Molina-Henares MA, Alaminos M, Espinosa-Urgel M, Roca A, Fernández M, de Bentzmann S, Ramos JL.

Identification of reciprocal adhesion genes in pathogenic and non-pathogenic *Pseudomonas*.

[Environ Microbiol. 2012 Mar 28. doi: 10.1111/j.1462-2920.2012.02732.x. \[Epub ahead of print\]](#)

Garzón I, Pérez-Köhler B, Garrido-Gómez J, Carriel V, Nieto-Aguilar R, Martín-Piedra MA, García-Honduvilla N, Buján J, Campos A, Alaminos M.

Evaluation of the cell viability of human Wharton's jelly stem cells for use in cell therapy.

[Tissue Eng Part C Methods. 2012 Jun;18\(6\):408-19. doi: 10.1089/ten.TEC.2011.0508. Epub 2012 Jan 26.](#)

Carriel V, Garzón I, Jiménez JM, Oliveira AC, Arias-Santiago S, Campos A, Sánchez-Quevedo MC, Alaminos M.

Epithelial and stromal developmental patterns in a novel substitute of the human skin generated with fibrin-agarose biomaterials.

[Cells Tissues Organs. 2012;196\(1\):1-12. doi: 10.1159/000330682. Epub 2011 Nov 25.](#)

## 2011

Ionescu AM, Alaminos M, de la Cruz Cardona J, de Dios García-López Durán J, González-Andrades M, Ghinea R, Campos A, Hita E, del Mar Pérez M. Investigating a novel nanostructured fibrin-agarose biomaterial for human cornea tissue engineering: rheological properties.

[J Mech Behav Biomed Mater. 2011 Nov;4\(8\):1963-73. doi: 10.1016/j.jmbbm.2011.06.013. Epub 2011 Jun 30.](#)

Martin SS, Alaminos M, Zorn TM, Sánchez-Ñuevedo MC, Garzón I, Rodríguez IA, Campos A. The effects of fibrin and fibrin-agarose on the extracellular matrix profile of bioengineered oral mucosa.

[J Tissue Eng Regen Med. 2011 Nov 3. doi: 10.1002/term.490. \[Epub ahead of print\]](#)

Carriel V, Garzón I, Alaminos M, Campos A.

Evaluation of myelin sheath and collagen reorganization pattern in a model of peripheral nerve regeneration using an integrated histochemical approach.

[Histochem Cell Biol. 2011 Dec;136\(6\):709-17. doi: 10.1007/s00418-011-0874-3. Epub 2011 Oct 29.](#)

Cardona Jde L, Ionescu AM, Gómez-Sotomayor R, González-Andrades M, Campos A, Alaminos M, Pérez Mdel M.

Transparency in a fibrin and fibrin-agarose corneal stroma substitute generated by tissue engineering.

[Cornea. 2011 Dec;30\(12\):1428-35. doi: 10.1097/ICO.0b013e31821bdfd4.](#)

Rodríguez IA, López-López MT, Oliveira AC, Sánchez-Quevedo MC, Campos A, Alaminos M, Durán JD.

Rheological characterization of human fibrin and fibrin-agarose oral mucosa substitutes generated by tissue engineering.

[J Tissue Eng Regen Med. 2012 Aug;6\(8\):636-44. doi: 10.1002/term.466. Epub 2011 Sep 14.](#)

Roda O, Garzón I, Carriel V, Alaminos M, Sánchez-Montesinos I.

Biological effects of low-frequency pulsed magnetic fields on the embryonic central nervous

system development. A histological and histochemical study.

[Histol Histopathol. 2011 Jul;26\(7\):873-81.](#)

Rodriguez IA, Lopez-Gonzalez G, Rodríguez MA, Campos-Sanchez F, Alaminos M. Biological evaluation of 2-hydroxyethylmethacrylate (HEMA) toxicity in human gingival fibroblasts with histochemical X-ray microanalysis.

[J Adhes Dent. 2011 Aug;13\(4\):375-81. doi: 10.3290/j.jad.a20141 .](#)

Carriel VS, Aneiros-Fernandez J, Arias-Santiago S, Garzón IJ, Alaminos M, Campos A. A novel histochemical method for a simultaneous staining of melanin and collagen fibers.

[J Histochem Cytochem. 2011 Mar;59\(3\):270-7. doi: 10.1369/0022155410398001. Epub 2011 Jan 12.](#)

Marañés Gálvez C, Licerias Licerias E, Alaminos M, Fernández Valadés R, Ruiz Montes AM, Garzón I, Sánchez-Quevedo MC, Campos A.

