



ALTRES PUBLICACIONS OTRAS PUBLICACIONES OTHER PUBLICATIONS

• Justo ML, Candiracci M, Dantas AP, de Sotomayor MA, Parrado J, Vila E, Herrera MD, Rodriguez-Rodriguez R.

Rice bran enzymatic extract restores endothelial function and vascular contractility in obese rats by reducing vascular inflammation and oxidative stress.

J Nutr Biochem. **2013**;24(8):1453-61.

- McNeish AJ, Jimenez-Altayo F, Cottrell GS, Garland CJ. Statins and selective inhibition of Rho kinase protect small conductance calcium-activated potassium channel function (K(Ca)2.3) in cerebral arteries. PLoS One. **2012**;7(10):e46735.
- Rodriguez-Rodriguez R, Justo ML, Claro CM, Vila E, Parrado J, Herrera MD, Alvarez de Sotomayor M. Endothelium-dependent vasodilator and antioxidant properties of a novel enzymatic extract of grape pomace from wine industrial waste. Food Chem. **2012**;135(3):1044-51.
- Dantas AP, Jiménez-Altayó F, Vila E.
 Vascular aging: facts and factors.
 Physiol. 2012;3:325.
- Jiménez-Altayó F, Onetti Y, Heras M, Dantas AP, Vila E. Western-style diet modulates contractile responses to phenylephrine differently in mesenteric arteries from senescence-accelerated prone (SAMP8) and resistant (SAMR1) mice.

Age (Dordr). 2012

- Caracuel L, Jiménez-Altayó F, Romo M, Márquez-Martín A, Dantas AP, Vila E. *Transient mesenteric ischemia leads to remodeling of rat mesenteric resistance arteries.* Front Physiol. **2011**;2:118.
- Garland CJ, Yarova PL, Jiménez-Altayó F, Dora KA. Vascular hyperpolarization to β-adrenoceptor agonists evokes spreading dilatation in rat isolated mesenteric arteries. Br J Pharmacol. **2011**;164(3):913-21.





• Martínez-Revelles S, Caracuel L, Márquez-Martín A, Dantas AP, Oliver E, D'Ocon P, Vila E. Increased endothelin-1 vasoconstriction in mesenteric resistance arteries after superior mesenteric ischemia-reperfusion.

Br J Pharmacol. 2011. 1476-5381.

- Márquez-Martín A, Jiménez-Altayó F, Dantas AP, Caracuel L, Planas AM, Vila E. Middle cerebral artery alterations in a rat chronic hypoperfusion model. J Appl Physiol. **2011**
- McNeish AJ, Altayo FJ, Garland CJ. Evidence both L-type and non-L-type voltage-dependent calcium channels contribute to cerebral artery vasospasm following loss of NO in the rat. Vascul Pharmacol. **2010**; 53(3-4):151-9.
- Pérez-Asensio FJ, de la Rosa X, Jiménez-Altayó F, Gorina R, Martínez E, Messeguer A, Vila E, Chamorro A, Planas AM

Antioxidant CR-6 protects against reperfusion injury after a transient episode of focal brain ischemia in rats.

J Cereb Blood Flow Metab. **2010**: 30(3):638-52

• Jiménez-Altayó F, Caracuel L, Pérez-Asensio FJ, Martínez-Revelles S, Messeguer A, Planas AM, Vila E.

Participation of oxidative stress on rat middle cerebral artery changes induced by focal cerebral ischemia: beneficial effects of 3, 4-dihydro-6-hydroxy-7-methoxy-2,2-dimethyl-1(2H)-benzopyran (CR-6).

J Pharmacol Exp Ther. 2009 331(2):429-36

• Martinez-Revelles S, Jiménez-Altayó F, Caracuel L, Pérez-Asensio FJ, Planas AM, Vila E. Endothelial dysfunction in rat mesenteric resistance artery after transient middle cerebral artery occlusion.

J Pharmacol Exp Ther. **2008** 325(2):363-9 Impact factor 4.017

• Jiménez-Altayó F, Martín A, Rojas S, Justicia C, Briones AM, Giraldo J, Planas AM, Vila E. Transient middle cerebral artery occlusion causes different structural, mechanical, and myogenic alterations in normotensive and hypertensive rats.

Am J Physiol Heart Circ Physiol. 2007; 293H628-35

• Briones AM, Salaices M, Vila E.

Mechanisms underlying hypertrophic remodeling and increased stiffness of mesenteric resistance arteries from aged rats.

J Gerontol A Biol Sci Med Sci. 2007;62:696-706





• Arribas SM, González JM, Briones AM, Somoza B, Daly CJ, Vila E, González MC, McGrath JC.

Confocal myography for the study of hypertensive vascular remodelling. Clin Hemorheol Microcirc. **2007**;37:205-10.

• Gonzalez JM, Briones AM, Somoza B, Daly CJ, Vila E, Starcher B, McGrath JC, Gonzalez MC, Arribas SM.

Postnatal alterations in elastic fiber organization precede resistance artery narrowing in SHR.

Am J Physiol Heart Circ Physiol. 2006;291(2):H804-12.

• Jimenez-Altayo F, Briones AM, Giraldo J, Planas AM, Salaices M, Vila E. Increased superoxide anion production by interleukin-1beta impairs nitric oxide-mediated relaxation in resistance arteries.

J Pharmacol Exp Ther. 2006;316(1):42-52...

• Briones AM, Montoya N, Giraldo J, Vila E. Ageing affects nitric oxide synthase, cyclooxygenase and oxidative stress enzymes expression differently in mesenteric resistance arteries. Auton Autacoid Pharmacol. **2005**;25(4):155-62.

• Briones AM, Daly CJ, Jimenez-Altayo F, Martinez-Revelles S, Gonzalez JM, McGrath JC, Vila E.

Direct demonstration of beta1- and evidence against beta2- and beta3-adrenoceptors, in smooth muscle cells of rat small mesenteric arteries.

Br J Pharmacol. **2005**;146(5):679-91.

• McGrath JC, Deighan C, Briones AM, Shafaroudi MM, McBride M, Adler J, Arribas SM, Vila E, Daly CJ.

New aspects of vascular remodelling: the involvement of all vascular cell types. Exp Physiol. 2005 Jul;90(4):469-75. Review.

• Gonzalez JM, Briones AM, Starcher B, Conde MV, Somoza B, Daly C, Vila E, McGrath I, Gonzalez MC, Arribas SM.

Influence of elastin on rat small artery mechanical properties.

Exp Physiol. **2005**;90(4):463-8.





• Briones AM, Salaices M, Vila E.

Ageing alters the production of nitric oxide and prostanoids after IL-1beta exposure in mesenteric resistance arteries.

Mech Ageing Dev. **2005**;126(6-7):710-21.

• Domenicali M, Ros J, Fernandez-Varo G, Cejudo-Martin P, Crespo M, Morales-Ruiz M, Briones AM, Campistol JM, Arroyo V, Vila E, Rodes J, Jimenez W. *Increased anandamide induced relaxation in mesenteric arteries of cirrhotic rats: role of cannabinoid and vanilloid receptors*. Gut. **2005**;54(4):522-7.

Vila E, Salaices M.
 Cytokines and vascular reactivity in resistance arteries.
 Am J Physiol Heart Circ Physiol. 2005;288(3):H1016-21. Review.

• Hernanz R, Briones AM, Alonso MJ, Vila E, Salaices M. Hypertension alters role of iNOS, COX-2, and oxidative stress in bradykinin relaxation impairment after LPS in rat cerebral arteries.

Am J Physiol Heart Circ Physiol. 2004;287(1):H225-34.