

Cell and Molecular Physiology Unit

29 publications (44% of the total), 21 publications Q1 (72%), 9 publications Q1 D1 (31%), IFT 177. 13 articles (48%) with the main author of the IBGM, 11 international collaborations (38%), 9 national collaborations (31%) and 1 intramural collaboration (3%).

1. Rojo-Ruiz J, Rodríguez-Prados M, Delrio-Lorenzo A, **Alonso MT**, **García-Sancho J** (2018) Caffeine chelates calcium in the lumen of the endoplasmic reticulum. *Biochem J*. 2018 Nov 28; 475(22):3639-3649. doi: 10.1042/BCJ20180532. **IF 3.620 / Q1.**
2. García-Casas P, Arias-Del-Val J, Alvarez-Illera P, **Fonteriz RI**, **Montero M**, **Alvarez J** (2018) Inhibition of sarco-endoplasmic reticulum Ca²⁺ ATPase extends the lifespan in *C. elegans* worms. *Front Pharmacol*. 2018 Jun 25;9:669. doi: 10.3389/fphar.2018.00669. eCollection 2018. **IF: 3.950 / Q1 D1.**
3. **Núñez L**, Bird GS, Hernando-Pérez E, Pérez-Riesgo E, Putney JW, **Villalobos C** (2018) Store-operated Ca²⁺ entry and Ca²⁺ responses to hypothalamic-releasing hormones in anterior pituitary cells from Orai1 and heptaTRPC knockout mice. *Biochim Biophys Acta Mol Cell Res* Nov 16. pii: S0167-4889(18)30504-4. **IF: 5.128 / Q1.**
4. **Villalobos C**, Gutiérrez LG, Hernández-Morales M, del Bosque D, **Núñez L** (2018) Mitochondrial control of store-operated Ca²⁺ channels in cancer: pharmacological implications. *Pharmacol Res* 135, 136-143. **IF: 4.897 / Q1 D1.**
5. **Núñez L**, Calvo-Rodríguez M, Caballero E, García-Durillo M, **Villalobos C** (2018) Neurotoxic Ca²⁺ signalling induced by amyloid oligomers in aged hippocampal neurons in vitro. *Methods Mol Biol* 1779, 341-354. **IF: 1.500 / Q2**
6. Sanz-Blasco S, Calvo-Rodríguez M, Caballero E, García-Durillo M, **Núñez L**, **Villalobos C** (2018) Is it all said for NSAIDs in Alzheimer's disease? Role of mitochondrial calcium uptake. *Curr Alzheimer Res* 15, 1-7. **IF: 3.145 / Q1**
7. Humeau J, Bravo-San Pedro JM, **Núñez L**, **Villalobos C**, Kroemer G, Senovilla L (2018) Calcium signaling and cell cycle: progression or death. *Cell Calcium* 70, 3-15. **IF: 3,707 / Q1**
8. Cazaña-Pérez V, Ciudad P, Donate-Correa J, Martín-Núñez E, **López-López JR**, **Pérez-García MT**, Giraldez T, Navarro-González JF, Alvarez de la Rosa D (2018) Phenotypic Modulation of Cultured Primary Human Aortic Vascular Smooth Muscle Cells by Uremic Serum. *Front Physiol*. 2018 Feb 12;9:89. doi: 10.3389/fphys.2018.00089. eCollection 2018. **IF 3.660 / Q1**
9. **López-López JR**, Ciudad P, **Pérez-García MT** (2018) Kv channels and vascular smooth muscle cell proliferation. *Microcirculation*. 2018 Jan;25(1). doi: 10.1111/micc.12427. **IF 2.83 / Q1**
10. **Pérez-García MT**, Ciudad P, **López-López JR** (2018) The secret life of ion channels: Kv1.3 potassium channels and proliferation. *Am J Physiol Cell Physiol*. 2018 Jan 1;314(1):C27-C42. doi: 10.1152/ajpcell.00136.2017. **IF 3.454 / Q1**