[Generation of a substitute for human oral mucosa and verification of its viability by tissue-engineering].

[Cir Pediatr. 2011 Jan;24\(1\):13-8. Spanish.](#)

Gonzalez-Andrades M, Cardona JD, Ionescu AM, Campos A, Perez MD, Alaminos M. Generation of Bioengineered Corneas with Decellularized Xenografts and Human Keratocytes.

[Invest Ophthalmol Vis Sci. 2011 Jan 5;52\(1\):215-22. doi: 10.1167/iovs.09-4773. Print 2011 Jan.](#)

## **2010**

Ionescu AM, de la Cruz Cardona J, González-Andrades M, Alaminos M, Campos A, Hita E, del Mar Pérez M.

UV absorbance of a bioengineered corneal stroma substitute in the 240-400 nm range.

[Cornea. 2010 Aug;29\(8\):895-8.](#)

Toledano M, Nieto-Aguilar R, Osorio R, Campos A, Osorio E, Tay FR, Alaminos M.  
Differential expression of matrix metalloproteinase-2 in human coronal and radicular sound and carious dentine.

[J Dent. 2010 Aug;38\(8\):635-40.](#)

Nieto-Aguilar R, Serrato D, Garzon I, Campos A, Alaminos M.  
Pluripotential Differentiation Capability of Human Adipose-derived Stem Cells in a Novel Fibrin-agarose Scaffold.

[J Biomater Appl. 2010 Mar 17. \[Epub ahead of print\]](#)

Alaminos M, Pérez-Köhler B, Garzón I, García-Honduvilla N, Romero B, Campos A, Buján J.  
Transdifferentiation potentiality of human Wharton's jelly stem cells towards vascular endothelial cells.

[J Cell Physiol. 2010 Jun;223\(3\):640-7](#)

## **2009**

Berdasco M, Ropero S, Setien F, Fraga MF, Lapunzina P, Losson R, Alaminos M, Cheung NK, Rahman N, Esteller M.

Epigenetic inactivation of the Sotos overgrowth syndrome gene histone methyltransferase NSD1 in human neuroblastoma and glioma.

[Proc Natl Acad Sci U S A. 2009 Dec 22;106\(51\):21830-5.](#) Epub 2009 Dec 14.

Garzon I, Serrato D, Roda O, Del Carmen Sanchez-Quevedo M, Gonzales-Jaranay M, Moreu G, Nieto-Aguilar R, Alaminos M, Campos A.

In vitro cytokeratin expression profiling of human oral mucosa substitutes developed by tissue engineering.

[Int J Artif Organs. 2009 Oct;32\(10\):711-9.](#)

Serrato D, Nieto-Aguilar R, Garzón I, Roda O, Campos A, Alaminos M.  
Comparison of the effect of cryopreservation protocols on the histology of bioengineered tissues.

[Histol Histopathol. 2009 Dec;24\(12\):1531-40.](#)

Martinez R, Martin-Subero JI, Rohde V, Kirsch M, Alaminos M, Fernandez AF, Ropero S, Schackert G, Esteller M.

A microarray-based DNA methylation study of glioblastoma multiforme.

[Epigenetics. 2009 May;4\(4\):255-64](#) . Epub 2009 May 29.

Carreras FJ, Porcel D, Alaminos M, Garzón I.

Cell-Cell Adhesion in the Prelaminar Region of the Optic Nerve Head: A Possible Target for Ionic Stress.

[Ophthalmic Res. 2009 Jun 23;42\(2\):106-111.](#) [Epub ahead of print]

Garzón I, Sánchez-Quevedo MC, Moreu G, González-Jaranay M, González-Andrades M, Montalvo A, Campos A, Alaminos M.

In vitro and in vivo cytokeratin patterns of expression in bioengineered human periodontal mucosa.

[J Periodontal Res. 2009 Mar 7.](#) [Epub ahead of print]

González-Andrades M, Garzón I, Gascón MI, Muñoz-Ávila JI, Sánchez-Quevedo MC, Campos A, Alaminos M.

Sequential development of intercellular junctions in bioengineered human corneas.

[J Tissue Eng Regen Med. 2009 May 5.](#) [Epub ahead of print]

López de Silanes I, Gorospe M, Taniguchi H, Abdelmohsen K, Srikantan S, Alaminos M, Berdasco M, Urdinguio RG, Fraga MF, Jacinto FV, Esteller M.

