

## CURRICULUM VITAE ABREVIADO (CVA)

### Part A. PERSONAL INFORMATION

|  |                     |                         |  |
|--|---------------------|-------------------------|--|
| First name                                     | Carmen              |                         |  |
| Family name                                    | Tarradas Iglesias   |                         |  |
| Gender (*)                                     | Female              | Birth date (dd/mm/yyyy) |  |
| Social Security, Passport, ID number           |                     |                         |  |
| e-mail   | Sa1taigc@uco.es     | URL Web                 |  |
| Open Researcher and Contributor ID (ORCID) (*) | 0000-0001-6768-1371 |                         |  |

#### A.1. Current position

|                   |  |                                |               |
|-------------------|--|--------------------------------|---------------|
| Position          | Full Professor   |                                |               |
| Initial date      | 03/2016  |                                |               |
| Institution       | University of Cordoba                                  |                                |               |
| Department/Center | Animal Health Department                               | Faculty of Veterinary Medicine |               |
| Country           | Spain  | Teleph. number                 | +34 957218728 |
| Key words         | Animal health, diagnosis, control, infectious diseases |                                |               |

#### A.2. Previous positions (research activity interruptions, indicate total months)

| Period    | Position/Institution/Country/Interruption cause |
|-----------|---|
| 1990-1995 | Assistant Professor. University of Cordoba      |
| 1995-2016 | Associate Professor. University of Cordoba      |

#### A.3. Education

| PhD, Licensed, Graduate       | University/Country    | Year |
|-------------------------------|-----------------------|------|
| Degree in Biological Science  | University of Cordoba | 1984 |
| Degree in Veterinary Medicine | University of Cordoba | 1989 |
| Veterinary Medicine PhD       | University of Cordoba | 1993 |

### Part B. CV SUMMARY

Degree in Biological Sciences and Veterinary Medicine and Doctor in Veterinary Medicine. Currently, she is a Professor of Department of Animal Health of the University of Córdoba and evaluator of the Acredita Program ANECA PhD. Since January 2010, she has a Diploma in Swine Pathology from the ECPHM (European Faculty of Swine Health Management). Member of the EAEVE Group (European Association of Establishments for Veterinary Education) and external evaluator of the UNIA Master's Degree. From June 2019 to September 2022, she has held the position of Delegate of the Rector for the companies owned by the UCO (Counselor Delegate. Position administratively equipped to Vice Chancellor). Among other positions, she has been part of the Plan Strategy of the Province of Córdoba and the OECD, representing the transfer process of the University of Cordoba. She has published more than 160 research papers in different national and international journals. International, in addition to a significant number of communications to Congresses in different disciplines. Likewise, since she joined the university, she has led and participated in different projects of research of competitive calls, emphasizing in recent years in the calls for collaborative projects (CTA, CDTI, Interconecta, Innpackto). She has led and participated in different projects of research among which we highlight Project FP7-228393 (NADIR project N 49-WELLVAC-SUIS) and other collaborative projects (Biodhesa, SAFEPORK or lymphadenitis of the Iberian pig financed by the MAGRAM). Currently, she is IP of one of the actions included in the operational group of the Board of Andalusia Innotuber and Responsible since 2008 of the PAIDI Group (AGR-256) called Animal Health: Diagnosis and Control of diseases. Throughout her teaching and research career, she has received awards, reviewed research papers, as well as undergraduate theses, Master's thesis and doctoral theses. She has contributed to different teaching tasks, currently being responsible and coordinator of the subject taught in the 5th year of the Degree in Veterinary Medicine, Preventive Medicine and Health Policy. On the other hand, she has used since obtaining her PhD degree in different Doctorate and Master Courses. She is currently the

coordinator of the Zoonosis: Transmission and Emergency subject included in the Master of Health Public Veterinary taught by the UCO. In postgraduate training, she is a member of the Advisory Commission of teacher of this same Master and president of the Quality Commission. Within the work in the field of management in R+D+i from 2006 to 2017 (11 years) she has held the one-person position of Director of the OTRI of the University of Córdoba. Responsible during 10 years of the ISO-9001 Quality System of the OTRI of the UCO. On the other hand, along this same line, she has been Coordinator of the ROA (Red OTRI de Andalucía), a network that promotes and brings together the transfer of knowledge made from the 9 Andalusian public universities to society. He has led the Project EUROPROJECT 2007 of the Ministry of Innovation, Science and Business of the Junta de Andalucía, the Plan of Drag (project convened by the Junta de Andalucía to encourage the participation of SMEs in Projects International) and the project called PETRA of MINCIN, in addition to several Complementary Actions of the Junta de Andalucía in terms of transfer, without forgetting other projects for calls competitive. In collaboration with other knowledge agents, she has been responsible on behalf of the UCO for two projects carried out with the Technological Corporation of Andalusia (CTA), called PATENCTA-2010 and PATENT-2012. On the other hand, the agreements and contracts signed by her as a researcher should be highlighted with the Junta de Andalucía over 4 years within the program called Formation of scientific popularizers essential today to value good research and transfer of our groups. She has been responsible for 2 MINECO projects within the National Guarantee System Juvenile and three scholarship holders awarded in a competitive call by the Youth Employment Plan of the Board of Andalusia (Youth Guarantee). She has been a member of different academic and investigative courts, including She has been part of the evaluation committee of the I and II Avedila research prize, member of the jury evaluator of the SYVA award for the best doctoral thesis in Animal Health (2019) and has been part of the jury Evaluator of the prize for the best university record of the Fundación Caja Rural del Sur in the 5 editions convened to date (2018-2022). In the last two years she has participated as President of the Commission of health in the Requalification Program of the University of Córdoba (2021-2022 call).