11. Olea E, Gonzalez-Obeso E, Agapito T, **Obeso A, Rigual R, Rocher A, Gomez-Niño A** (2018) Adrenal Medulla Chemo Sensitivity Does Not Compensate the Lack of Hypoxia Driven Carotid Body Chemo Reflex in Guinea Pigs. *Adv Exp Med Biol.* 2018;1071:167-174. doi: 10.1007/978-3-319-91137-3_21. IF 1.67 / Q2
12. Docio I, Olea E, Prieto-Lloret J, Gallego-Martin T, **Obeso A, Gomez-Niño A, Rocher A** (2018) Guinea Pig as a Model to Study the Carotid Body Mediated Chronic Intermittent Hypoxia Effects. *Front Physiol.* 2018 Jun 5;9:694. doi: 10.3389/fphys.2018.00694. eCollection 2018. IF 3.66 / Q1
13. Gomez-Niño A, Docio I, Prieto-Lloret J, **Simarro M, de la Fuente MA, Rocher A** (2018) Mitochondrial Complex I Dysfunction and Peripheral Chemoreflex Sensitivity in a FASTK-Deficient Mice Model. *Adv Exp Med Biol.* 2018;1071:51-59. doi: 10.1007/978-3-319-91137-3_6. IF 1.67 / Q2
14. Ribeiro MJ, Sacramento JF, Gallego-Martin T, Olea E, Melo BF, Guarino MP, Yubero S, **Obeso A, Conde SV** (2018) High fat diet blunts the effects of leptin on ventilation and on carotid body activity. *J Physiol.* 2018; 596(15):3187-3199. doi: 10.1113/JP275362. IF 3.44 / Q1
15. **Prieto-Lloret J**, Snetkov VA, Shaifta Y, Docio I, Connolly MJ, MacKay CE, Knock GA, Ward JPT, Aaronson PI (2018) Role of reactive oxygen species and sulfide-quinone oxoreductase in hydrogen sulfide-induced contraction of rat pulmonary arteries. *Am J Physiol Lung Cell Mol Physiol.* 2018 Apr 1;314(4):L670-L685. doi: 10.1152/ajplung.00283.2016. IF 4.22 / Q1 D1
16. Heikal L, Starr A, Hussein D, **Prieto-Lloret J**, Aaronson P, Dailey LA, Nandi M (2018) L-Phenylalanine Restores Vascular Function in Spontaneously Hypertensive Rats Through Activation of the GCH1-GFRP Complex. *JACC Basic Transl Sci.* 2018 May 30;3(3):366-377. doi: 10.1016/j.jacbts.2018.01.015. eCollection 2018. IF 2.32 / Q1
17. Sacramento JF, Chew DJ, Melo BF, Donegá M, Dopson W, Guarino MP, Robinson A, **Prieto-Lloret J**, Patel S, Holinski BJ, Ramnarain N, Pikov V, Famm K, Conde SV. Bioelectronic modulation of carotid sinus nerve activity in the rat: a potential therapeutic approach for type 2 diabetes. *Diabetologia.* 2018 Mar;61(3):700-710. doi: 10.1007/s00125-017-4533-7. IF 5.09 / Q1 D1
18. Porras G, Díaz-Marrero AR, de la Rosa JM, D'Croz L, de Pablo N, Perdomo G, **Cózar-Castellano, I**, Darias J, Cueto M (2018) Cembranoids from *Eunicea* sp enhance insulin-producing cells proliferation. *Tetrahedron* 74 (16): 2056-62. IF: 2.651 / Q2
19. Villa-Pérez P, Merino B, Fernández-Díaz CM, Ciudad P, **Lobatón CD, Moreno A**, Muturi HT, Ghadieh HE, Najjar SM, Leissring MA, **Cózar-Castellano I**, Perdomo G (2018) Liver-specific ablation of insulin-degrading enzyme causes hepatic insulin resistance and glucose intolerance, without affecting insulin clearance in mice. *Metabolism.* 2018 Nov;88:1-11. doi: 10.1016/j.metabol.2018.08.001. IF: 5.36 / Q1 D1
20. Fernández-Díaz CM, Escobar-Curbelo L, López-Acosta JF, **Lobatón CD, Moreno A**, Sanz-Ortega J, Perdomo G, **Cózar-Castellano I** (2018) Insulin degrading enzyme is up-regulated in pancreatic β cells by insulin treatment. *Histol Histopathol.* 2018 Nov;33(11):1167-1180. doi: 10.14670/HH-11-997. IF 2.025 / Q2

