



ANTONIO VELARDE CALVO

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ABOUT ME

Dr. Antonio Velarde is Head of the Animal Welfare Program at IRTA and a veterinary specialist in Animal Welfare Science, Ethics, and Law, accredited by the European College of Animal Welfare and Behaviour Medicine. He serves as Deputy Coordinator of the European Reference Centre for the Welfare of Poultry and Other Small Farmed Animals (EURCAW-Poultry-SFA). From 2012 to 2024, Dr. Velarde was a member of the Animal Health and Animal Welfare Panel of the European Food Safety Authority (EFSA) and contributed to several EFSA working groups, including the recent one on broiler welfare (2023). Currently, he leads the development of a Knowledge Platform under the European Partnership on Animal Health and Welfare, designed to integrate, interpret, and share animal welfare data. He also participates in the HaDEA-funded project "*Study on Animal Welfare Indicators*", which aims to establish a cohesive set of indicators for monitoring welfare at farm, during transport, and at slaughter, as well as assessing the impact of CAP interventions on welfare improvement. Dr. Velarde has published more than 200 peer-reviewed papers in international journals (H-index: 56) and co-edited three books. He is co-author of the first paper introducing the concept of "One Welfare" and has actively contributed to related projects.

WORK EXPERIENCE

HEAD OF ANIMAL WELFARE PROGRAM – IRTA – 01/02/2009 – Current – MONELLS, SPAIN

- Senior Scientist
- Management of the Animal Welfare Program: 25 researchers and technicians
- Management International and national projects

SCIENTIFIC RESEARCHER – IRTA – 11/03/2002 – 31/01/2009 – MONELLS, SPAIN

- Coordination and development of studies in animal welfare

EDUCATION AND TRAINING

01/01/2011 – CURRENT

DIPLOMATE IN ANIMAL WELFARE SCIENCE, ETHICS AND LAW Diplomate in Animal Welfare Science, Ethics and Law

Website <https://www.ecawbm.org/> | Field of study Animal Welfare Science, Ethics and Law

13/11/2000 – CURRENT Bellaterra, Spain

PHD IN ANIMAL SCIENCE Universitat Autònoma de Barcelona

Website www.uab.cat | Field of study Animal Welfare

19/06/1995 – CURRENT Bellaterra, Spain

BSC IN VETERINARY MEDICINE Universitat Autònoma de Barcelona

Website www.uab.cat | Field of study Veterinary Medicine

LANGUAGE SKILLS

Mother tongue(s): **SPANISH** | **CATALAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2
GERMAN	B2	B2	B1	B1	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **SKILLS**

Project development and coordination | Funding application | Animal Welfare | Poultry welfare | leadership skills | Good listener and communicator | Team-work oriented

● **PUBLICATIONS**

2025
[Relevant indicators of consciousness after head-only electrical stunning in rabbits, stunning efficiency, and risk factors in commercial conditions](#)

Contreras-Jodar, A.; Michel, V.; Vinco, L.J.; Varvaró-Porter, A.; Velarde, A. 2025. Relevant indicators of consciousness after head-only electrical stunning in rabbits, stunning efficiency, and risk factors in commercial conditions. *Animals*, 15(4), 587.
Authors: Contreras-Jodar, A.; Michel, V.; Vinco, L.J.; Varvaró-Porter, A.; Velarde, A. | **Journal Name:** *Animals* | **Volume, Issue and Pages:** 15(4), p. 587

Link <https://doi.org/10.3390/ani15040587>

2024
[Animal welfare assessment protocol for quails reared for meat production](#)

Dalmau, A.; Padilla, L.; Varvaró-Porter, A.; Xercavins, A.; Velarde, A.; Contreras-Jodar, A. (2024). Animal welfare assessment protocol for quails reared for meat production. *Frontiers in Veterinary Science*.
Authors: Dalmau, A.; Padilla, L.; Varvaró-Porter, A.; Xercavins, A.; Velarde, A.; Contreras-Jodar, A. | **Journal Name:** *Frontiers in Veterinary Science*

Link <https://doi.org/10.3389/fvets.2024.1452109>

2024
[Alternatives to Carbon Dioxide in Two Phases for the Improvement of Broiler Chickens' Welfare during Stunning](#)

Rucinque, D.S.; Velarde, A.; Xercavins, A.; Varvaró-Porter, A.; Gibson, T.J.; Michel, V.; Contreras-Jodar, A. (2024). Alternatives to Carbon Dioxide in Two Phases for the Improvement of Broiler Chickens' Welfare during Stunning. *Animals*, 14, 486.
Authors: Rucinque, D.S.; Velarde, A.; Xercavins, A.; Varvaró-Porter, A.; Gibson, T.J.; Michel, V.; Contreras-Jodar, A. | **Journal Name:** *Animals* | **Volume, Issue and Pages:** 14, 486