## Part C. RELEVANT MERITS

### C.1. Publications

- Larenas-Muñoz, F., Sánchez-Carvajal, J.M., Galán-Relaño, Á., [...], Gómez-Laguna, J. (9/12). The role of histopathology as a complementary diagnostic tool in the monitoring of Bovine Tuberculosis. *Front. Vet. Sci.*, 9, 816190. 2022. Doi: 10.3389/fvets.2022.816190
- J.M. Sánchez-Carvajal, Á. Galán-Relaño, I. Ruedas-Torres, F. Jurado-Martos, **C. Tarradas**, I. Luque. Real-Time PCR Validation for *Mycobacterium tuberculosis* Complex Detection Targeting IS6110 Directly From Bovine Lymph Nodes. *Front. Vet. Sci.*, 8, 643111. 2021. DOI: 10.3389/fvets.2021.643111
- de Aguiar FC, Solarte AL, Gómez-Gascón L, I. Luque, **Tarradas C**, Huerta B. Antimicrobial susceptibility of cinnamon and red and common thyme essential oils and their main constituent compounds against *Streptococcus suis*. October 2021. *Letters in Applied Microbiology*. Follow journal. DOI: [0.1111/lam.13582](https://doi.org/10.1111/lam.13582).
- Gómez-Laguna, Jaime; Morales-Partera, A.M.; Cardoso-Toset, Fernando; Luque-Moreno, Inmaculada; **Tarradas-Iglesias, C.**; Hernandez-Garcia, Manuela. Effect of *Pediococcus acidilactici* on performance parameters and intestinal microbiota in pigs. *Veterinary Record*. *Vet Rec.* 2020 Sep 19;187(6): e45. doi: 10.1136/vr.105591. Epub 2020 Apr 23.
- Galán-Relaño, Ángela; Gómez-Gascón, Lidia; Barrero - Domínguez, Belén; Luque-Moreno, Inmaculada; Jurado, Francisco Luis; Vela-alonso, Ana Isabel; Sanz-tejero, Celia; **Tarradas-Iglesias, Carmen**. Antimicrobial susceptibility of *Trueperella pyogenes* isolated from food-producing ruminants. *Vet Microbiol.* 2020. 242:1-6. DOI: 10.1016/j.vetmic.2020.108593
- Solarte A-L., Astorga R, de Aguiar, F. **Tarradas, C.**, Luque, I., Huerta B. Reduced Susceptibility of *Salmonella* Typhimurium Strains to Oregano Essential Oil and Enrofloxacin: An *In Vitro* Assay. *Foodborne Pathog Dis.* 2020. Jan ;17(1):29-34. DOI: 10.1089/fpd.2019.2635
- Galán-Relaño Á, Gómez-Gascón L, Luque I, Barrero-Domínguez B, Casamayor A, Cardoso-Toset F, Vela AI, Fernández-Garayzábal JF, **Tarradas C**. Antimicrobial susceptibility and genetic characterization of *Trueperella pyogenes* isolates from pigs reared under intensive

and extensive farming practices. *Vet Microbiol.* 2019. May; 232:89-95. DOI: 10.1016/j.vetmic.2019.04.011

- de Aguiar FC, Solarte AL, **Tarradas C**, Gómez-Gascón L, Astorga R, Maldonado A, Huerta B. Combined effect of conventional antimicrobials with essential oils and their main components against resistant *Streptococcus suis* strains. *Lett Appl Microbiol.* 2019; 68(6):562-572. DOI: 10.1111/lam.13151. Epub 2019 Apr 25.
- A.M. Morales-Partera, F. Cardoso-Toset, I. Luque, R.J. Astorga, A. Maldonado, S. Herrera-León, M. Hernández, J. Gómez-Laguna, **C. Tarradas**. Prevalence and diversity of *Salmonella* spp., *Campylobacter* spp., and *Listeria monocytogenes* in two free-range pig slaughterhouses, *Food Control*, 92: 208-215, 2018, DOI: 10.1016/j.foodcont.2018.04.053.
- de Aguiar Fabiana, A. Solarte, **Carmen Tarradas**, Inmaculada Luque, Alfonso Maldonado, Angela Galán-Relaño, Belén Barrero-Dominguez and Belén Huerta. Antimicrobial activity of selected essential oils against *Streptococcus suis* isolated from pigs. *Microbiologyopen*. 2018 Mar 24; e00613. DOI: 10.1002/mbo3.613.

