



**LISTADO DE ARTÍCULOS CIENTÍFICOS  
(desde 2013 a 2019)**

*LIST OF SCIENTIFIC PAPERS  
(from 2013 to 2019)*

- 1) Roy, A., Infantes-Lorenzo, J.A., Domínguez, M., Moreno, I., Pérez, M., García, N., García-Seco, T., Álvarez, J., Romero, B., Gortázar, C., de Juan, L., Domínguez, L., Bezos, J. 2020. Evaluation of a new enzyme-linked immunosorbent assay for the diagnosis of tuberculosis in goat milk. **Research in Veterinary Science** 128, 217-223.
- 2) Castillo-Cuenca, J.C., Díaz-Cao, J.M., Martínez-Moreno, Á., Cano-Terriza, D., Jiménez-Ruiz, S., Almería, S., García-Bocanegra, I. 2020. Seroepidemiology of *Toxoplasma gondii* in extensively raised Iberian pigs in Spain. **Preventive Veterinary Medicine** 175, 104854.
- 3) Estrada-Peña, A., Nava, S., Tarragona, E., Bermúdez, S., de la Fuente, J., Domingos, A., Labruna, M., Mosqueda, J., Merino, O., Szabó, M., Venzal, J.M., Guglielmone, A.A. 2019. Species occurrence of ticks in South America, and interactions with biotic and abiotic traits. **Scientific data** 6, 299.
- 4) de la Fuente, J., Contreras, M., Kasajja, P.D., Gortazar, C., Ruiz-Fons, J.F., Mateo, R., Kabi, F. 2019. Towards a multidisciplinary approach to improve cattle health and production in Uganda. **Vaccines** 7, 165.
- 5) Alberdi, P., Cabezas-Cruz, A., Prados, P.E., Rayo, M.V., Artigas-Jerónimo, S., de la Fuente, J. 2019. The redox metabolic pathways function to limit *Anaplasma phagocytophilum* infection and multiplication while preserving fitness in tick vector cells. **Scientific Reports** 9, 13236.
- 6) Artigas-Jerónimo, S., Alberdi, P., Villar Rayo, M., Cabezas-Cruz, A., Prados, P.J.E., Mateos-Hernández, L., de la Fuente, J. 2019. *Anaplasma phagocytophilum* modifies tick cell microRNA expression and upregulates isc-mir-79 to facilitate infection by targeting the Roundabout protein 2 pathway. **Scientific Reports** 9, 9073.
- 7) Tanner, E., White, A., Acevedo, P., Balseiro, A., Marcos, J., Gortázar, C. 2019. Wolves contribute to disease control in a multi-host system. **Scientific Reports** 9, 7940.
- 8) Lima-Barbero, J.F., Contreras, M., Mateos-Hernández, L., Mata-Lorenzo, F.M., Triguero-Ocaña, R., Sparagano, O., Finn, R.D., Strube, C., Price, D.R.G., Nunn, F., Bartley, K., Höfle, U., Boadella, M., Nisbet, A.J., de la Fuente, J., Villar, M. 2019. A vaccinology approach to the identification and characterization of *Dermanyssus gallinae* candidate protective antigens for the control of poultry red mite infestations. **Vaccines** 7, 190.
- 9) Young, M.R., Moraza, M.L., Ueckermann, E., Heylen, D., Baardsen, L.F., Lima-Barbero, J.F., Gal, S., Gavish-Regev, E., Gottlieb, Y., Roy, L., Recht, E., El Adouzi, M., Palevsky, E. 2019. Linking morphological and molecular taxonomy for the identification of poultry house, soil, and nest dwelling mites in the Western Palearctic. **Scientific Reports** 9, 5784.
- 10) Roy, A., Tomé, I., Romero, B., Lorente-Leal, V., Infantes-Lorenzo, J.A., Domínguez, M., Martín, C., Aguiló, N., Puentes, E., Rodríguez, E., De Juan, L., Risalde, M.A., Gortázar, C.,





- Domínguez, L., Bezos, J. 2019. Evaluation of the immunogenicity and efficacy of BCG and MTBVAC vaccines using a natural transmission model of tuberculosis. **Veterinary Research** 50, 82.