Link <https://doi.org/10.3390/ani14030486>

2023
[Relevant Indicators of Consciousness after Waterbath Stunning in Turkeys and Stunning Efficiency in Commercial Conditions](#)

Contreras-Jodar, A.; Varvaró-Porter, A.; Velarde, A.; Michel, V. (2023). Relevant Indicators of Consciousness after Waterbath Stunning in Turkeys and Stunning Efficiency in Commercial Conditions. *Animals*, 13, 668.
Authors: Contreras-Jodar, A.; Varvaró-Porter, A.; Velarde, A.; Michel, V. | **Journal Name:** *Animals* | **Volume, Issue and Pages:** 13, 668

Link <https://doi.org/10.3390/ani13040668>

2022
[Inter-Observer Repeatability of Indicators of Consciousness after Waterbath Stunning in Broiler Chickens](#)

Contreras-Jodar, A.; Varvaró-Porter, A.; Michel, V.; Velarde, A. (2022). Inter-Observer Repeatability of Indicators of Consciousness after Waterbath Stunning in Broiler Chickens. *Animals*, 12, 1800.
Authors: Contreras-Jodar, A.; Varvaró-Porter, A.; Michel, V.; Velarde, A. | **Journal Name:** *Animals*, | **Volume, Issue and Pages:** 12, 1800

Link <https://doi.org/10.3390/ani12141800>

García Pinillos, R.; Appleby, M.C.; Manteca, X.; Scott-Park, F.; Smith, C.; Velarde, A. (2016). One Welfare. A platform for improving human and animal welfare. Veterinary Record, 179: 412–413.

Authors: García Pinillos, R.; Appleby, M.C.; Manteca, X.; Scott-Park, F.; Smith, C.; Velarde, A. | **Journal Name:** Veterinary Record | **Volume, Issue and Pages:** 179: 412–413

Link <https://doi.org/10.1136/vr.i5470>

PROJECTS

01/01/2024 – CURRENT

EUROPEAN PARTNERSHIP ANIMAL HEALTH AND WELFARE (EUP AHW)

European funded project under call HE-2023 EUP Animal Health and Welfare: 1) Chair of SOA09 which aims at creating a platform to collect animal welfare indicators for a holistic assessment and 2) SOA14 which aims at investigating in alternative stunning systems in poultry and pigs to increase the effectiveness...

Link <https://www.eupahw.eu/>

05/03/2025 – CURRENT

Study on animal welfare indicators.

European Union – European Health and Digital Executive Agency Specific Contract n. 3001116026 implementing framework contract No SANTE/2021/OP/0002. Develop a cohesive set of indicators that enables monitoring animal welfare at farm, transport and slaughter, as well as to assess the impact of relevant CAP interventions on improving animal welfare

01/06/2023 – CURRENT

Gas stunning in broilers chickens and rabbits: animal welfare and meat quality assessment (GASWELL)

Spanish Ministry of Science and Innovation call, State Investigation Agency, Project reference PID2022-137679OB-I00. 2023-2027.

01/01/2022 – 31/12/2024

Digital technologies to support producers on the health and animal welfare assessment in meat poultry (D-AWARE)

Generation of a simple app for farm welfare risk assessment and predictive capacity on health, welfare and productivity variables at farm level. Spanish Ministry of Science and Innovation, State Investigation Agency for Proof of Concept projects call, project reference PDC2022-133081-C22. 2022-2024.

01/02/2020 – CURRENT

European Centre for Animal Welfare in Poultry and Small Species (EURCAW-Poultry-SFA)

European Centre for Animal Welfare in Poultry and Small Species (EURCAW-Poultry-SFA). In the context of the regulation 2017/625 about official controls (art. 95) to support the European Commission and member states in the applications of legislation regarding poultry and other small farmed animals' welfare.

Link <https://www.eurcaw-poultry-sfa.eu>

01/08/2022 – CURRENT

BroilerNet. Practice and Science Broiler Production Innovation Network

Union's Horizon Europe research and innovation programme under grant agreement No 101060979.

Link <https://broilernet.eu>

NETWORKS AND MEMBERSHIPS

01/07/2012 – 30/06/2024 Parma

Scientific Panel on Animal health and welfare (AHAW) of the European Food Safety Authority (EFSA)

01/01/2018 – CURRENT Paris

• **President of the WOA Ad hoc group in charge of the revision of Chapter 7.5. - Slaughter of animals and Chapter 7.6. - Killing of animals for disease control purposes.**

30/06/2017 – CURRENT Brussels

independent expert of the EU Platform on Animal Welfare