## C.2. Congress

- Vera-Salmoral E, Sanchez-Carvajal JM, Mena-Rodríguez MA, Gómez-Gascón L, Luque I, **Tarradas C**, Maldonado A, Huerta B. Application of control measures in a free-ranged pig farm with a background of porcine lymphadenitis. XIII International Scientific Agriculture Symposium. **2022**. Jahorina (Bosnia and Herzegovina). Poster
- Morales-Partera, Ángela María; Cardoso, Fernando; Jurado, Francisco Luis; Huerta-Lorenzo, Belen; Luque-Moreno, Inmaculada; **Tarradas-Iglesias, Carmen**; Astorga-Márquez, Rafael Jesús; Gómez-Laguna, Jaime. Survival of *Salmonella*, *Campylobacter* and *Listeria* on dry cured pork loins. 13S International Symposium *Salmonella* and *Salmonellosis*, 24/09/2018 - 26/09/2018. SAINT-MALO (France). Tipo de participación: Poster
- De Aguiar, Fabiana Carolina; Solarte-portilla, Ana Lucía; **Tarradas-Iglesias, Carmen**; Luque-Moreno, Inmaculada; Maldonado-García, Alfonso; Astorga-Márquez, Rafael Jesús; Barrero - Domínguez, Belén; Galán-Relaño, Ángela; Huerta-Lorenzo, Belen. Antimicrobial effect of cinnamaldehyde, carvacrol and thymol and their combined effect with penicillin and trimethoprim-sulfamethoxazole against resistant *Streptococcus suis* strains. V International Conference on Antimicrobial Research-ICAR2018, 24/05/2018 - 25/05/2018. Málaga, España. Tipo de participación: Poster en Congreso
- Galán-Relaño, Ángela; Barrero - Domínguez, Belén; Casamayor, Almudena; Cardoso-Toset, Fernando; Fernández-garayzábal, José Francisco; Luque-Moreno, Inmaculada; Vela-alonso, Ana Isabel; **Tarradas-Iglesias, Carmen**. Antimicrobial susceptibility and genetic diversity of *Trueperella pyogenes* isolated from pigs in Spain. 10th European Symposium of Porcine Health Management, 09/05/2018 - 11/05/2018. Barcelona, España. Tipo de participación: Poster en Congreso
- De Aguiar, Fabiana C.; Solarte, Ana L.; Huerta-Lorenzo, Belen; **Tarradas-Iglesias, Carmen**; Rodríguez-Ortega, Manuel José; Sáez, J.a.; Luque-Moreno, Inmaculada. Antibacterial activity of rhodomyrtone against *Streptococcus suis*. 10th European Symposium of Porcine Health Management, 09/05/2018 - 11/05/2018. BARCELONA, Spain. Tipo de participación: Poster en Congreso
- De Aguiar, Fabiana C.; Solarte, Ana L.; **Tarradas-Iglesias, Carmen**; Luque-Moreno, Inmaculada; Astorga-Márquez, Rafael Jesús; Maldonado-García, Alfonso; Huerta-Lorenzo, Belen. Combined effect of gentamicin and oxytetracycline with essential oils and their main components against resistant *Streptococcus suis* strains. 10th European Symposium of Porcine Health Management, 09/05/2018 - 11/05/2018. BARCELONA, Spain. Tipo de participación: Poster en Congreso
- Sánchez-carvajal, José María; Galán-Relaño, Ángela; Barrero - Domínguez, Belén; Gómez-Laguna, Jaime; Cardoso-Toset, Fernando; Luque-Moreno, Inmaculada; **Tarradas-Iglesias, Carmen**; Carrasco-Otero, Librado; Rodríguez-Gómez, Irene Magdalena. Descripción de un brote de *Salmonella* Typhimurium multirresistente en una explotación cinegética de jabalíes del sur de España. XXII Simposio anual de Avedila 16/11/2017 - 17/11/2017. VALLADOLID, ESPAÑA. Tipo de participación:
- De Aguiar, Fabiana Carolina; Solarte, Ana Lucía; **Tarradas-Iglesias, Carmen**; Luque-Moreno, Inmaculada; Barrero - Domínguez, Belén; Huerta-Lorenzo, Belen. Combinations of essential oils and antibiotics against *Streptococcus suis*: a preliminary study. 12th