21. Gallardo AB, Díaz-Marrero AR, de la Rosa JM, D'Croz L, Perdomo G, **Cózar-Castellano I**, Darias J, Cueto M (2018) Chloro-Furanocembranolides from *Leptogorgia* sp. Improve Pancreatic Beta-Cell Proliferation. *Mar Drugs*. 2018 Feb 2;16(2). pii: E49. doi: 10.3390/mQ1 D16020049. IF: 4.379 / Q1.
22. Contreras Muruaga MM, Reig G, Vivancos J, González A, Cardona P, Ramírez-Moreno JM, Martí-Fàbregas J, Suárez Fernández C; en nombre de los investigadores del estudio ALADIN; Listado de investigadores del estudio ALADIN (2018) Factors associated with poor anticoagulation control with vitaminK antagonists among outpatients attended in Internal Medicine and Neurology. The ALADIN study. *Rev Clin Esp*. 2018 Oct;218(7):327-335. doi: 10.1016/j.rce.2018.04.020. IF 1.184 / Q2
23. Bang OY, Toyoda K, **Arenillas JF**, Liu L, Kim JS (2018) Intracranial Large Artery Disease of Non-Atherosclerotic Origin: Recent Progress and Clinical Implications. *J Stroke*. 2018 May;20(2):208-217. doi: 10.5853/jos.2018.00150. IF 3.52 / Q1
24. Ramos-Araque ME, Rodriguez C, Vecino R, Cortijo Garcia E, de Lera Alfonso M, Sanchez Barba M, Colàs-Campàs L, Purroy F, **Arenillas JF**, Almeida A, Delgado-Esteban M (2018) The Neuronal Ischemic Tolerance Is Conditioned by the Tp53 Arg72Pro Polymorphism. *Transl Stroke Res*. 2018 Apr 23. doi: 10.1007/s12975-018-0631-1. IF: 6.38 / Q1 D1
25. Masjuan J, Gállego J, Aguilera JM, **Arenillas JF**, Castellanos M, Díaz F, Portilla JC, Purroy F (2018) Use of cardiovascular polypills for the secondary prevention of cerebrovascular disease. *Neurología*. 2018 Jan 8. pii: S0213-4853(17)30366-3. doi: 10.1016/j.nrl.2017.10.013. IF 0,53 / Q2
26. **Arenillas JF**, Cortijo E, García-Bermejo P, Levy EI, Jahan R, Liebeskind D, Goyal M, Saver JL, Albers GW (2018) Relative cerebral blood volume is associated with collateral status and infarct growth in stroke patients in SWIFT PRIME. *J Cereb Blood Flow Metab*. 2018 Oct;38(10):1839-1847. doi: 10.1177/0271678X17740293. IF. 5.070 / Q1 D1
27. Pagola J, Juega J, Francisco-Pascual J, Moya A, Sanchis M, Bustamante A, Penalba A, Usero M, Cortijo E, **Arenillas JF** et al. , CryptoAF investigators (2018) Yield of atrial fibrillation detection with Textile Wearable Holter from the acute phase of stroke: Pilot study of Crypto-AF registry. *Int J Cardiol*. 2018 Jan 15;251:45-50. doi: 10.1016/j.ijcard.2017.10.063. IF 4.034 / Q1
28. Román LS, Menon BK, Blasco J, (...**Arenillas JF**...), Keshvara R. Cunningham J (2018) Imaging features and safety and efficacy of endovascular stroke treatment: a meta-analysis of individual patient-level data. *The Lancet Neurol* 17(10), 895-904. IF. 9.390 / Q1 D1
29. Amarenco P et al. TIAregistry.org Investigators. Five-Year Risk of Stroke after TIA or Minor Ischemic Stroke. *N Engl J Med*. 2018 Jun 7;378(23):2182-2190. doi: 10.1056/NEJMoa1802712. IF. 79.258 / Q1 D1

Innate Immunity and Inflammation

Unit

17 publications (26% of the total), 11Q1 (65%), 5Q1 D1 (29%), IFT 72. 7 articles (41%) with the main author of the IBGM. 2 international collaborations (12%), 10 national collaborations (59%), 7 intramural collaborations (41%).