- 11) Soria-Meneses, P.J., Jurado-Campos, A., Montoro, V., Soler, A.J., Garde, J.J., Fernández-Santos, M.D.R. 2019. Ovine sperm DNA oxidation quantification using an 8-OHdG immunodetection assay. **Reproduction in Domestic Animals** 54, 59-64.
- 12) Iniesta-Cuerda, M., Sánchez-Ajofrín, I., García-Álvarez, O., Martín-Maestro, A., Peris-Frau, P., Ortiz, J.A., Fernández-Santos, M.R., Garde, J.J., Soler, A.J. 2019. Influence of foetal calf serum supplementation during in vitro embryo culture in Iberian red deer. **Reproduction in Domestic Animals** 54, 69-71.
- 13) Peris-Frau, P., Álvarez-Rodríguez, M., Martín-Maestro, A., Iniesta-Cuerda, M., Sánchez-Ajofrín, I., Garde, J.J., Rodríguez-Martínez, H., Soler, A.J. 2019. Comparative evaluation of DNA integrity using sperm chromatin structure assay and Sperm-Ovis-Halomax during in vitro capacitation of cryopreserved ram spermatozoa. **Reproduction in Domestic Animals** 54, 46-49.
- 14) Maside, C., Martínez, C.A., Cambra, J.M., Lucas, X., Martínez, E.A., Gil, M.A., Rodríguez-Martínez, H., Parrilla, I., Cuello, C. 2019. Supplementation with exogenous coenzyme Q10 to media for in vitro maturation and embryo culture fails to promote the developmental competence of porcine embryos. **Reproduction in Domestic Animals** 54, 72-77.
- 15) Díez-Delgado, I., Sevilla, I.A., Garrido, J.M., Romero, B., Geijo, M.V., Domínguez, L., Juste, R.A., Aranaz, A., de la Fuente, J., Gortazar, C. 2019. Tuberculosis vaccination sequence effect on protection in wild boar. **Comparative Immunology, Microbiology and Infectious Diseases** 66, 101329.
- 16) Cabezas-Cruz, A., Tonk, M., Bleackley, M.R., Valdés, J.J., Barrero, R.A., Hernández-Jarguín, A., Moutailler, S., Vilcinskis, A., Richard-Forget, F., Anderson, M.A., Rodríguez-Valle, M. 2019. Antibacterial and antifungal activity of defensins from the Australian paralysis tick, *Ixodes holocyclus*. **Ticks and Tick-borne Diseases** 10, 101269.
- 17) Lima-Barbero, J.F., Díaz-Sánchez, S., Sparagano, O., Finn, R.D., de la Fuente, J., Villar, M. 2019. Metaproteomics characterization of the alphaproteobacteria microbiome in different developmental and feeding stages of the poultry red mite *Dermanyssus gallinae* (De Geer, 1778). **Avian Pathology** 48, S52-S59.
- 18) Peris-Frau, P., Martín-Maestro, A., Iniesta-Cuerda, M., Sánchez-Ajofrín, I., Mateos-Hernández, L., Garde, J.J., Villar, M., Soler, A.J. 2019. Freezing-thawing procedures remodel the proteome of ram sperm before and after in vitro capacitation. **International Journal of Molecular Sciences** 20, 4596.
- 19) de la Fuente, J., Estrada-Peña, A. 2019. Why new vaccines for the control of ectoparasite vectors have not been registered and commercialized? **Vaccines** 7, 75.
- 20) Caballero-Gómez, J., Jiménez-Ruiz, S., Lopez-Lopez, P., Vicente, J., Risalde, M.A., Cano-Terriza, D., Frias, M., Barasona, J.A., Rivero, A., García-Bocanegra, I., Rivero-Juarez, A. 2019. Emergent subtype of hepatitis E virus genotype 3 in wild boar in Spain. **Transboundary and Emerging Diseases** 66, 1803-1808.



