

Bruno Hernaez , Ph.D. RESUME.

Bruno Hernáez (BH) completed his bachelor's degree in Biological sciences at Universidad Complutense de Madrid (Spain) in 1998. After that, he obtained a Ph.D. in Biology from Universidad Complutense de Madrid within Molecular and Cell Biology program in November 2004. The main goal of BH's Ph.D. project was the identification and characterization of those cellular proteins interacting with some african swine fever virus (ASFV) proteins early during infection. During this period, under the supervision of C. Alonso and J.M. Escribano at the Biotechnology Department in Instituto Nacional de Investigaciones Agrarias y alimentarias (INIA), BH actively participated in 3 national research projects and another project funded by EU. This last project allowed BH to contact the main International research groups on ASFV and performed a stay at Institute for Animal Health (united Kingdom) at the Linda Dixon's lab as invited researcher to develop ASF recombinant viruses based on highly virulent strains. During the next postdoctoral period BH continued his research work on different aspects of ASFV infection at diverse research institutes such as CISA-INIA, Medicine Faculty of Universidad Autonoma de Madrid (UAM) and Centre de Recerca in Sanitat Animal (CReSA) in Barcelona.. In 2012 BH moved to Centro de Biología Molecular Severo Ochoa (CBMSO) to participate in a project on ASFV entry with Dr. Germán Andrés. Next year (2013), BH was awarded with the CSIC JAE DOC fellowship and moved to Dr. Antonio Alcami's lab at the CBMSO where he is actually involved in poxvirus research using molecular biology techniques and also RNAseq data analysis.

From his work on different aspects of ASFV infection within different research projects (Spanish Nacional Plan for R+D, Wellcome Trust or Consolider) BH has participated in a total of 18 research articles (7 of them as first author) published in some of the most recognized International peer-reviewed Journals in Virology (Journal of Virology, Virology or Virus Research). Prominent among these, he recently participated as second author in a publication in ACS Nano journal (impact factor of 12). Notably, the total of the publications in which he participated have been cited to date nearly 300 times by others authors. During 2012 BH could act as reviewer of manuscripts submitted to three different journals.

BH has also participated as inventor in the development of 3 patents that are actually exploited by a biotechnology company.

BH additionally possesses experience in most of the cellular imaging techniques, such as laser confocal microscopy or electron microscopy, and also in the manipulation of animals used in scientific experimentation.