

Dr. María Montoya

Dr. M. Montoya did her PhD in “Instituto de Salud Carlos III” in Madrid under the supervision of Dr. M del Val. Her PhD topic was the limiting steps in the classical MHC class I antigen processing and presentation in viral infections. Afterwards, she moved to work as a research scientist in the group headed by D. P. Borrow and Dr. D. Tough in The Edward Jenner Institute for Vaccine Research (Oxford University) in United Kingdom, a centre focused in vaccine design. M. Montoya made scientific contributions on dendritic cell function and immunity in the context of natural viral infections.

In 2005, Dr. M. Montoya joined “Centre de Recerca en Sanitat Animal (CRESA)” in Barcelona, Spain and where she devoted her energies in establishing a new line of research on studying the interaction of swine influenza virus with natural hosts such as pigs but also in mice and ferrets. Also, she has designed new vaccines strategies in animal health. Additionally, her group has done pivotal studies in understanding pandemic H1N1 2009 virus. In 2014, Dr. M. Montoya moved to The Pirbright Institute as porcine immunologist investigating immune responses against influenza virus and African swine fever virus. In 2017, Dr. M Montoya got a position at Centro de Investigaciones Biológicas CIB-CSIC.

Dr. M. Montoya’s main interests are focused on the immunological mechanisms involved in virus-host interaction in viral diseases such as Influenza virus and African swine fever virus.

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