- 21) Fresco-Taboada, A., Risalde, M.A., Gortázar, C., Tapia, I., González, I., Venteo, Á., Sanz, A., Rueda, P. 2019. A lateral flow assay for the rapid diagnosis of *Mycobacterium bovis* infection in wild boar. **Transboundary and Emerging Diseases** 66, 2175-2179.
- 22) Díaz-Sánchez, S., Estrada-Peña, A., Cabezas-Cruz, A., de la Fuente, J. 2019. Evolutionary insights into the tick hologenome. **Trends in Parasitology** 35, 725-737.
- 23) van Hattem, J.M., Cabal, A., Arcilla, M.S., Alvarez, J., de Jong, M.D., Melles, D.C., Penders, J., Bootsma, M.C.J., van Genderen, P.J., Goorhuis, A., Grobusch, M., Molhoek, N., Oude Lashof, A.M.L., Stobberingh, E.E., Verbrugh, H.A., Schmidt, C.G., Schultz, C., COMBAT consortium. 2019. Risk of acquisition of human diarrhoeagenic *Escherichia coli* virulence genes in intercontinental travellers: A prospective, multi-centre study. **Travel Medicine and Infectious Disease** 31, 101362.
- 24) Ruiz-Ripa, L., Gómez, P., Alonso, C.A., Camacho, M.C., de la Puente, J., Fernández-Fernández, R., Ramiro, Y., Quevedo, M.A., Blanco, J.M., Zarazaga, M., Höfle, U., Torres, C. 2019. Detection of MRSA of lineages CC130-mecC and CC398-mecA and *Staphylococcus delphini*-Inu(A) in magpies and cinereous vultures in Spain. **Microbial Ecology** 78, 409-415.
- 25) Portier, J., Ryser-Degiorgis, M.-P., Hutchings, M.R., Monchâtre-Leroy, E., Richomme, C., Larrat, S., Van Der Poel, W.H.M., Dominguez, M., Linden, A., Santos, P.T., Warns-Petit, E., Chollet, J.-Y., Cavalerie, L., Grandmontagne, C., Boadella, M., Bonbon, E., Artois, M. 2019. Multi-host disease management: The why and the how to include wildlife. **BMC Veterinary Research** 15, 295.
- 26) Miller, M.A., Gortazar, C., Roos, E.O., Risalde, M.A., Johnathan-Lee, A., Sridhara, A.A., Lyashchenko, K.P. 2019. Serological reactivity to MPB83 and CFP10/ESAT-6 antigens in three suid hosts of *Mycobacterium bovis* infection. **Veterinary Microbiology** 235, 285-288.
- 27) Cano-Terriza, D., Almería, S., Caballero-Gómez, J., Díaz-Cao, J.M., Jiménez-Ruiz, S., Dubey, J.P., García-Bocanegra, I. 2019. Serological survey of *Toxoplasma gondii* in captive nonhuman primates in zoos in Spain. **Comparative Immunology, Microbiology and Infectious Diseases** 65, 54-57.
- 28) Jiménez-Ruiz, S., Paniagua, J., Isla, J., Martínez-Padilla, A.B., de los Ángeles Risalde, M., Caballero-Gómez, J., Cano-Terriza, D., Pujols, J., Arenas, A., García-Bocanegra, I. 2019. Description of the first Schmallenberg disease outbreak in Spain and subsequent virus spreading in domestic ruminants. **Comparative Immunology, Microbiology and Infectious Diseases** 65, 189-193.
- 29) Lima-Barbero, J.F., Sánchez, M.S., Cabezas-Cruz, A., Mateos-Hernández, L., Contreras, M., de Mera, I.G.F., Villar, M., de la Fuente, J. 2019. Clinical gamasoidosis and antibody response in two patients infested with *Ornithonyssus bursa* (Acari: Gamasida: Macronyssidae). **Experimental and Applied Acarology** 78, 555-564.
