



Sergio Moreno

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Sergio Moreno carried out his PhD studies at the University of Salamanca (Microbiology Dept., 1982-1986) and a postdoctoral stay at Paul Nurse laboratory (1986-1993) working on cell cycle regulation. In 1993, he became research scientist at CSIC and started his own research group to work on the molecular mechanisms regulating cell cycle exit. Particularly, they focused on the function of two proteins, Rum1 and Ste9, and they characterized the role of puc1, cig1 and cig2 cyclins in the cell cycle. During this time, they participated in an EU funded project for sequencing *S. pombe* genome.

In 2001, he spent a year in Dr. Julie Ahring group (Cambridge University) in order to work with *Caenorhabditis elegans*. They have carried out joint projects focused on the dissection of the phagocytosis of apoptotic bodies pathway. Since 2002, a close collaboration has been established with the pharmaceutical company PharmaMar for the study of the mechanism of action of several antitumor agents, such as Yondelis, used for the treatment of soft tissue sarcoma and ovarian cancer. Further scientific collaborations have allowed the generation of a knockout mouse for the Cdh1/Fzr1 gene, as well as studies on the neuronal differentiation and survival and on the meiosis in mice.

His group is currently working on two research areas: first, the coordination between cell growth and division in order to accomplish cell size homeostasis, regulated through the TORC1-*greatwall*-endosulfine-PP2A pathway; and second, the role of APC/C-Cdh1 in genome stability, cancer and ageing.