



UNIVERSIDAD DE CÓRDOBA



FACULTAD DE VETERINARIA



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LÍNEAS DE INVESTIGACIÓN

- Diagnóstico y control de enfermedades porcinas
- Inmunopatogenia del Síndrome Reproductivo y Respiratorio Porcino
- Diagnóstico y control de tuberculosis en animales de producción
- Enfermedades zoonóticas en animales de producción: *Salmonella*, *Listeria*, *Campylobacter*, *Toxoplasma*

PROYECTOS DE INVESTIGACIÓN

- RTC-2017- 6601-2, Recovery of new vaccines against respiratory pathogens to reduce the use of antibiotics in pigs. Ministerio de Ciencia, Innovación y Universidades. Jaime Gómez-Laguna e Irene M. Rodríguez-Gómez. 01/01/2018-31/12/2019. 180,747.49 €.
- GOP21-CO-16-0010, New measures and techniques to control bovine tuberculosis in Andalusia. Consejería de Agricultura, Pesca y Desarrollo Rural. Junta de Andalucía. 01/01/2018-31/12/2019. 135.470,91 €.
- AGL2016-76111-R, Characterization of the transcriptome of pulmonary alveolar macrophages during the early stages of in vivo infection with PRRSV-1 strains of differing virulence Ministerio de Economía y Competitividad. Jaime Gómez Laguna y Librado Carrasco Otero. (Universidad de Córdoba). 01/01/2017-31/12/2019. 108.900 €.
- Development of versatile on-field and on-lab multiplex diagnostic tests for relevant infections of swine EUROSTARS. EUROSTARS. (Inmunología Genética y Aplicada, S.A.). 04/2016- 03/2019. 1.709.319,97 €. Co-ordinator
- AGR 2685, Caseous lymphadenitis in free-range pigs: Development and evaluation of rapid diagnostic tools Secretaría General de Universidades, Investigación y Tecnología. Excellence Projects. Jaime Gómez Laguna. (CICAP - Food Research Centre). 2013- 2015. 120.569 €.
- 1111045, Cytokines importance in the development of lung lesions of experimentally challenged pigs with *Actinobacillus pleuropneumoniae* and the use of acute phase proteins as a health indicator FONDECYT - Fondo Nacional de Desarrollo Científico y Tecnológico, Gobierno de Chile. FONDECYT. Manuela Quezada Orellana. (Universidad de Concepción). 03/2011-03/2014. 146.653 €.
- FP7-228393, Valoration of a new recombinant protein as vaccine candidate against *Streptococcus suis* infection in pigs (WELLVAC-SUIS) NADIR- The Network of Animal Diseases Infectiology Research facilities. NADIR Transnational Access. Inmaculada Luque Moreno. (DTU National Veterinary Institute). 12/02/2013-12/02/2014.

PUBLICACIONES/OTRAS ACTIVIDADES

- I.M. Rodríguez-Gómez; et al. (6/6). 2019. Virulent Lena strain induced an earlier and stronger downregulation of CD163 in bronchoalveolar lavage cells. *Veterinary Microbiology*. Elsevier. 235, pp. 101-109.
- J.M. Sánchez-Carvajal; et al. (8/8). 2019. Kinetics of the expression of CD163 and CD107a in the lung and tonsil of pigs after infection with PRRSV-1 strains of different virulence. *Veterinary Research Communications*. Springer. 43(3), pp. 187-195
- G. Ogno; et al. (9/9). 2019. Impact of PRRSV strains of different in vivo virulence on the macrophage population of the thymus. *Veterinary Microbiology*. Elsevier. 232, pp.137-145.
- S. Álvarez-Pérez; et al. (4/9). 2018. Distribution and tracking of *Clostridium difficile* and *Clostridium perfringens* in a free-range pig abattoir and processing plant. *Food Res Int*. 2018 Nov;113:456-464
- S.P. Amarilla; et al. (7/2). 2017. Porcine reproductive and respiratory syndrome type 1 viruses induce hypoplasia of erythroid cells and myeloid cell hyperplasia in the bone marrow of experimentally infected piglets independently of the viral load and virulence *Veterinary Microbiology*. 201, pp.126-135.
- F. Cardoso-Toset; et al. (14/14). 2017. Evaluation of five serologic assays for bovine tuberculosis surveillance