International Symposium of the Epidemiology and Control of Biological, Chemical and Physical Hazards in Pigs and Pork, 21/08/2017 - 24/08/2017. Foz do Iguacu, Brazil. Tipo de participación: Poster en Congreso

- Barrero-Domínguez, Belén; Luque-Moreno, Inmaculada; Huerta-Lorenzo, Belén; Galán -relaño, Angela; **Tarradas-Iglesias, Carmen**; Astorga-Márquez, Rafael Jesús. Antimicrobial resistance of *Staphylococcus* isolated from small ruminants in Andalusia (south -Spain): genetic study on *mecA* gene presence. Congress of the European Association of Veterinary Laboratory Diagnosticians, 06/11/2016 - 09/11/2016. Prague, Czech Republic. Tipo de participación: Comunicación oral

### C.3. Research projects

- AgroMIS-I and Agro-MIS II. Application and evaluation of inactivated autovaccines against the main responsible for zoonotic diseases: *Mycobacterium bovis*, *Trueperella pyogenes*, *Streptococcus suis*, *Streptococcus dysgalactiae* spp. *equisimilis* (A1122062E0\_AGROMIS). Consejería de Economía, Conocimiento, Empresas y Universidad EUR 18,750 and 65,500 respectively. 2020 and 2021
- Incentives to the agents of the Andalusian knowledge system. Principal Investigator of Line 2: innovations in the control of zoonoses in extensive livestock in the project: Design and evaluation of integrated control strategies for the control of swine in silvopastoral systems in communicable diseases in Andalusia livestock (AGROMIS I and II). Total: € 260,000.00.
- Aid for the Operation of the Operational Groups of the European Innovation Association (AEI) in terms of agricultural productivity and sustainability (operation 16.1.2.) New measures and techniques for the control of bovine tuberculosis in Andalusia. Call 2016 (Ref. GOP2I-CO-16-0010). Execution period: 02/15/2018 - 02/15/2020). Total amount of the project: € 238,316.30.
- MINECO: Support to the OTRI of the UCO. Tarradas-Iglesias, Carmen (University of Córdoba). 2015-2017. Ministry of Economy and Competitiveness (MINECO). Support to the UCO's international projects office (OPI). IP: Tarradas-Iglesias, Carmen (University of Córdoba). 2015-2017.
- EXCELLENCE PROJECT- Caseous lymphadenitis in pigs in extensive development and evaluation and rapid diagnostic tools. BOARD OF ANDALUSIA. 2014-2016.
- Caseous lymphadenitis in extensive porcine: development and evaluation of rapid diagnostic tools. MAGRAMA. IP: Gómez-Laguna, Jaime. 2014-2016. 120 569 EUR.
- WELLVAC-SUIS-Valoration of a new recombinant protein as vaccine candidate against *Streptococcus suis* infection in pigs. PF7. IP: Luque-Moreno, Inmaculada (UCO). 2013-2013. Amount: 33018.00 EUR.
- SAFEPORK-FOOD Zoonosis in the iberic pig: prevalence and control from the farm for the obtaining of safe food. Agencia Idea, Junta de Andalucía. Luque-Moreno, Inmaculada (University of Cordoba). 2012-2015. EUR 70 076.66.

### C.4. Contracts, technological or transfer merits

- IMMUNITY-UP: Mejora del estatus sanitario del ovino extensivo (CRO). Centro Tecnológico Agroalimentario del Valle de los Pedroches (CICAP). Duration: 2023. Amount: 22,143 €. Principal researcher (PR): Carmen Tarradas.
- Evaluation of the efficacy and safety of vaccines. Prevention of porcine pyobacillosis and diseases of the porcine respiratory complex. COVAP and SRC. Rf: 12019059. Period. 2018-2010. 30,000 euros
- Evaluation of the efficacy and safety of vaccines. COVAP and SRC. Luque-Moreno, Inmaculada (University of Córdoba). 2016-2017. 20,000 EUR.
- Salmonella Animal Health-INTERPORC Project (Phase II). PI: Rafael Astorga Márquez. RF: 12018039 (University of Córdoba)
- Selection and evaluation of plant extracts and essential oils with antimicrobial capacity against intestinal bacterial strains isolated in farms. Huerta-Lorenzo, Belén (UCO). 2016-2017. 15 730.00 EUR.
- Control strategies against lymphadenitis in extensive Iberian pigs. Tarradas-Iglesias, Carmen (University of Córdoba). 2014-2016. Amount: 75.625.00 EUR.