

- * A role of matrix metalloproteinase-8 in atherosclerosis # Laxton RC, Hu Y, Duchene J, Zhang F, Zhang Z, Leung KY, Xiao Q, Scotland RS, Hodgkinson CP, Smith K, Willeit J, López-Otín C, Simpson IA, Kiechl S, Ahluwalia A, Xu Q, Ye S # *Circ Res.* 2009 Oct 23;105(9):921-9
- * Accelerated ageing: from mechanism to therapy through animal models # Osorio FG, Obaya AJ, López-Otín C, Freije JM # *Transgenic Res.* 2009 Feb;18(1):7-15
- * Binding of 2'-amino-2'-deoxycytidine-5'-triphosphate to norovirus polymerase induces rearrangement of the active site # Zamyatkin DF, Parra F, Machín A, Grochulski P, Ng KK # *J Mol Biol.* 2009 Jul 3;390(1):10-6
- * Biochemical and structural characterization of RHDV capsid protein variants produced in *Pichia pastoris*: advantages for immunization strategies and vaccine implementation # Farnós O, Fernández E, Chiong M, Parra F, Joglar M, Méndez L, Rodríguez E, Moya G, Rodríguez D, Leonart R, González EM, Alonso A, Alfonso P, Suárez M, Rodríguez MP, Toledo JR # *Antiviral Res.* 2009 Jan;81(1):25-36
- * Cell-free DNA as a noninvasive acute rejection marker in renal transplantation # García Moreira V, Prieto García B, Baltar Martín JM, Ortega Suárez F, Alvarez FV # *Clin Chem.* 2009 Nov;55(11):1958-66
- * Cyk3 acts in actomyosin ring independent cytokinesis by recruiting Inn1 to the yeast bud neck # Jendretzki A, Ciklic I, Rodicio R, Schmitz HP, Heinisch JJ # *Mol Genet Genomics.* 2009 Oct;282(4):437-51
- * Cystatin D is a candidate tumor suppressor gene induced by vitamin D in human colon cancer cells # Alvarez-Díaz S, Valle N, García JM, Peña C, Freije JM, Quesada V, Astudillo A, Bonilla F, López-Otín C, Muñoz A # *J Clin Invest.* 2009 Aug;119(8):2343-58
- * Degradome expression profiling in human articular cartilage # Swingler TE, Waters JG, Davidson RK, Pennington CJ, Puente XS, Darrah C, Cooper A, Donell ST, Guile GR, Wang W, Clark IM # *Arthritis Res Ther.* 2009;11(3):R96
- * Determinación de procalcitonina en un Cobas e411 # Belén Prieto García, Tamara de la Cera Martínez, Elena Llorente Fernández y Francisco V. Álvarez Menéndez # *Rev Lab Clin.* 2009;2(2):99-102
- * Elevated transrenal DNA (cell-free urine DNA) in patients with urinary tract infection compared to healthy controls # García Moreira V, Prieto García B, de la Cera Martínez T, Alvarez Menéndez FV # *Clin Biochem.* 2009 May;42(7-8):729-31
- * Functional differences between precursor and mature forms of the RNA-dependent RNA polymerase from rabbit hemorrhagic disease virus # Machín A, Martín Alonso JM, Dalton KP, Parra F # *J Gen Virol.* 2009 Sep;90(Pt 9):2114-8
- * Genetic inactivation of ADAMTS15 metalloprotease in human colorectal cancer # Vilorio CG, Obaya AJ, Moncada-Pazos A, Llamazares M, Astudillo A, Capellá G, Cal S, López-Otín C # *Cancer Res.* 2009 Jun 1;69(11):4926-34
- * HDAC3 represses the expression of NKG2D ligands ULBPs in epithelial tumour cells: potential implications for the immunosurveillance of cancer # López-Soto A, Folgueras AR, Seto E, Gonzalez S # *Oncogene.* 2009 Jun 25;28(25):2370-82
- * In vitro anti-herpetic activity of an aqueous extract from the plant *Phyllanthus orbicularis* # Alvarez AL, del Barrio G, Kourí V, Martínez PA, Suárez B, Parra F # *Phytomedicine.* 2009 Oct;16(10):960-6
- * Influence of gender and sex hormones on 5alpha-dihydrotestosterone elicited effect in isolated left atria of rats: Role of beta-adrenoceptors and ornithine decarboxylase activity # Bordallo J, Secades L, Bordallo C, Cantabrana B, Sánchez M # *Eur J Pharmacol.* 2009 Feb 14;604(1-3):103-10
- * Matriptase-2 (TMPRSS6): a proteolytic regulator of iron homeostasis # Ramsay AJ, Hooper JD, Folgueras AR, Velasco G, López-Otín C # *Haematologica.* 2009 Jun;94(6):840-9
- * Matriptase-2 mutations in iron-refractory iron deficiency anemia patients provide new insights into protease activation mechanisms # Ramsay AJ, Quesada V, Sanchez M, Garabaya C, Sardà MP, Baiget M, Remacha A, Velasco G, López-Otín C # *Hum Mol Genet.* 2009 Oct 1;18(19):3673-83

