

CURRICULUM VITAE ABREVIADO (CVA)

Part A. PERSONAL INFORMATION

First name	Ana Isabel		
Family name	Vela Alonso		
Gender (*)	Female	Birth date (dd/mm/yyyy)	
Social Security, Passport, ID number			
e-mail	avela@ucm.es	URL Web	
Web or Science-Author profile		K-8015-2014	
ORCID		0000-0001-5004-3103	
Author ID-Scopus		7005273674	

(*) Mandatory

A.1. Current position

Position	Full professor		
Initial date	08/01/2021		
Institution	Universidad Complutense de Madrid (UCM)		
Department/Center	Animal Health	Faculty of Veterinary Medicine	
Country	Spain	Teleph. number	+34913913709
Key words	Veterinary Sciences, Animal Health, Microbiology		

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

Period	Position/Institution/Country/Interruption cause
1992-1995	Predoctoral Fellow/Faculty of Veterinary Medicine/University of Zaragoza/Spain
1997-2003	Postdoctoral Fellow/Faculty of Veterinary Medicine/UCM/Spain
2004-2008	Ramón y Cajal Contract/Faculty of Veterinary Medicine/ UCM /Spain
2008-2021	Associated Professor/ Faculty of Veterinary Medicine/ UCM /Spain
2021-present	Full Professor/ Faculty of Veterinary Medicine/ UCM /Spain

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD/Veterinary Medicine	University of Zaragoza/Spain	1996
Veterinary Graduate	University of Zaragoza/Spain	1988

(Include all the necessary rows)

Part B. CV SUMMARY (max. 5000 characters, including spaces)

Four acknowledged research periods, the last one granted in 2020. Her research activity has also been recognized with a favorable evaluation in the I3 Program. She has published about 128 scientific papers in reputed peer-reviewed scientific journals included in the JCR database; more than 60 in the 1º Quartile of the Microbiology and Veterinary Science databases. First, last or corresponding author in the 50% of scientific papers. The total citations to papers according to the Web of Science amounts is more than 2225 (the citations average per year is 94). Her h-index is 26. The average impact factor is 2,784 (3,271 in the last 12 months). She has also published another 35 monographies, book chapters or technical articles and has presented more than 80 communications to National and International Congresses, giving some conferences in national meetings. An Accésit and Honorable Mention (V ADITSIC Competition) and two awards (Jacumar and Anaporc). Twenty-five national and international research projects (six of them as principal researcher). More than 30-scientific/technical



projects with public institutions or private industries (four as Principal researcher). She has been Co/Director of 7 doctoral thesis graded with the highest qualification; two Thesis were awarded by the Royal Academy of Doctors. Another Thesis is currently in progress. She has also been research tutor of two youth employment contract on the program of the Community of Madrid. Finally, she has three teaching periods, the fourth will be requested the present year.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Publications (see instructions)

C1.1. Bacterial Taxonomy

- Fernández-Garayzábal JF, Miguela-Villoldo P, **Vela AI**. *Moraxella*. In Bergey's Manual of Systematics of Archaea and Bacteria (eds ME Trujillo, S Dedysh, P DeVos, B Hedlund, P Kämpfer, FA Rainey, WB Whitman). 2022. DOI: 10.1002/9781118960608.gbm01204.pub2 pp.1-28. ISBN: 9781118960608
- Fernández-Garayzábal JF, Miguela-Villoldo P, **Vela AI**. *Moraxellaceae*. In Bergey's Manual of Systematics of Archaea and Bacteria (eds ME Trujillo, S Dedysh, P DeVos, B Hedlund, P Kämpfer, FA Rainey, WB Whitman). 2022. DOI: 10.1002/9781118960608.fbm00231.pub2 pp.1-9 ISBN: 9781118960608

C1.2. Genetic characterization

- Maldonado-Barragán A, Alegría-Carrasco E, Blanco MDM, **Vela AI**, Fernández-Garayzábal, JF, Rodríguez JM, Gibello A. Garvicins AG1 and AG2: Two Novel Class IId Bacteriocins of *Lactococcus garvieae* Lg-Granada. Int J Mol Sci, 23:4685. 2022. DOI: [10.3390/ijms23094685](https://doi.org/10.3390/ijms23094685)
- Pastorino P, **Vela AI**, Colussi S,Prearo M. A (2/13). Summer Mortality Outbreak of Lactococcosis by *Lactococcus garvieae* in a Raceway System Affecting Farmed Rainbow Trout (*Oncorhynchus mykiss*) and Brook Trout (*Salvelinus fontinalis*). Animals. 9:1043. 2019. DOI: 10.3390/ani9121043
- Tejedor JL, **Vela AI**, Gibello A, Casamayor A, Domínguez L, Fernández-Garayzábal JF. A genetic comparison of pig, cow and trout isolates of *Lactococcus garvieae* by PFGE analysis. Letters Appl. Microbiol 53: 614-619. 2011. DOI: 10.1111/j.1472-765X.2011.03153.x.
- **Vela AI**, Vázquez J, Gibello A, Blanco MM, Moreno MA, Liébana P, Albendea C, Alcalá B, Mendez A, Domínguez L, Fernández-Garayzábal JF. Phenotypic and genetic characterization of *Lactococcus garvieae* isolated from lactococcosis outbreaks, and comparison with isolates of other countries and sources. J Clin Microbiol. 38: 3791-5. 2000. DOI: 10.1128/JCM.38.10.3791-3795.2000

