

Title	Uterine and mammary inflammation pro-resolving mechanisms
--------------	---

Keywords	Inflammation; Resolution
-----------------	--------------------------

Summary	<p>This project focus on a serious welfare, veterinary and economical problem affecting the dairy industry globally. Infection and inflammation of the postpartum uterus (metritis and endometritis) and mammary gland (mastitis) relevantly affect cow health and the production of human consumption edible products (milk and meat). In Human and lab species was recently evidenced that lipid specialized pro-resolving mediators (SPM), which are released by cells at the pro-inflammatory stimulus, play a relevant role in the clearing of inflammation and restoring of homeostasis. In contrast, failure to proceed with this program will lead to chronic inflammatory diseases in several systems. This concept was so far not explored in veterinary medicine, and opens an enthusiastic brand new field of research with highly promising impact on the diagnosis and therapy of uterine and mammary chronic inflammatory disease, also highlighting its potential to other disease and species scenarios.</p>
----------------	---

Supervision	
Supervisor	Luís Lopes da Costa (CIISA,FMV-UL). lcosta@fmv.ulisboa.pt
Co-Supervisor	Elisabete Silva (CIISA, FMV-UL)