- 30) Hodžić, A., Mateos-Hernández, L., de la Fuente, J., Cabezas-Cruz, A. 2019. Delayed hypersensitivity reaction to mammalian galactose- $\alpha$ -1,3-galactose ( $\alpha$ -Gal) after repeated tick bites in a patient from France. **Ticks and Tick-borne Diseases** 10, 1057-1059.



- 31) Trentelman, J.J.A., Teunissen, H., Kleuskens, J.A.G.M., Van De Crommert, J., De La Fuente, J., Hovius, J.W.R., Schetters, T.P.M. 2019. A combination of antibodies against Bm86 and Subolesin inhibits engorgement of *Rhipicephalus australis* (formerly *Rhipicephalus microplus*) larvae in vitro. **Parasites and Vectors** 12, 362.
- 32) Caballero-Gómez, J., Rivero-Juarez, A., Cano-Terriza, D., Risalde, M.A., Lopez-Lopez, P., Frias, M., Jiménez-Ruiz, S., Rivero, A., García-Bocanegra, I. 2019. Survey for Hepatitis E virus infection in non-human primates in zoos in Spain. **Transboundary and Emerging Diseases** 66, 1771-1775.
- 33) Tanner, E., White, A., Lurz, P.W.W., Gortázar, C., Díez-Delgado, I., Boots, M. 2019. The critical role of infectious disease in compensatory population growth in response to culling. **American Naturalist** 194, E1-E12.
- 34) Moraga-Fernández, A., Chaligiannis, I., Cabezas-Cruz, A., Papa, A., Sotiraki, S., de la Fuente, J., G. Fernández de Mera, I. 2019. Molecular identification of spotted fever group Rickettsia in ticks collected from dogs and small ruminants in Greece. **Experimental and Applied Acarology** 78, 421-430.
- 35) Pedrero-Prieto, C.M., Flores-Cuadrado, A., Saiz-Sánchez, D., Úbeda-Bañón, I., Frontián-Rubio, J., Alcaín, F.J., Mateos-Hernández, L., De La Fuente, J., Durán-Prado, M., Villar, M., Martínez-Marcos, A., Peinado, J.R. 2019. Human amyloid- $\beta$  enriched extracts: Evaluation of in vitro and in vivo internalization and molecular characterization. **Alzheimer's Research and Therapy** 11, 56.
- 36) Mama, O.M., Ruiz-Ripa, L., Lozano, C., González-Barrio, D., Ruiz-Fons, J.F., Torres, C. 2019. High diversity of coagulase negative staphylococci species in wild boars, with low antimicrobial resistance rates but detection of relevant resistance genes. **Comparative Immunology, Microbiology and Infectious Diseases** 64, 125-129.
- 37) Barasona, J.A., Gortázar, C., de la Fuente, J., Vicente, J. 2019. Host richness increases tuberculosis disease risk in game-managed areas. **Microorganisms** 7, 182.
- 38) Balseiro, A., Oleaga, Á., Álvarez Morales, L.M., González Quirós, P., Gortázar, C., Prieto, J.M. 2019. Effectiveness of a calf-selective feeder in preventing wild boar access. **European Journal of Wildlife Research** 65, 38.
- 39) de La Fuente, J., Pacheco, I., Villar, M., Cabezas-Cruz, A. 2019. The alpha-Gal syndrome: New insights into the tick-host conflict and cooperation. **Parasites and Vectors** 12, 154.
- 40) Cabezas-Cruz, A., Espinosa, P., Alberdi, P., de la Fuente, J. 2019. Tick-Pathogen Interactions: The metabolic perspective. **Trends in Parasitology** 35, 316-328.
- 41) González-Barrio, D., Ruiz-Fons, F. 2019. *Coxiella burnetii* in wild mammals: A systematic review. **Transboundary and Emerging Diseases** 66, 662-671.
- 42) Zalazar, L., Pagola, P., Miró, M.V., Churio, M.S., Cerletti, M., Martínez, C., Iniesta-Cuerda, M., Soler, A.J., Cesari, A., De Castro, R. 2019. Bacterioruberin extracts from a genetically modified hyperpigmented *Haloferox volcanii* strain: antioxidant activity and bioactive properties on sperm cells. **Journal of Applied Microbiology** 126, 796-810.