C1.3. Mobile genetic elements

- Poirel L, Kieffer N, Fernandez-Garayzabal JF, **Vela AI**, Larpin Y, Nordmann P. MCR-2-mediated plasmid-borne polymyxin resistance most likely originates from *Moraxella pluranimalium*. J Antimicrob Chemother. 72:2947-2949. 2017. DOI: [10.1093/jac/dkx225](https://doi.org/10.1093/jac/dkx225)

C1.4. Antimicrobial resistance

- Galán-Relaño Á, Gómez-Gascón L, Barrero-Domínguez B, Luque I, Jurado-Martos F, **Vela AI**, Sanz-Tejero C, Tarradas C. Antimicrobial susceptibility of *Trueperella pyogenes* isolated from foodproducing ruminants. Vet Microbiol. 242:108593. 2020. DOI: 10.1016/j.vetmic.2020.108593
- Cid D, Fernández-Garayzábal JF, Pinto C, Domínguez L, **Vela AI**. Antimicrobial susceptibility of *Pasteurella multocida* isolated from sheep and pigs in Spain. Acta Veterinaria Hungarica 67:489-498. 2019. DOI: 10.1556/004.2019.48
- Galán-Relaño A, Gómez-Gascón L, Luque I,Tarradas C. (7/9) Antimicrobial susceptibility and genetic characterization of *Trueperella pyogenes* isolates from pigs reared under intensive and extensive farming practices. Vet Microbiol. 232:89-95. 2019. DOI: 10.1016/j.vetmic.2019.04.01

C.2. Congress, indicating the modality of their participation (invited conference, oral presentation, poster)

C2.1. Invited conference

- **Vela AI**. Diagnóstico, Identificación y Caracterización molecular. I Jornadas de Tecnologías Avanzadas en Vigilancia Sanitaria. Madrid 2017.
- Zamora L, Fernández-Garayzábal JF, Palacio MA, Sánchez-Porro C, Moore E, Domínguez L, Ventosa A, **Vela AI**. Géneros *Flavobacterium* and *Chryseobacterium*: aspectos taxonómicos y su papel como patógenos de peces. XXIII Congreso Nacional de Microbiología. Salamanca, 2011.

C2.2. Oral presentation

- **Vela AI**, Liebana P, Albendea C, Fernandez-Garayzabal JF. (1/11). Caracterización fenotípica y molecular de *Lactococcus garvieae*. XVII Congreso de la Sociedad Española de Microbiología. Granada. 1999.

C2.3. Poster

- Colussi S, **Vela AI**, Blanco MM,Fernandez-Garayzabal JF. (2/9) *Lactococcus garvieae* and *Lactococcus petauri*, two pathogens for the same disease. Aquaculture Europea. 27-30 Septiembre. 2022.
- Colussi S, Ozturk R, Sciuto S, Altinok I. (7/16) Detection of virulence factors In *L. garvieae* belonging to small-scale trout productions in the Mediterranean area. Aquaculture Europea 27-30 Septiembre. 2022.
- Acutis PL, Fariano L, Bergamino C,Sicuro B. (6/14). Reproductive performance of Rainbow trout (*Oncorhynchus mykiss*) associated to the Mhc-lib Gene. Aquaculture Europea 27-30 Septiembre. 2022.
- Colussi S, Ozturk RC, Ture M, Altinok I. (5/14). Phenotypic and genotypic antibiotic resistance of *Lactococcus garvieae* strains isolated from rainbow trout, *Oncorhynchus mykiss*, in the Mediterranean region. Aquaculture Europea 27-30 Septiembre. 2022.
- San Martin E, Perez-Sancho M, Camacho-Soguero I, Garcia N, **Vela AI**, Fernández-Garayzábal JF, Domínguez L. Antimicrobial Susceptibility of *Lactococcus garvieae* Isolates from Rainbow Trout (*Oncorhynchus mykiss*) in Spain. Med-Vet-Net Association 5th International Scientific Conference (OneHealth: Zoonoses-Emerging Threats Guildford, United Kingdom. 2017.
- Pérez-Sancho M, Casamayor A, Pulido E, Fernández-Garayzabal JF, Domínguez L, **Vela AI**. Identification and typing of *Lactococcus garvieae* based on MALDI TOF MS. 6TH Congress of European Microbiology. Maastricht, Países Bajos. 2015.
- Tejedor LJ, Palacios L, Zamora L, Sanchez V, Fernández-Garayzábal JF, **Vela AI**, Domínguez L. Nueva metodología para la detección en agua de *Lactococcus garvieae*. XII Congreso Nacional de Acuicultura. Madrid. 2009.