The RNA-binding protein HuR regulates DNA methylation through stabilization of DNMT3b mRNA.

[Nucleic Acids Res. 2009 May;37\(8\):2658-71.](#) Epub 2009 Mar 6.

Lavarino C, Cheung NK, Garcia I, Domenech G, de Torres C, Alaminos M, Rios J, Gerald WL, Kushner B, LaQuaglia M, Mora J.

Specific gene expression profiles and chromosomal abnormalities are associated with infant disseminated neuroblastoma.

[BMC Cancer. 2009 Feb 3;9:44.](#)

## 2008

Urduinguio RG, Lopez-Serra L, Lopez-Nieva P, Alaminos M, Diaz-Uriarte R, Fernandez AF, Esteller M.

Mecp2-null mice provide new neuronal targets for Rett syndrome.

[PLoS One. 2008;3\(11\):e3669.](#) Epub 2008 Nov 7.

Berdasco M, Alcázar R, García-Ortiz MV, Ballestar E, Fernández AF, Roldán-Arjona T, Tiburcio AF, Altabella T, Buisine N, Quesneville H, Baudry A, Lepiniec L, Alaminos M, Rodríguez R, Lloyd A, Colot V, Bender J, Canal MJ, Esteller M, Fraga MF.

Promoter DNA hypermethylation and gene repression in undifferentiated Arabidopsis cells.

[PLoS One. 2008 Oct 1;3\(10\):e3306.](#)

Fernandez-Segura E, Warley A.

Electron probe X-ray microanalysis for the study of cell physiology.

[Methods Cell Biol. 2008;88:19-43.](#) Review.

Calvanese V, Horrillo A, Hmadcha A, Suarez-Alvarez B, Fernandez AF, Lara E, Casado S, Menendez P, Bueno C, Garcia-Castro J, Rubio R, Lapunzina P, Alaminos M, Borghese L, Terstegge S, Harrison NJ, Moore HD, Brüstle O, Lopez-Larrea C, Andrews PW, Soria B, Esteller M, Fraga MF.

Cancer genes hypermethylated in human embryonic stem cells.

[PLoS One. 2008 Sep 29;3\(9\):e3294.](#)

Sánchez A, Setién F, Martínez N, Oliva JL, Herranz M, Fraga MF, Alaminos M, Esteller M, Rojas JM.

Epigenetic inactivation of the ERK inhibitor Spry2 in B-cell diffuse lymphomas.

[Oncogene. 2008 Aug 21; 27 \( 36 \): 4969-72 .](#)

Ropero S, Ballestar E, Alaminos M, Arango D, Schwartz S Jr, Esteller M.

Transforming pathways unleashed by a HDAC2 mutation in human cancer.

[Oncogene. 2008 Jun 26;27\(28\):4008-12.](#)

Lopez-Serra L, Ballestar E, Ropero S, Setien F, Billard LM, Fraga MF, Lopez-Nieva P, Alaminos M, Guerrero D, Dante R, Esteller M.

Unmasking of epigenetically silenced candidate tumor suppressor genes by removal of methyl-CpG-binding domain proteins.

[Oncogene. 2008 Jun 5;27\(25\):3556-66.](#)

Rodriguez-Morata A, Garzon I, Alaminos M, Garcia-Honduvilla N, Sanchez-Quevedo MC, Bujan J, Campos A.

Cell viability and prostacyclin release in cultured human umbilical vein endothelial cells.

[Ann Vasc Surg. 2008 May-Jun;22\(3\):440-8.](#)

Alaminos M, González-Andrades M, Muñoz-Avila JI, Garzón I, Sánchez-Quevedo MC, Campos A.

Volumetric and ionic regulation during the in vitro development of a corneal endothelial barrier.

[Exp Eye Res. 2008 May;86\(5\):758-69.](#)

De La Vega Elena CD, Nogués N, Fernández Montoya A, Chialina S, Blanzaco PD, Theiller E, Raillon MA, Arancegui N, Solis E, Oyonarte S, Crespo Ferrer V, Campos Muñoz A, Muñiz-Díaz E.

Human platelet-specific antigens frequencies in the Argentinean population.