- 43) Torrontegi, O., Alvarez, V., Hurtado, A., Sevilla, I.A., Höfle, U., Barral, M. 2019. Naturally avian influenza virus-infected wild birds are more likely to test positive for *Mycobacterium* spp. and *Salmonella* spp. **Avian Diseases** 63, 131-137.
- 44) Infantes-Lorenzo, J.A., Moreno, I., Roy, A., Rivalde, M.A., Balseiro, A., De Juan, L., Romero, B., Bezos, J., Puentes, E., Åkerstedt, J., Tessema, G.T., Gortázar, C., Domínguez, L., Domínguez, M. 2019. Specificity of serological test for detection of tuberculosis in cattle, goats, sheep and pigs under different epidemiological situations. **BMC Veterinary Research** 15, 70.
- 45) Mama, O.M., Ruiz-Ripa, L., Fernández-Fernández, R., González-Barrio, D., Ruiz-Fons, J.F., Torres, C. 2019. High frequency of coagulase-positive staphylococci carriage in healthy wild boar with detection of MRSA of lineage ST398-t011. **FEMS Microbiology Letters** 366, fny292.
- 46) Díaz-Sánchez, S., Hernández-Jarguín, A., Torina, A., de Mera, I.G.F., Blanda, V., Caracappa, S., Gortazar, C., de la Fuente, J. 2019. Characterization of the bacterial microbiota in wild-caught *Ixodes ventraloi*. **Ticks and Tick-borne Diseases** 10, 336-343.
- 47) Infantes-Lorenzo, J.A., Dave, D., Moreno, I., Anderson, P., Lesellier, S., Gormley, E., Dominguez, L., Balseiro, A., Gortázar, C., Dominguez, M., Salguero, F.J. 2019. New serological platform for detecting antibodies against *Mycobacterium tuberculosis* complex in European badgers. **Veterinary Medicine and Science** 5, 61-69.
- 48) Thomas, J., Infantes-Lorenzo, J.A., Moreno, I., Romero, B., Garrido, J.M., Juste, R., Domínguez, M., Domínguez, L., Gortazar, C., Rivalde, M.A. 2019. A new test to detect antibodies against *Mycobacterium tuberculosis* complex in red deer serum. **Veterinary Journal** 244, 98-103.
- 49) Torrontegi, O., Alvarez, V., Acevedo, P., Gerrikagoitia, X., Höfle, U., Barral, M. 2019. Long-term avian influenza virus epidemiology in a small Spanish wetland ecosystem is driven by the breeding anseriformes community. **Veterinary Research** 50, 4.
- 50) Casades-Martí, L., González-Barrio, D., Royo-Hernández, L., Díez-Delgado, I., Ruiz-Fons, F. 2019. Dynamics of Aujeszky's disease virus infection in wild boar in enzootic scenarios. **Transboundary and Emerging Diseases** 00, 1-18.
- 51) Contreras, M., Villar, M., De La Fuente, J. 2019. A vaccinomics approach for the identification of tick protective antigens for the control of *Ixodes ricinus* and *Dermacentor reticulatus* infestations in companion animals. **Frontiers in Physiology** 10, 977.
- 52) De Oya, N.J., Escribano-Romero, E., Camacho, M.-C., Blazquez, A.-B., Martín-Acebes, M.A., Höfle, U., Saiz, J.-C. 2019. A recombinant subviral particle-based vaccine protects magpie (*Pica pica*) against West Nile virus infection. **Frontiers in Microbiology** 10, 1133.
- 53) Díaz-Sánchez, S., Perrotta, A.R., Rockafellow, I., Alm, E.J., Okimoto, R., Hawken, R., Hanning, I. 2019. Using fecal microbiota as biomarkers for predictions of performance in the selective breeding process of pedigree broiler breeders. **PLoS One** 14, e0216080.