C.3. Research projects, indicating your personal contribution. In the case of young researchers, indicate lines of research for which they have been responsible.

Main researcher

- Vigilancia sanitaria S2009/AGR-1489. Programas de actividades de I + D entre grupos de investigación de la Comunidad de Madrid en Tecnologías. Comunidad de Madrid. 2011-2014. Program coordinator: Lucas Domínguez.
- Tecnologías Avanzadas en Vigilancia Sanitaria (TAVS) S2013/ABI-2747. Comunidad de Madrid. 2014-2017. Program coordinator: Lucas Domínguez.
- Nuevas alternativas para el tratamiento y control de la lactococosis (RTI2018-098530-B-I00). Ministerio de Ciencia, Innovación y Universidades. 2019-2021.
- Improving SUsustainability and PERformance of aquaculture farming system: breeding for lactococcosis resistance in rainbow TROUT (SUPERTROUT). PRIMA (Partnership for research and innovation in the Mediterranean Area). 2020-2023. Program coordinator: Acutis Pier Luigi.
- Puesta a punto y aplicación de un método para la detección de esporos de *Clostridium* dañados subletalmente en vacunas clostridiales e investigación de las consecuencias de

su inoculación en animales a través de vacunas contaminadas. PET2006_0196. Ministerio de Educación y Ciencia. 2007-2008.

- Caracterización molecular e inmunoproteómica de cepas clínicas de *Streptococcus suis* con el fin de desarrollar nuevas vacunas para luchar contra la infección en ganado porcino AGL2009-14303-C02-01. Ministerio de Ciencia e Innovación. 2010- 2012.

Collaborate researcher

- Tecnologías Avanzadas en Vigilancia Sanitaria (TAVS) (S2013/ABI-2747). Comunidad de Madrid. 2014-2017. Responsable PhD: Lucas Domínguez
- Promoting One Health in Europe through joint actions on foodborne zoonoses, antimicrobial resistance and emerging microbiological hazards) (773830). European Commission. 2018-2022. Program coordinator: Andre JESTIN (ANSES)
- Abordaje multidisciplinar de la infección, la sepsis y la terapia antimicrobiana (B110). Comunidad de Aragón. 2012. Responsable PhD: Carmen Aspiroz

C.4. Contracts, technological or transfer merits, include patents and other industrial or intellectual property activities (contracts, licenses, agreements, etc.) in which you have collaborated. Indicate: a) the order of signature of authors; b) reference; c) title; d) priority countries; e) date; f) Entity and companies that exploit the patent or similar information, if any

Main Researcher

- Patógenos potenciales: prevalencia y caracterización en instalaciones de reproductores de trucha arcoiris (*O. mykiss*) (388-2015). Ovapiscis S.A. 2016-2017.
- Evaluación de la eficacia y validación clínica e inmunológica en ovejas y ratones de la vacuna Gangre-Vac contra la infección por *Staphylococcus aureus* en ovejas. 213-12. Pfizer Olot S.L.U. 2013-2014.
- Evaluación de la eficacia y validación clínica e inmunológica en ovejas y ratones de la vacuna Capri-Vac contra la infección por *Mycoplasma agalactiae* en ovejas (204-2012). Pfizer Olot S.L.U. 2012-2014.

Collaborate researcher

- Diagnóstico y Vigilancia de procesos infecciosos bacterianos (Control de residuos y aguas) (202-2007). Truchas del Segre, S.A. 2007-2010.
- Diagnóstico y Control de enfermedades piscícolas (204-2007). Piscifactorías Andaluzas, S.A. 2007-2010.
- Diagnóstico y Vigilancia de procesos infecciosos bacterianos (Control de calidad en piensos) (205-2007). Dibaq Diproteg, S.A. 2007-2010.
- Diagnóstico y Vigilancia de procesos infecciosos bacterianos (207-2007). Piscifactoría Zorita Illana, S.L. 2007-2010.
- Enfermedades transmisibles en acuicultura y en especies de interés cinegético: diagnóstico, elaboración de autovacunas y control de piensos. Dibaq-Diproteg, S.A. 2003.
- Establecimiento de un programa de vigilancia veterinaria de zoonosis bacterianas (séptimo programa anual de vigilancia veterinaria de resistencias a antibióticos y primer programa de vigilancia de zoonosis) (74-2003). Ministerio de Agricultura, Pesca y Alimentación. 2003.
- Estudio de la presencia de agentes zoonóticos y resistentes a los antimicrobianos en los alimentos y aguas residuales, con especial referencia al Género *Salmonella* (333-2003). Consejería de Sanidad (Comunidad de Madrid). 2003