- * Metalloproteinase MT5-MMP is an essential modulator of neuro-immune interactions in thermal pain stimulation # Folgueras AR, Valdés-Sánchez T, Llano E, Menéndez L, Baamonde A, Denlinger BL, Belmonte C, Juárez L, Lastra A, García-Suárez O, Astudillo A, Kirstein M, Pendás AM, Fariñas I, López-Otín C # *Proc Natl Acad Sci U S A*. 2009 Sep 22;106(38):16451-6
- * Microtubule interfering agents and KSP inhibitors induce the phosphorylation of the nuclear protein p54(nrb), an event linked to G2/M arrest # Casado P, Prado MA, Zuazua-Villar P, Del Valle E, Artime N, Cabal-Hierro L, Rupérez P, Burlingame AL, Lazo PS, Ramos S # *J Proteomics*. 2009 Jan 30;71(6):592-600
- * Nuclear export of the yeast hexokinase 2 protein requires the Xpo1 (Crm1)-dependent pathway # Peláez R, Herrero P, Moreno F # *J Biol Chem*. 2009 Jul 31;284(31):20548-55
- * Participation of HERG channel cytoplasmic structures on regulation by the G protein-coupled TRH receptor # Alonso-Ron C, Barros F, Manso DG, Gómez-Varela D, Miranda P, Carretero L, Domínguez P, de la Peña P # *Pflugers Arch*. 2009 Apr;457(6):1237-52
- * Pathology, isolation and molecular characterisation of a ranavirus from the common midwife toad *Alytes obstetricans* on the Iberian Peninsula # Balseiro A, Dalton KP, del Cerro A, Marquez I, Cunningham AA, Parra F, Prieto JM, Casais R # *Dis Aquat Organ*. 2009 Apr 6;84(2):95-104
- * Plasma vitamins, amino acids, and renal function in postexercise hyperhomocysteinemia # Venta R, Cruz E, Valcárcel G, Terrados N # *Med Sci Sports Exerc*. 2009 Aug;41(8):1645-51
- * Protective roles of matrix metalloproteinases: from mouse models to human cancer # López-Otín C, Palavalli LH, Samuels Y # *Cell Cycle*. 2009 Nov 15;8(22):3657-62
- * Proteolytic systems: constructing degradomes # Ordóñez GR, Puente XS, Quesada V, López-Otín C # *Methods Mol Biol*. 2009;539:33-47
- * Rapid identification of myxoma virus variants by long-range PCR and restriction fragment length polymorphism analysis # Dalton KP, Ringleb F, Martín Alonso JM, Parra F # *J Virol Methods*. 2009 Nov;161(2):284-8
- * Rapid purification of myxoma virus DNA # Dalton KP, Ringleb F, Martín Alonso JM, Parra F # *J Virol Methods*. 2009 Dec;162(1-2):284-7
- * Relationship between arterial vascular calcifications seen on screening mammograms and biochemical markers of endothelial injury # Pidal D, Sánchez Vidal MT, Rodríguez JC, Corte MD, Pravia P, Guinea O, Pidal I, Bongera M, Escribano D, González LO, Díez MC, Venta R, Vizoso FJ # *Eur J Radiol*. 2009 Jan;69(1):87-92
- * Role of annexin A2 in cellular entry of rabbit vesivirus # González-Reyes S, García-Manso A, del Barrio G, Dalton KP, González-Molleda L, Arrojo-Fernández J, Nicieza I, Parra F # *J Gen Virol*. 2009 Nov;90(Pt 11):2724-30
- * Role of polyamines and cAMP-dependent mechanisms on 5alpha-dihydrotestosterone-elicited functional effects in isolated right atria of rat # Sánchez M, Secades L, Bordallo C, Meana C, Rubín JM, Cantabrana B, Bordallo J # *J Cardiovasc Pharmacol*. 2009 Oct;54(4):310-8
- * Situación actual del diagnóstico prenatal no invasivo # Alejandra Fernández Fernández, Belén Prieto García and Francisco V. Álvarez Menéndez # *Revista del Laboratorio Clínico* Volume 2, Issue 1, January-March 2009, Pages 47-55
- * Structural and functional diversity of novel coronin 1C (CRN2) isoforms in muscle # Xavier CP, Rastetter RH, Stumpf M, Rosentreter A, Müller R, Reimann J, Cornfine S, Linder S, van Vliet V, Hofmann A, Morgan RO, Fernandez MP, Schröder R, Noegel AA, Clemen CS # *J Mol Biol*. 2009 Oct 23;393(2):287-99
- * The ADAMTS12 metalloprotease gene is epigenetically silenced in tumor cells and transcriptionally activated in the stroma during progression of colon cancer # Moncada-Pazos A, Obaya AJ, Fraga MF, Vilorio CG, Capellá G, Gausachs M, Esteller M, López-Otín C, Cal S # *J Cell Sci*. 2009 Aug 15;122(Pt 16):2906-13
- * The Degradome database: mammalian proteases and diseases of proteolysis # Quesada V, Ordóñez GR, Sánchez LM, Puente XS, López-Otín C # *Nucleic Acids Res*. 2009 Jan;37(Database issue):D239-43
- * The mammalian NudC-like genes: a family with functions other than regulating nuclear distribution # Riera J, Lazo PS # *Cell Mol Life Sci*. 2009 Jul;66(14):2383-90

* Tyrosine kinase A, C and fibroblast growth factor-2 receptors in bovine embryos cultured in vitro # Muñoz M, Rodríguez A, Díez C, Caamaño JN, Fernández-Sánchez MT, Pérez-Gómez A, De Frutos C, Facal N, Gómez E # Theriogenology. 2009 Apr 1;71(6):1005-10