

**IDr Javier Caballero Villalobos**



***The impact of bovine-specific *Staphylococcus aureus* genetic variability on mastitis control and milk processing***

Mastitis is a disease that represents an indicator of the udder health status. In domestic animals worldwide, this intramammary infection is often caused by the bacteria *Staphylococcus aureus* and has great impact on animal welfare and production. Mastitis caused by *Staphylococcus aureus* can lead to massive economic losses in the dairy sector, due to the decrease of milk production, a worsening of milk sanitary conditions, and the cost of prevention and control protocols. In addition, antimicrobial treatment not only involves a cost, but is also an important issue for public health and an evident concern for consumers. We believe that different genotypes of *Staphylococcus aureus* can affect milk production in different ways, having also a great effect on the success of treatment protocols. Thus, this project provides a deeper study of genetic variability of this bacteria, in order to establish its influence on milk production and processing and to improve knowledge that will lead to tailored therapeutic protocols to control mastitis.

Project website: [www.mastistaph.eu](http://www.mastistaph.eu)

Additional profiles:

[https://www.researchgate.net/profile/Javier\\_Caballero\\_Villalobos](https://www.researchgate.net/profile/Javier_Caballero_Villalobos)

<https://www.linkedin.com/in/javier-caballero-villalobos-bba18b3a/>

<https://orcid.org/0000-0003-1432-9109>

<https://scholar.google.com/citations?user=TB2dMAUAAAAJ&hl=es&oi=ao>

@jcaballero vet