[Transfus Med. 2008 Apr;18\(2\):83-90.](#)

Rodriguez IA, Fernandez-Segura E, Ceballos G, Arrebola F, Sanchez-Quevedo MD, Campos A  
Hybrid cell death induced by exposure to 2-hydroxyethyl methacrylate (HEMA): An ultrastructural and X-ray microanalytical study

[Journal of Adhesive Dentistry. 2008 Feb;10\(2\):105-111](#)

## 2007

Rojas-Sánchez F, Alaminos M, Campos A, Rivera H, Sánchez-Quevedo MC.

Dentin in severe fluorosis: a quantitative histochemical study.

[J Dent Res. 2007 Sep;86\(9\):857-61.](#)

Alaminos M, Garzón I, Sánchez-Quevedo MC, Moreu G, González-Andrades M, Fernández-Montoya A, Campos A.

Time-course study of histological and genetic patterns of differentiation in human engineered oral mucosa.

[J Tissue Eng Regen Med. 2007 Sep-Oct;1\(5\):350-9.](#)

Caballero R, Setien F, Lopez-Serra L, Boix-Chornet M, Fraga MF, Ropero S, Megias D, Alaminos M, Sanchez-Tapia EM, Montoya MC, Esteller M, Gonzalez-Sarmiento R, Ballestar E. Combinatorial effects of splice variants modulate function of Aiolos.

[J Cell Sci. 2007 Aug 1;120\(Pt 15\):2619-30.](#)

Sanchez-Quevedo MC, Alaminos M, Capitan LM, Moreu G, Garzon I, Crespo PV, Campos A. Histological and histochemical evaluation of human oral mucosa constructs developed by tissue engineering.

[Histol Histopathol. 2007 Jun;22\(6\):631-40.](#)

Alaminos M, Sanchez-Quevedo MC, Muñoz-Avila JI, García JM, Crespo PV, González-Andrades M, Campos A.

Evaluation of the viability of cultured corneal endothelial cells by quantitative electron probe X-ray microanalysis.

[J Cell Physiol. 2007 Jun;211\(3\):692-8.](#)

Mora J, Lavarino C, Alaminos M, Cheung NK, Ríos J, de Torres C, Illei P, Juan G, Gerald WL. Comprehensive analysis of tumoral DNA content reveals clonal ploidy heterogeneity as a marker with prognostic significance in locoregional neuroblastoma.

[Genes Chromosomes Cancer. 2007 Apr;46\(4\):385-96.](#)

González-Jaranay M, Sánchez-Quevedo MC, Moreu G, García JM, Campos A. Electron Microprobe Analysis in Guided Tissue Regeneration: A Case Report

[Eur J Dent. 2007 Feb; 1 \(1\): 40-44.](#)

## 2006

Lopez-Serra L, Ballestar E, Fraga MF, Alaminos M, Setien F, Esteller M.

A profile of methyl-CpG binding domain protein occupancy of hypermethylated promoter CpG islands of tumor suppressor genes in human cancer.

[Cancer Res. 2006 Sep 1;66\(17\):8342-6.](#)

Campos Muñoz A.

[Legacy of Cajal to the Spanish culture]

[An R Acad Nac Med \(Madr\). 2006;123\(2\):287-91](#) . Spanish. No abstract available.

Alaminos M, Del Carmen Sánchez-Quevedo M, Muñoz-Avila JI, Serrano D, Medialdea S, Carreras I, Campos A.

Construction of a complete rabbit cornea substitute using a fibrin-agarose scaffold.

[Invest Ophthalmol Vis Sci. 2006 Aug;47\(8\):3311-7.](#)

Ropero S, Fraga MF, Ballestar E, Hamelin R, Yamamoto H, Boix-Chornet M, Caballero R, Alaminos M, Setien F, Paz MF, Herranz M, Palacios J, Arango D, Orntoft TF, Aaltonen LA, Schwartz S Jr, Esteller M.

A truncating mutation of HDAC2 in human cancers confers resistance to histone deacetylase inhibition.

[Nat Genet. 2006 May;38\(5\):566-9 .](#)

Arrebola F, Fernández-Segura E, Campos A, Crespo PV, Skepper JN, Warley A.

Changes in intracellular electrolyte concentrations during apoptosis induced by UV irradiation of human myeloblastic cells.

[Am J Physiol Cell Physiol. 2006 Feb;290\(2\):C638-49 .](#)

Bentolila R, Rivera H, Sanchez-Quevedo MC.

Incontinentia pigmenti: a case report.

[Pediatr Dent. 2006 Jan-Feb;28\(1\):54-7 .](#)

Sánchez-Quevedo C, Ceballos G, Rodríguez IA, García JM, Alaminos M.

