



## Plant Biology

XXIII Meeting of the Spanish  
Society of Plant Physiology

XVI Spanish Portuguese  
Congress of Plant Physiology

Pamplona  
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Degree, Master Degree and PhD in Biology at the Universidad Complutense de Madrid. Thesis on somatic embryogenesis and regeneration of hybrids within Solanaceae developed at the CIB-CSIC under the supervision of Dr. R. Moreno. During this period, I did a short stay at the Max-Planck-Cologne-Germany and a long stay at the University of Nottingham-UK, in the labs of Dr. O. Schieder and EC. Cocking, respectively. Then, I worked in CEPESA Research Center for 18 months, on the molecular characterization of alkaline proteases from *Bacillus subtilis*. In 1981, I joined to Dr. P. Carbonero's group at the UPM-Madrid, to study the role of transcriptional factors in the regulation of the development and germination of cereal grains. Associate Professor (1993) and Full Professor (2012) at UPM, where I started my own research lines on the molecular characterization of plant defense genes with insecticide properties and their potential applications to control plant pests. In between, I did a stay at the Dr. I. Vasils's Group, in the University of Florida-USA. Since 2008, I lead a research group at the Centro de Biotecnología y Genómica de Plantas (CBGP-UPM-INIA), focused on the molecular aspects of the plant-pest interactions to understand the network of plant responses to phytophagous acari. I have been also involved in deciphering the function of a family of barley proteases in the protein recycling process associated to abiotic and biotic stresses. My research scientific carrier is supported by 83 SCI articles, 8 non-SCI, 16 book chapters and 2 books as editor. h index: 36, total number of cites: 3666 (source WOX). I have participated in 29 projects and collaborated with national and international research groups. I am "garante" of the Severo Ochoa awarded project (SEV-2016-0672) for the CBGP-UPM-INIA for 2017-21. In parallel, I have developed teaching duties, I have participated in different research committees and I have been Gestor de Agriculture for the AEI (Agencia Estatal de Investigación).