1. **García-Rodríguez C**, Parra-Izquierdo I, Castaños-Mollor I, López J, San Román JA, **Sánchez Crespo M** (2018) Toll-Like Receptors, Inflammation, and Calcific Aortic Valve Disease. *Front Physiol*. 2018 Mar 12;9:201. doi: 10.3389/fphys.2018.00201. eCollection 2018. **IF 3.66 / Q1**
2. Parra-Izquierdo I, Castaños-Mollor I, López J, Gómez C, San Román JA, **Sánchez Crespo M**, **García-Rodríguez C** (2018) Calcification Induced by Type I Interferon in Human Aortic Valve Interstitial Cells Is Larger in Males and Blunted by a Janus Kinase Inhibitor. *Arterioscler Thromb Vasc Biol*. 2018 Sep;38(9):2148-2159. doi: 10.1161/ATVBAHA.118.311504. **IF: 6.086 / Q1 D1**
3. Herrero-Sánchez MC, Angomás EB, de Ramón C, **Tellería JJ**, Corchete LA, Alonso S, Ramos MDC, Peñarrubia MJ, Márquez S, Fernández N, García Frade LJ, **Sánchez Crespo M** (2018) Polymorphisms in receptors involved in opsonic and non-opsonic phagocytosis and the risk of infection in oncohematological patients. *Infect Immun*. 2018 Oct 1. pii: IAI.00709-18. doi: 10.1128/IAI.00709-18. **IF: 3.256 / Q2**
4. Vázquez P, Hernández-Sánchez C, Escalona-Garrido C, Pereira L, Contreras C, López M, **Balsinde J**, de Pablo F, Valverde AM (2018) Increased FGF21 in brown adipose tissue of tyrosine hydroxylase heterozygous mice: implications for cold adaptation. *J Lipid Res*. 2018 Dec;59(12):2308-2320. doi: 10.1194/jlr.M085209. **IF 4.52 / Q1**
5. Meana C, García-Rostán G, Peña L, Lordén G, Cubero Á, Orduña A, Gyórfy B, **Balsinde J**, **Balboa MA** (2018) The phosphatidic acid phosphatase lipin-1 facilitates inflammation-driven colon carcinogenesis. *JCI Insight*. 2018 Sep 20;3(18). pii: 97506. doi: 10.1172/jci.insight.97506.
6. Rubio JM, Astudillo AM, Casas J, **Balboa MA**, **Balsinde J** (2018) Regulation of Phagocytosis in Macrophages by Membrane Ethanolamine Plasmalogens. *Front Immunol*. 2018 Jul 24;9:1723. doi: 10.3389/fimmu.2018.01723. eCollection 2018. **IF 5.62 / Q1**
7. Astudillo AM, **Balboa MA**, **Balsinde J** (2018) Selectivity of phospholipid hydrolysis by phospholipase A2 enzymes in activated cells leading to polyunsaturated fatty acid mobilization. *Biochim Biophys Acta Mol Cell Biol Lipids*. 2018 Jul 17. pii: S1388-1981(18)30152-5. doi: 10.1016/j.bbalip.2018.07.002. **IF 5.02 / Q1**

