



Simpósio Internacional: : La biología de las redes proteicas: el interactoma y sus implicaciones patológicas

International Symposium: Biology of protein networks: Implications for human disease

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My PhD work started a new line of research in the lab of Dr Sanchez-Madrid's devoted to the characterization of tetraspanin complexes in intercellular adhesions of endothelial and epithelial cells. During my PhD I made a stay in the lab of Dr WJ Nelson at Stanford, to learn time-lapse confocal microscopy techniques with fluorescent proteins, and thereafter with Dr Trendelenburg in Heidelberg, to deepen on digital microscopy in cell biology. With this background, after my PhD defense, I was in charge of setting up the Videomicroscopy Facility at the Hospital de la Princesa, being the first confocal facility in Spain to perform time-lapse microscopy in living cells.

During this first postdoctoral period I was also involved in a multi-departmental study on the ethiopathology of fibrosis on peritoneal dialysis patients that was published in 2003 as a full article in *The New Engl J Med*, and gave rise to a patent.

In 2003 I obtained a competitive contract Miguel Servet. The first period of the Miguel Servet I worked at the Servicio de Inmunología deciphering the role of tetraspanin complexes in leukocyte extravasation.

After my second maternity leave, I joined the CNIC as Junior Visiting Researcher. In this time I started my two main actual research lines: 1- intracellular connections of tetraspanins, in close collaboration with the proteomics group of J Vázquez (*J Biol Chem* 2006, *J Cell Sci* 2012, *J Immunol* 2012, *Mol Biol Cell* 2013 and *J Biol Chem* 2013) and four PhD thesis, 2- functional association of tetraspanins with proteases (*Blood* 2008, *CMLS* 2011). In 2009 I joined the Instituto de Investigación Sanitaria Princesa, as Young Group Leader at the Hospital Santa Cristina. In 2014 I applied to the competitive contract Ramón y Cajal, which offered me a link with the University (UAM).

Recently, because of our data relating tetraspanins in exosome biogenesis, I became founder member of the International Society of Extracellular Vesicles (ISEV) and of the Spanish Group of Research in Extracellular Vesicles (GEIVEX). I organized the first GEIVEX Symposium in 2012 and am Member of the Management Committee in BM1202 European Network on Microvesicles and Exosomes in Health and Disease COST ACTION.

I have currently 65 published articles, with 54 average citations per item and an h index of 34.