- 54) Contreras, M., Kasaija, P.D., Merino, O., De La Cruz-Hernandez, N.I., Gortazar, C., De La Fuente, J. 2019. Oral vaccination with a formulation combining *Rhipicephalus*





*microplussubolesin* with heat inactivated *Mycobacterium bovis* reduces tick infestations in cattle. **Frontiers in Cellular and Infection Microbiology** 9, 45.

- 55) Štiavnická, M., García-Álvarez, O., Ulčová-Gallová, Z., Sutovsky, P., Abril-Parreño, L., Dolejšová, M., Řimnáčová, H., Moravec, J., Hošek, P., Lošan, P., Gold, L., Fenclová, T., Králíčková, M., Nevoral, J. 2019. H3K4me2 accompanies chromatin immaturity in human spermatozoa: an epigenetic marker for sperm quality assessment. **Systems Biology in Reproductive Medicine** 3, 1-9.
- 56) Queirós, J., Villar, M., Hernández-Jarguín, A., López, V., Fernández de Mera, I., Vicente, J., Alves, P.C., Gortazar, C., Fuente, J.D.L. 2019. A metaproteomics approach reveals changes in mandibular lymph node microbiota of wild boar naturally exposed to an increasing trend of *Mycobacterium tuberculosis* complex infection. **Tuberculosis** 114, 103-112.
- 57) Antunes, S., Couto, J., Ferrolho, J., Sanches, G.S., Charrez, J.O.M., De La Cruz Hernández, N., Mazuz, M., Villar, M., Shkap, V., De La Fuente, J., Domingos, A. 2019. Transcriptome and proteome response of *Rhipicephalus annulatus* tick vector to *Babesia bigemina* infection. **Frontiers in Physiology** 10, 318.
- 58) Thomas, J., Infantes-Lorenzo, J.A., Moreno, I., Cano-Terriza, D., de Juan, L., García-Bocanegra, I., Domínguez, L., Domínguez, M., Gortázar, C., Rivalde, M.A. 2019. Validation of a new serological assay for the identification of *Mycobacterium tuberculosis* complex-specific antibodies in pigs and wild boar. **Preventive Veterinary Medicine** 162, 11-17.
- 59) Manjunathachar, H.V., Kumar, B., Saravanan, B.C., Choudhary, S., Mohanty, A.K., Nagar, G., Chigure, G., Ravi Kumar, G.V.P.P.S., de la Fuente, J., Ghosh, S. 2019. Identification and characterization of vaccine candidates against *Hyalomma anatolicum*—Vector of Crimean-Congo haemorrhagic fever virus. **Transboundary and Emerging Diseases** 66, 422-434.
- 60) Queirós, J., Acevedo, P., Santos, J.P.V., Barasona, J., Beltran-Beck, B., González-Barrio, D., Armenteros, J.A., Díez-Delgado, I., Boadella, M., de Mera, I.F., Ruiz-Fons, J.F., Vicente, J., de la Fuente, J., Gortázar, C., Searle, J.B., Alves, P.C. 2019. Red deer in Iberia: Molecular ecological studies in a southern refugium and inferences on European postglacial colonization history. **PLoS ONE** 14, e0210282.
- 61) Franco-Martínez, L., Villar, M., Tvarijonaviciute, A., Escribano, D., Bernal, L.J., Cerón, J.J., Thomas, M.D.C., Mateos-Hernández, L., Tecles, F., de la Fuente, J., López, M.C., Martínez-Subiela, S. 2019. Serum proteome of dogs at subclinical and clinical onset of canine leishmaniosis. **Transboundary and Emerging Diseases**. 67, 318-327.
- 62) Artigas-Jerónimo, S., Estrada-Peña, A., Cabezas-Cruz, A., Alberdi, P., Villar, M., De La Fuente, J. 2019. Modeling modulation of the tick regulome in response to *Anaplasma phagocytophilum* for the identification of new control targets. **Frontiers in Physiology** 10, 462.
