



JUAN CARMELO GOMEZ FERNANDEZ

SHORT CURRICULUM VITAE

Date of Birth: June 3, 1950. Spain.

Academic education:

-Licenciado en Biología ((5 years degree) (1972), University of Navarra (Spain) .

-Doctor en Biología (equivalent to Ph.D), 1975, University of Navarra, Spain.

-Licenciado en Farmacia (Pharmacy Graduate, 5 years degree)) 1975, University of Navarra, Spain.

Academic Appointments:

-British Council Postdoctoral Fellow, University of Oxford (UK), 1976-1977 (supervised by George K. Radda).

-Wellcome Trust Postdoctoral Fellow, University of London (UK), 1977-1978 (associated to Dennis Chapman).

-Lecturer in Biochemistry, University of Murcia (Spain). 1979-1983.

-Professor of Biochemistry and Molecular Biology, University of Murcia (Spain). Since 1983 and now-

-I am currently in the following Editorial Boards : Chemistry and Physics of Lipids (Elsevier); Scientific World Journal (Hindawi Publishing Corporation); Biomedical Spectroscopy and Imaging (IOS Press).

- Professional Memberships related to Biophysics:

- Secretary of the Spanish Biophysical Society (2004-2006).
- Vice-President of the Spanish Biophysical Society (2006-2008).
- President Elected of Spanish Biophysical Society (2008-2010).
- President of the Spanish Biophysical Society (2010-2014).
- Member of the IUPAB Directing National Committee in Spain since 2004.
- Treasurer of Latinoamerican Federation of Biophysical Societies (2012-).
- Member of The Biophysical Society (USA).
- Voting delegate in IUPAB General Assemblies, representing Spain in 2008 and 2011.

-Teaching Biophysics: I have taught Biophysics for postgraduates since 1980 and to undergraduates since 1993.

-Personal Statement

I aspire to work for the expansion of Biophysics all around the world serving in the IUPAB Council:

-Current Research interest:

My current research interests are related to the interaction with lipids of PKCs isoenzymes and also to molecular interactions in membranes.

-Five selected Recent Publications in the past 5 years:

- New structural and mechanistic insights into the association of PKC α -C2 domain to PtdIns(4,5)P₂. Proc. Natl. Acad. Sci. USA. 106, 6603-6607, 2009
- ATP enhances neuronal differentiation of PC12 cells by activating PKC α interactions with cytoskeletal proteins. J. Proteome Res. 10, 529-540, 2011.
- Phosphatidylinositol 4,5-Bisphosphate Decreases the Concentration of Ca(2+), Phosphatidylserine and Diacylglycerol Required for Protein Kinase C α to Reach Maximum Activity. PLoS One. 2013 Jul 10;8(7):e69041. doi: 10.1371/journal.pone.0069041. Print 2013.
- Structural insights into the Ca²⁺ and PI(4,5)P₂ binding modes of the C2 domains of rabphilin 3A and synaptotagmin 1. Proc Natl Acad Sci U S A. 110, 20503-20508, 2013.
- Phosphatidylinositol-4,5-Bisphosphate Enhances Anionic Lipid Demixing by the C2 Domain of PKC α . PLoS One. 9(4):e95973. doi: 10.1371/journal.pone.0095973. 2014.

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