8. Astudillo AM, Meana C, Guijas C, Pereira L, Lebrero P, **Balboa MA**, **Balsinde J** (2018) Occurrence and biological activity of palmitoleic acid isomers in phagocytic cells. *J Lipid Res.* 2018 Feb;59(2):237-249. doi: 10.1194/jlr.M079145. **IF 4.52 / Q1**
9. Marín-Royo G, Ortega-Hernández A, Martínez-Martínez E, Jurado-López R, Luaces M, Islas F, Gómez-Garre D, Delgado-Valero B, Lagunas E, Ramchandani B, García-Bouza M, **Nieto ML**, Cachofeiro V (2018) The Impact of Cardiac Lipotoxicity on Cardiac Function and Mirnas Signature in Obese and Non-Obese Rats with Myocardial Infarction. *Sci Rep.* 2019 Jan 24;9(1):444. doi: 10.1038/s41598-018-36914-y. **IF 4.36 / Q1 D1**
10. Marín-Royo G, Gallardo I, Martínez-Martínez E, Gutiérrez B, Jurado-López R, López-Andrés N, Gutiérrez-Tenorio J, Rial E, Bartolomé MAV, **Nieto ML**, Cachofeiro V (2018) Inhibition of galectin-3 ameliorates the consequences of cardiac lipotoxicity in a rat model of diet-induced obesity. *Dis Model Mech.* 2018 Feb 5;11(2). pii: dmm032086. doi: 10.1242/dmm.032086. **IF 4.28 / Q1 D1**
11. Marín-Royo G, Martínez-Martínez E, Gutiérrez B, Jurado-López R, Gallardo I, Montero O, Bartolomé MV, San Román JA, Salices M, **Nieto ML**, Cachofeiro V (2018) The impact of obesity in the cardiac lipidome and its consequences in the cardiac damage observed in obese rats. *Clin Investiq Arterioscler.* 2018 Jan - Feb;30(1):10-20. doi: 10.1016/j.arteri.2017.07.004. **IF 0.24 / Q3.**
12. Núñez C, **Garrote JA**, **Arranz E**, Bilbao JR, Fernández Bañares F, Jiménez J, Perucho T, Ruiz Casares E, Sánchez-Valverde F, Serrano JI (2018) Recommendations to report and interpret HLA genetic findings in coeliac disease. *Rev Esp Enferm Dig.* 2018 Jul;110(7):458-461. doi: 10.17235/reed.2018.5269/2017. **IF 0.7 / Q3**
13. Ochoa JP et al. (2018) Formin Homology 2 Domain Containing 3 (FHOD3) Is a Genetic Basis for Hypertrophic Cardiomyopathy. *J Am Coll Cardiol.* 2018 Nov 13;72(20):2457-2467. doi: 10.1016/j.jacc.2018.10.001. **IF 16.83 / Q1 D1**
14. Cabanillas R et al. , (2018) Comprehensive genomic diagnosis of non-syndromic and syndromic hereditary hearing loss in Spanish patients. *BMC Med Genomics.* 2018 Jul 9;11(1):58. doi: 10.1186/s12920-018-0375-5. **IF 3.41 / Q2**
15. Olivares M, Benítez-Páez A, de Palma G, Capilla A, Nova E, Castillejo G, Varea V, Marcos A, **Garrote JA**, Polanco I, Donat E, Ribes-Koninckx C, Calvo C, Ortigosa L, Palau F, Sanz Y (2018) Increased prevalence of pathogenic bacteria in the gut microbiota of infants at risk of developing celiac disease: The PROFICEL study. *Gut Microbes.* 2018 Nov 2;9(6):551-558. doi: 10.1080/19490976.2018.1451276. **IF 4.73 / Q1 D1**
16. Casado-Medrano V, Baker MJ, Lopez-Haber C, Cooke M, Wang S, **Caloca MJ**, Kazanietz MG (2018) The role of Rac in tumor susceptibility and disease progression: from biochemistry to the clinic. *Biochem Soc Trans.* 2018 Aug 20;46(4):1003-1012. doi: 10.1042/BST20170519. **IF 3.23 / Q2**

17. Barrio-Real L, Lopez-Haber C, Casado-Medrano V, Goglia AG, Toettcher JE, **Caloca MJ**, Kazanietz MG (2018) P-Rex1 is dispensable for Erk activation and mitogenesis in breast cancer. *Oncotarget*. 2018 Jun 19;9(47):28612-28624. doi: 10.18632/oncotarget.25584. eCollection 2018 Jun 19. **IF 4.65 / Q1**

Molecular Genetics of Disease Unit

21 publications (30% of the total), 14Q1 (70%), 6Q1 D1 (25%), IFT 74 11 articles (55%) with the main author of the IBGM. 4 international collaborations (20%), 9 national collaborations (45%) and 3 intramural collaborations (15%).