- 63) Calero-Bernal, R., Santín, M., Maloney, J.G., Martín-Pérez, M., Habela, M.A., Fernández-García, J.L., Figueiredo, A., Nájera, F., Palacios, M.J., Mateo, M., Balseiro, A., Barral, M., Lima-Barberoi, J.F., Köster, P.C., Carmena, D. 2019. *Blastocystis* sp. Subtype Diversity in



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- 64) Cabezas-Cruz, A., Hodžić, A., Román-Carrasco, P., Mateos-Hernández, L., Duscher, G.G., Sinha, D.K., Hemmer, W., Swoboda, I., Estrada-Peña, A., De La Fuente, J. 2019. Environmental and molecular drivers of the  $\alpha$ -Gal syndrome. *Frontiers in Immunology* 10, 1210.
- 65) Murgia, M.V., Bell-Sakyi, L., de la Fuente, J., Kurtti, T.J., Makepeace, B.L., Mans, B., McCoy, K.D., Munderloh, U., Plantard, O., Rispe, C., Valle, M.R., Tabor, A., Thangamani, S., Thimmapuram, J., Hill, C.A. 2019. Meeting the challenge of tick-borne disease control: A proposal for 1000 *Ixodes* genomes. *Ticks and Tick-borne Diseases* 10, 213-218.
- 66) Queirós, J., Alves, P.C., Vicente, J., Gortázar, C., De La Fuente, J. 2018. Genome-wide associations identify novel candidate loci associated with genetic susceptibility to tuberculosis in wild boar. *Scientific Reports* 8, 980.
- 67) Lopez, V., van der Heijden, E., Villar, M., Michel, A., Alberdi, P., Gortázar, C., Rutten, V., de la Fuente, J. 2018. Comparative proteomics identified immune response proteins involved in response to vaccination with heat-inactivated *Mycobacterium bovis* and mycobacterial challenge in cattle. *Veterinary Immunology and Immunopathology* 206, 54-64.
- 68) Cabezas-Cruz, A., Espinosa, P.J., Alberdi, P., Šimo, L., Valdés, J.J., Mateos-Hernández, L., Contreras, M., Rayo, M.V., de la Fuente, J. 2018. Tick galactosyltransferases are involved in  $\alpha$ -Gal synthesis and play a role during *Anaplasma phagocytophilum* infection and *Ixodes scapularis* tick vector development. *Scientific Reports* 8, 14224.
- 69) Álvarez-Alonso, R., Barandika, J.F., Ruiz-Fons, F., Ortega-Araiztegi, I., Jado, I., Hurtado, A., García-Pérez, A.L. 2018. Stable levels of *Coxiella burnetii* prevalence in dairy sheep flocks but changes in genotype distribution after a 10-year period in northern Spain. *Acta Veterinaria Scandinavica* 60, 75.
- 70) Artigas-Jerónimo, S., Villar, M., Cabezas-Cruz, A., Valdés, J.J., Estrada-Peña, A., Alberdi, P., De La Fuente, J. 2018. Functional evolution of subolesin/akirin. *Frontiers in Physiology* 9, 1612.
- 71) Queirós, J., Vicente, J. 2018. Inbreeding shapes tuberculosis progression in female adult badgers (*Melesmeles*). *Journal of Animal Ecology* 87, 1497-1499.
- 72) Cano-Terriza, D., Risalde, M.A., Rodríguez-Hernández, P., Napp, S., Fernández-Morente, M., Moreno, I., Bezos, J., Fernández-Molera, V., Sáez, J.L., García-Bocanegra, I. 2018. Epidemiological surveillance of *Mycobacterium tuberculosis* complex in extensively raised pigs in the south of Spain. *Preventive Veterinary Medicine* 159, 87-91.
- 73) Carvajal-de la Fuente, V., Merino-Charrez, O., Tovar-Carman, E., Rodríguez-Camarillo, S.D., Lagunes-Quintanilla, R.E., Muñoz-Tenería, F.A., Contreras, M., de la Fuente, J. 2018. Differential expression analysis for subolesin in *Rhipicephalus microplus* infected with *Anaplasma marginale*. *Experimental and Applied Acarology* 76, 229-241.
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