Acid-etching effects in hypomineralized amelogenesis imperfecta. A microscopic and microanalytical study.

[Med Oral Patol Oral Cir Bucal. 2006 Jan 1;11\(1\):E40-3 .](#)

## **2005**

Arrebola F, Cañizares J, Cubero MA, Crespo PV, Warley A, Fernández-Segura E.

Biphasic behavior of changes in elemental composition during staurosporine-induced apoptosis.

[Apoptosis. 2005 Dec;10\(6\):1317-31 .](#)

Alaminos M, Gerald WL, Cheung NK.

Prognostic value of MYCN and ID2 overexpression in neuroblastoma.

[Pediatr Blood Cancer. 2005 Dec;45\(7\):909-15 .](#)

Arrebola F, Zabiti S, Cañizares FJ, Cubero MA, Crespo PV, Fernández-Segura E.  
Changes in intracellular sodium, chlorine, and potassium concentrations in staurosporine-induced apoptosis.

[J Cell Physiol. 2005 Aug;204\(2\):500-7 .](#)

Campos Muñoz A.

[Artificial cornea, cell culture and tissue engineering]

[An R Acad Nac Med \(Madr\). 2005;122\(4\):619-26 ; discussion 626-8. Spanish.](#)

Alaminos M, Dávalos V, Ropero S, Setién F, Paz MF, Herranz M, Fraga MF, Mora J, Cheung NK, Gerald WL, Esteller M.

EMP3, a myelin-related gene located in the critical 19q13.3 region, is epigenetically silenced and exhibits features of a candidate tumor suppressor in glioma and neuroblastoma.

[Cancer Res. 2005 Apr 1;65\(7\):2565-71 .](#)

Ballestar E, Ropero S, Alaminos M, Armstrong J, Setien F, Agrelo R, Fraga MF, Herranz M, Avila S, Pineda M, Monros E, Esteller M.

The impact of MECP2 mutations in the expression patterns of Rett syndrome patients.

[Hum Genet. 2005 Jan;116\(1-2\):91-104 .](#)

## **2004**

Su WT, Alaminos M, Mora J, Cheung NK, La Quaglia MP, Gerald WL.

Positional gene expression analysis identifies 12q overexpression and amplification in a subset of neuroblastomas.

[Cancer Genet Cytogenet. 2004 Oct 15;154\(2\):131-7 .](#)

Mora J, Alaminos M, de Torres C, Illei P, Qin J, Cheung NK, Gerald WL.

Comprehensive analysis of the 9p21 region in neuroblastoma suggests a role for genes mapping to 9p21-23 in the biology of favourable stage 4 tumours.

[Br J Cancer. 2004 Sep 13;91\(6\):1112-8 .](#)

Alaminos M, Davalos V, Cheung NK, Gerald WL, Esteller M.

Clustering of gene hypermethylation associated with clinical risk groups in neuroblastoma.

[J Natl Cancer Inst. 2004 Aug 18;96\(16\):1208-19](#) .

Hernando E, Nahlé Z, Juan G, Diaz-Rodriguez E, Alaminos M, Hemann M, Michel L, Mittal V, Gerald W, Benezra R, Lowe SW, Cordon-Cardo C.

Rb inactivation promotes genomic instability by uncoupling cell cycle progression from mitotic control.

[Nature. 2004 Aug 12;430\(7001\):797-802](#) .

Campos Muñoz A.

[Mitochondrial apoptosis]

[An R Acad Nac Med \(Madr\). 2004;121\(4\):627-36](#) ; discussion 637. Spanish.

Vilches J, Salido M, Fernández-Segura E, Roomans GM.

Neuropeptides, apoptosis and ion changes in prostate cancer. Methods of study and recent developments.

[Histol Histopathol. 2004 Jul;19\(3\):951-61](#) . Review.

Alaminos M, Marín JL, Moreno MI, Sánchez-López-Tello C.

Perineal transsphincteric derivation of urine. Experimental study in rabbits.

[Eur J Pediatr Surg. 2004 Jun;14\(3\):155-62](#) .

Sánchez-Quevedo MC, Ceballos G, García JM, Luna JD, Rodríguez IA, Campos A.

Dentine structure and mineralization in hypocalcified amelogenesis imperfecta: a quantitative X-ray histochemical study.

[Oral Dis. 2004 Mar;10\(2\):94-8](#) .