1. Calonge M, Pérez I, Galindo S, Nieto-Miguel T, López-Paniagua M, Fernández I, Alberca M, **García-Sancho J**, **Sánchez A**, Herreras JM (2018) A proof-of-concept clinical trial using mesenchymal stem cells for the treatment of corneal epithelial stem cell deficiency. *Transl Res*. 2018 Nov 22. pii: S1931-5244(18)30216-0. doi: 10.1016/j.trsl.2018.11.003. **IF: 4.26 / Q1 D1**
2. Barbado J, Tabera S, **Sánchez A**, **García-Sancho J** (2018) Therapeutic potential of allogeneic mesenchymal stromal cells transplantation for lupus nephritis. *Lupus*. 2018 Nov;27(13):2161-2165. doi: 10.1177/0961203318804922. **IF 2.54 / Q2**
3. Redondo LM, García V, Peral B, Verrier A, Becerra J, **Sánchez A**, **García-Sancho J** (2018) Repair of maxillary cystic bone defects with mesenchymal stem cells seeded on a cross-linked serum scaffold. *J Craniomaxillofac Surg*. 2018 Feb;46(2):222-229. doi: 10.1016/j.jcms.2017.11.004. **IF 2.03 / Q1**
4. **Duran Alonso MB**, Lopez Hernandez I, **de la Fuente MA**, **Garcia-Sancho J**, Giraldez F, **Schimmang T** (2018) Transcription factor induced conversion of human fibroblasts towards the hair cell lineage. *PLoS One*. 2018 Jul 6;13(7):e0200210. doi: 10.1371/journal.pone.0200210. eCollection 2018. **IF. 3.01 / Q1 D1**
5. Singer W, Manthey M, Panford-Walsh R, Matt L, Geisler HS, Passeri E, Baj G, Tongiorgi E, Leal G, Duarte CB, Salazar IL, Eckert P, Rohbock K, Hu J, Strotmann J, Ruth P, Zimmermann U, Rüttiger L, Ott T, **Schimmang T**, Knipper M (2018) BDNF-Live-Exon-Visualization (BLEV) Allows Differential Detection of BDNF Transcripts in vitro and in vivo. *Front Mol Neurosci*. 2018 Sep 27;11:325. doi: 10.3389/fnmol.2018.00325. eCollection 2018. **IF 4.34 / Q1**
6. Matt L, Eckert P, Panford-Walsh R, Geisler HS, Bausch AE, Manthey M, Müller NIC, Harasztosi C, Rohbock K, Ruth P, Friauf E, Ott T, Zimmermann U, Rüttiger L, **Schimmang T**, Knipper M, Singer W (2018) Visualizing BDNF Transcript Usage

During Sound-Induced Memory Linked Plasticity. *Front Mol Neurosci*. 2018 Jul 31;11:260. doi: 10.3389/fnmol.2018.00260. eCollection 2018. IF 4.34 / Q1

7. Beer-Hammer S, Lee SC, Mauriac SA, Leiss V, Groh IAM, Novakovic A, Piekorz RP, Bucher K, Chen C, Ni K, Singer W, Harasztosi C, **Schimmang T**, Zimmermann U, Pfeiffer K, Birnbaumer L, Forge A, Montcouquiol M, Knipper M, Nürnberg B, Rüttiger L (2018) Gai Proteins are Indispensable for Hearing. *Cell Physiol Biochem*. 2018;47(4):1509-1532. doi: 10.1159/000490867. IF 4.83 / Q1
8. Pascua-Maestro R, Corraliza-Gomez M, Diez-Hermano S, Perez-Segurado C, **Ganfornina MD**, **Sanchez D** (2018) The MTT-formazan assay: Complementary technical approaches and in vivo validation in Drosophila larvae. *Acta Histochem*. 2018 Apr;120(3):179-186. doi: 10.1016/j.acthis.2018.01.006. IF 1.74 / Q2
9. García-Mateo N, Pascua-Maestro R, Pérez-Castellanos A, Lillo C, **Sanchez D**, **Ganfornina MD** (2018) Myelin extracellular leaflet compaction requires apolipoprotein D membrane management to optimize lysosomal-dependent recycling and glycocalyx removal. *Glia*. 2018 Mar;66(3):670-687. doi: 10.1002/glia.23274. IF. 6.00 / Q1 D1
10. Fraile-Bethencourt E, Valenzuela-Palomo A, Díez-Gómez B, Acedo A, **Velasco EA** (2018) Identification of Eight Spliceogenic Variants in BRCA2 Exon 16 by Minigene Assays. *Front Genet*. 2018 May 24;9:188. doi: 10.3389/fgene.2018.00188. eCollection 2018. IF 3.78 / Q1
11. Fraile-Bethencourt E, Valenzuela-Palomo A, Díez-Gómez B, **Infante M**, **Durán M**, Marcos G, Lastra E, Gómez-Barrero S, **Velasco EA** (2018) Genetic dissection of the BRCA2 promoter and transcriptional impact of DNA variants. *Breast Cancer Res Treat*. 2018 May 15. doi: 10.1007/s10549-018-4826-7. IF 3.73 / Q1
12. Villate O, Ibarluzea N, Fraile-Bethencourt E, Valenzuela A, **Velasco EA**, Grozeva D, Raymond FL, Botella MP, Tejada MI (2018) Functional Analyses of a Novel Splice Variant in the CHD7 Gene, Found by Next Generation Sequencing, Confirm Its Pathogenicity in a Spanish Patient and Diagnose Him with CHARGE Syndrome. *Front Genet*. 2018 Jan 26;9:7. doi: 10.3389/fgene.2018.00007. eCollection 2018. IF 3.78 / Q1
13. Montalban G, Fraile-Bethencourt E, López-Perolio I, Pérez-Segura P, **Infante M**, **Durán M**, Alonso-Cerezo MC, López-Fernández A, Diez O, de la Hoya M, **Velasco EA**, Gutiérrez-Enríquez S (2018) Characterization of spliceogenic variants located in regions linked to high levels of alternative splicing: BRCA2 c.7976+5G > T as a case study. *Hum Mutat*. 2018 Sep;39(9):1155-1160. doi: 10.1002/humu.23583. IF 4,52 / Q1
14. Velázquez C, Esteban-Cardenosa EM, Lastra E, Abella LE, de la Cruz V, **Lobatón CD**, **Durán M**, **Infante M** (2018) A PALB2 truncating mutation: Implication in

