

VASCULAR PHYSIOLOGY AND PHARMACOLOGY GROUP

 **Publications: 15**

 **Impact Factor: 71.418**

 **QI: 12**



PUBLICATIONS

- Aguado A, Rodríguez C, Martínez-Revelles S, Avendaño MS, Zhenyukh O, Orriols M, Martínez-González J, Alonso MJ, Briones AM, Dixon DA, Salaices M. HuR mediates the synergistic effects of angiotensin II and IL-1 on vascular COX-2 expression and cell migration. *Brit J Pharmacol.* 2015;172(12):3028-42. Article. IF: 5.259; D1.
- de Queiroz DB, Sastre E, Caracuel L, Callejo M, Xavier FE, Blanco-Rivero J, Balfagón G. Alterations in perivascular innervation function in mesenteric arteries from offspring of diabetic rats. *Brit J Pharmacol.* 2015;172(19):4699-713. Article. IF: 5.259; D1.
- García-Redondo AB, Briones AM, Martínez-Revelles S, Palao T, Vila L, Alonso MJ, Salaices M. c-Src, ERK1/2 and Rho kinase mediate hydrogen peroxide-induced vascular contraction in hypertension: role of TXA₂, NAD(P) H oxidase and mitochondria. *J Hypertens.* 2015;33(1):77-87. Article. IF: 5.062; Q1.
- Hernanz R, Martínez-Revelles S, Palacios R, Martín A, Cachofeiro V, Aguado A, García-Redondo L, Barrus MT, de Batista PR, Briones AM, Salaices M, Alonso MJ. Toll-like receptor 4 contributes to vascular remodelling and endothelial dysfunction in angiotensin II-induced hypertension. *Brit J Pharmacol.* 2015;172(12):3159-76. Article. IF: 5.259; D1.
- Lucas E, Cruces-Sande M, Briones AM, Salaices M, Mayor F, Murga C, Vila-Bedmar R. Molecular physiopathology of obesity-related diseases: multi-organ integration by GRK2. *Arch Physiol Biochem.* 2015;121(5):163-77. Review. IF: 1.536; Q4.
- Martín-Alonso M, García-Redondo AB, Guo DC, Camafeita E, Martínez F, Alfranca A, Méndez-Barbero N, Pollán A, Sánchez-Camacho C, Denhardt DT, Seiki M, Vázquez J, Salaices M, Redondo JM, Milewicz D, Arroyo AG. Deficiency of MMP17/MT4-MMP proteolytic activity predisposes to aortic aneurysm in mice. *Circ Res.* 2015;117(2):E13-26. Article. IF: 11.551; D1.
- Martínez-Martínez E, Cachofeiro V, Rousseau E, Álvarez V, Calvier L, Fernández-Celis A, Leroy C, Miana M, Jurado-López R, Briones AM, Jaisser F, Zannad F, Rossignol P, López-Andrés N. Interleukin-33/ST2 system attenuates aldosterone-induced adipogenesis and inflammation. *Mol Cell Endocrinol.* 2015;411(C):2027. Article. IF: 3.859; Q2.
- Montezano AC, Dulak-Lis M, Tsiropoulou S, Harvey A, Briones AM, Touyz RM. Oxidative stress and human hypertension: vascular mechanisms, biomarkers, and novel therapies. *Can J Cardiol.* 2015;31(5):631-41. Review. IF: 3.112; Q2.
- Quiñones M, Margalef M, Arola-Arnal A, Muguerza B, Miguel M, Aleixandre A. The blood pressure effect and related plasma levels of flavan-3-ols in spontaneously hypertensive rats. *Food Funct.* 2015;6(11):3479-89. Article. IF: 2.686; Q1.
- Ríos FJ, Neves KB, Cat AND, Even S, Palacios R, Montezano AC, Touyz RM. Cholesteryl ester-transfer protein inhibitors stimulate aldosterone biosynthesis in adipocytes through nox-dependent processes. *J Pharmacol Exp Ther.* 2015;353(1):27-34. Article. IF: 3.76; Q1.
- Rodríguez-Díez RR, García-Redondo AB, Orejudo M, Rodríguez-Díez R, Briones AM, Bosch-Panadero E, Kery G, Pato J, Ortiz A, Salaices M, Egido J, Ruiz-Ortega M. The C-terminal module IV of connective tissue growth factor, through EGFR/Nox1 signaling, activates the NF-kappa B pathway and proinflammatory factors in vascular smooth muscle cells. *Antioxid Redox Sign.* 2015;22(1):29-47. Article. IF: 7.093; D1.



3.2 Cardiovascular Area

- Sastre E, Blanco-Rivero J, Caracuel L, Callejo M, Balfagón G. Alterations in perivascular sympathetic and nitrergic innervation function induced by late pregnancy in rat mesenteric arteries. *Plos One*. 2015;10(5):e0126017. Article. IF: 3.057; Q1.
- Sastre E, Caracuel L, Balfagón G, Blanco-Rivero J. Aerobic exercise training increases nitrergic innervation function and decreases sympathetic innervation function in mesenteric artery from rats fed a high-fat diet. *J Hypertens*. 2015;33(9):1819-30. Article. IF: 5.062; Q1.
- Simoes MR, Aguado A, Fiorim J, Silveira EA, Azevedo BF, Toscano CM, Zhenyukh O, Briones AM, Alonso MJ, Vassallo DV, Salices M. MAPK pathway activation by chronic lead-exposure increases vascular reactivity through oxidative stress/cyclooxygenase-2-dependent pathways. *Toxicol Appl Pharm*. 2015;283(2):127-38. Article. IF: 3.847; Q1.
- Toral M, Romero M, Jiménez R, Mahmoud AM, Barroso E, Gómez-Guzmán M, Sánchez M, Cogolludo A, García-Redondo AB, Briones AM, Vázquez-Carrera M, Pérez-Vizcaino F, Duarte J. Carnitine palmitoyltransferase-1 up-regulation by PPAR-beta/delta prevents lipid-induced endothelial dysfunction. *Clin Sci*. 2015;129(9):823-37. Article. IF: 5.016; Q1.

