

- \* AtFACE-2, a functional prenylated protein protease from *Arabidopsis thaliana* related to mammalian Ras-converting enzymes # Cadiñanos J, Varela I, Mandel DA, Schmidt WK, Díaz-Perales A, López-Otín C, Freije JM # *J Biol Chem.* 2003 Oct 24;278(43):42091-7
- \* Cloning, heterologous expression in *Escherichia coli* and characterization of a protein disulfide isomerase from *Fasciola hepatica* # Salazar-Calderón M, Martín-Alonso JM, Castro AM, Parra F # *Mol Biochem Parasitol.* 2003 Jan;126(1):15-23
- \* Effect of treatment on the dynamics of circulating hypodermin C in cattle naturally infested with *Hypoderma lineatum* (Diptera: Oestridae) # Colwell, D. D.; Panadero, R.; López, C.; Parra, J. F.; Paz, A.; Sánchez, R.; Díez, P # *Veterinary Parasitology* (2003) 113: 263-272
- \* Human and mouse proteases: a comparative genomic approach # Puente XS, Sánchez LM, Overall CM, López-Otín C # *Nat Rev Genet.* 2003 Jul;4(7):544-58
- \* Human autophagins, a family of cysteine proteinases potentially implicated in cell degradation by autophagy # Mariño G, Uría JA, Puente XS, Quesada V, Bordallo J, López-Otín C # *J Biol Chem.* 2003 Feb 7;278(6):3671-8
- \* Identification and characterization of ADAMTS-20 defines a novel subfamily of metalloproteinases-disintegrins with multiple thrombospondin-1 repeats and a unique GON domain # Llamazares M, Cal S, Quesada V, López-Otín C # *J Biol Chem.* 2003 Apr 11;278(15):13382-9
- \* Identification, functional expression and enzymic analysis of two distinct CaaX proteases from *Caenorhabditis elegans* # Cadiñanos J, Schmidt WK, Fueyo A, Varela I, López-Otín C, Freije JM # *Biochem J.* 2003 Mar 15;370(Pt 3):1047-54
- \* In vitro antiviral activity of *Phyllanthus orbicularis* extracts against herpes simplex virus type I # Fernández Romero JA, Del Barrio Alonso G, Romeu Alvarez B, Gutiérrez Y, Valdés VS, Parra F # *Phytother Res.* 2003 Sep;17(8):980-2
- \* Loss of collagenase-2 confers increased skin tumor susceptibility to male mice # Balbín M, Fueyo A, Tester AM, Pendás AM, Pitiot AS, Astudillo A, Overall CM, Shapiro SD, López-Otín C # *Nat Genet.* 2003 Nov;35(3):252-7
- \* Matrix metalloproteinase-19 expression in dermal wounds and by fibroblasts in culture # Hieta N, Impola U, López-Otín C, Saarialho-Kere U, Kähäri VM # *J Invest Dermatol.* 2003 Nov;121(5):997-1004
- \* Matrix metalloproteinases and tumor progression # Freije JM, Balbín M, Pendás AM, Sánchez LM, Puente XS, López-Otín C # *Adv Exp Med Biol.* 2003;532:91-107
- \* Membrane type-matrix metalloproteinases (MT-MMP) # Zucker S, Pei D, Cao J, Lopez-Otin C # *Curr Top Dev Biol.* 2003;54:1-74
- \* Neuronal sensitization and its behavioral correlates in rat model of neuropathy are prevented by a cyclic analog of orphenadrine # Biella GE, Gropetti A, Novelli A, Fernández-Sánchez MT, Manfredi B, Sotgiu ML # *J Neurotrauma.* 2003 Jun;20(6):593-601
- \* Oral immunization using tuber extracts from transgenic potato plants expressing rabbit hemorrhagic disease virus capsid protein # Martín-Alonso, J. M.; Castañón, S.; Alonso, P.; Parra, J. F.; Ordás, R. J # *Transgenic Research* (2003) 12: 127-130
- \* Polyserase-I, a human polyprotease with the ability to generate independent serine protease domains from a single translation product # Cal S, Quesada V, Garabaya C, Lopez-Otin C # *Proc Natl Acad Sci U S A.* 2003 Aug 5;100(16):9185-90
- \* Protein kinase C is necessary for recovery from the thyrotropin-releasing hormone-induced r-ERG current reduction in GH3 rat anterior pituitary cells # Gomez-Varela D, Giraldez T, de la Pena P, Dupuy SG, Garcia-Manso D, Barros F # *J Physiol.* 2003 Mar 15;547(Pt 3):913-29
- \* Relevance of the proximal domain in the amino-terminus of HERG channels for regulation by a phospholipase C-coupled hormone receptor # Gómez-Varela D, Barros F, Vilorio CG, Giraldez T, Manso DG, Dupuy SG, Miranda P, de la Peña P # *FEBS Lett.* 2003 Jan 30;535(1-3):125-30

- \* RNA synthesis-dependent potentiation of  $\alpha$ -amino-3-hydroxy-5-methyl-4-isoxazole propionate receptor-mediated excitotoxicity by antihistamine terfenadine in cultured rat cerebellar neurons # Díaz-Trelles R, Novelli A, Fernández-Sánchez MT # *Neurosci Lett*. 2003 Jul 17;345(2):136-40
- \* Role of BK potassium channels shaping action potentials and the associated  $[Ca^{2+}]_i$  oscillations in GH(3) rat anterior pituitary cells # Miranda P, de la Peña P, Gómez-Varela D, Barros F # *Neuroendocrinology*. 2003 Mar;77(3):162-76
- \* Structural and functional characterization of recombinant mouse annexin A11: Influence of calcium binding # Lecona E, Turnay J, Olmo N, Guzmán-Aránguez A, Morgan RO, Fernandez MP, Lizarbe MA # *Biochem J*. 2003 Jul 15;373(Pt 2):437-49
- \* Structure, function and evolution of the annexin gene superfamily # Fernandez MP, Morgan RO # in *The Annexins - Biological Importance and Annexin-related Pathologies* (ed. Bandorowicz-Pikula J), Landes Bioscience, Georgetown (2003), pp. 21-37
- \* The concentrations of soluble vascular cell adhesion molecule-1 and lipids are independently associated with venous thromboembolism # González-Ordóñez AJ, Fernández-Carreira JM, Fernández-Alvarez CR, Venta Obaya R, Macías-Robles MD, González-Franco A, Arias García MA # *Haematologica*. 2003 Sep;88(9):1035-43
- \* The naturally occurring variant of estrogen receptor (ER) ERAE7 suppresses estrogen-dependent transcriptional activation by both wild-type ER $\alpha$  and ER $\beta$  # García, J. M.; Zuazua, P.; Martínez-Campa, C.; Lazo, P. S.; Ramos, S # *Endocrinology* (2003) 144: 2967- 2976
- \* Topographic characterization and electrostatic response of M-DNA studied by Atomic Force Microscopy # Moreno-Herrero F., P. Herrero, F. Moreno, J. Colchero, C. Gómez-Navarro J. Gómez-Herrero and A.M. Baró # *Nanotechnology*, 2003; 14: 128-133.