cancer prevention and therapy of Hereditary Breast and Ovarian Cancer. *Breast*. 2018 Nov 29;43:91-96. doi: 10.1016/j.breast.2018.11.010, IF 3.00 / Q1 D1

15. Velázquez C, Esteban-Cardenosa EM, Lastra E, Abella LE, de la Cruz V, **Lobatón CD, Durán M, Infante M** (2018) Unraveling the molecular effect of a rare missense mutation in BRIP1 associated with inherited breast cancer. *Mol Carcinog*. 2019 Jan;58(1):156-160. doi: 10.1002/mc.22910. IF 3.40 / Q2
16. Rebbeck TR...(Velazquez C).. et al. Mutational spectrum in a worldwide study of 29,700 families with BRCA1 or BRCA2 mutations. *Hum Mutat*. 2018 May;39(5):593-620. doi: 10.1002/humu.23406. IF 4,52 / Q1
17. García Del Río A, Delmiro A, Martín MA, Cantalapiedra R, Carretero R, Durántez C, Menegotto F, Morán M, Serrano-Lorenzo P, **De la Fuente MA, Orduña A, Simarro M** (2018) The Mitochondrial Isoform of FASTK Modulates Nonopsonic Phagocytosis of Bacteria by Macrophages via Regulation of Respiratory Complex I. *J Immunol*. 2018 Nov 15;201(10):2977-2985. doi: 10.4049/jimmunol.1701075. IF 4.539 / Q1
18. Elkhail A, Rodriguez Cetina Bieffer H, **de la Fuente MA** (2018) Impact of Metabolism on Immune Responses. *J Immunol Res*. 2018 Jul 26;2018:5069316. doi: 10.1155/2018/5069316. eCollection 2018. IF 3.37 / Q2
19. Rodriguez Cetina Bieffer H, Heinbokel T, Uehara H, Camacho V, Minami K, Nian Y, Koduru S, El Fatimy R, Ghiran I, Trachtenberg AJ, **de la Fuente MA, Azuma H, Akbari O, Tullius SG, Vasudevan A, Elkhail A** (2018). Mast cells regulate CD4(+) T-cell differentiation in the absence of antigen presentation. *J Allergy Clin Immunol*. 2018 Dec;142(6):1894-1908.e7. doi: 10.1016/j.jaci.2018.01.038. IF 6.94 / Q1 D1.
20. March GA, Gutiérrez MP, López I, Muñoz MF, Ortiz de Lejarazu R, **Simarro M, Orduña A, Bratos MÁ.** (2018) Epidemiological surveillance and wild-type MIC distribution of Legionella pneumophila in north-western Spain. 2003-2016. *Enferm Infecc Microbiol Clin*. 2018 Dec 24. pii: S0213-005X(18)30377-X. doi:10.1016/j.eimc.2018.11.006. IF 0.65 / Q4.
21. Cubero Á, Durántez C, Almaraz A, Fernández-Lago L, Gutiérrez MP, Castro MJ, Bratos MA, **Simarro M, March GA, Orduña A.** Usefulness of a single-assay chemiluminescence test (Tularaemia VIRCLIA IgG+IgM monotest) for the diagnosis of human tularemia. Comparison of five serological tests. *Eur J Clin Microbiol Infect Dis*. 2018 Apr;37(4):643-649. doi: 10.1007/s10096-017-3155-9. IF 2.88 / Q2