

ALICIA ALONSO

Currículum vitae



Current position: Professor of Biochemistry, Universidad de País Vasco

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Date of Birth: 17/04/1955

Education:

PhD in Biology Universidad del País Vasco (UPV/EHU), 1980.

Master in Biological Sciences. Universidad del País Vasco, 1977.

Professional Positions (last 10 years):

1992- to date Professor of Biochemistry, Universidad del País Vasco

1998-2000 Head of the Biophysics Unit CSIC-UPV/EHU.

1995-1998 Head of the Associate Unit "Biophysics" with the CSIC.

1999-2000 Visiting Research Professor, Department of Biochemistry & Microbiology, University of Victoria (Canada).

Professional Memberships and/or Awards (last 10 years):

Chairman of the Biomembranes Group of the Spanish Biochemical Society 1997-1999.

Member of the Council of the Spanish Biochemical Society 1996-2000.

Vice-President of the Spanish Biophysical Society, 2003-2006.

Member of the Editorial Board of *Biochimica et Biophysica Acta. Biomembranes*, 2005-to date.

President of the Spanish Biophysical Society, 2006-to date.

Selected Publications (Last five years):

Articles

E. Kooijman, J. Sot, R. Montes, A. Alonso, A. Gericke, B. De Kruijff, S. Kumar, and F. M. Goni 2008. Membrane organization and ionization behavior of the minor but crucial lipid ceramide-1-phosphate *Biophys. J.* (in press).

L.R.Montes, A. Alonso, F.Goñi and L.A.Bagatolli.2007. Giant unilamellar vesicles electroformed from native membranes and organic lipid mixtures under physiological conditions. *Biophys J.* 93, 3548-3554.

F.M.Goñi and A.Alonso.2006. Biophysics of sphingolipids. Membrana Properties of sphingosine, ceramides and other simple sphingolipids. *Biochim.Biophys.Acta* 1758, 1902-1921.

F.X. Contreras, J. Sot, A. Alonso and FM Goñi. 2006. Sphingosine increases the permeability of model and cell membranes. *Biophys J.* 90, 4085-4092.

J. Sot, L.A. Bagatolli, F.M.Goñi and A. Alonso. 2006. Detergent-resistant, ceramide-enriched domains in sphingomyeline/ceramide bilayers. *Biophys J* 90, 903-914.

J. Sot, F.J. Aranda, M-I Collado, F.M. Goñi and A. Alonso. 2005. Different effects of long- and short-chain ceramides on the gel-fluid and lamellar-hexagonal transitions of phospholipids. A calorimetric, NMR and X-ray diffraction study. *Biophys. J.* 88, 3368-3380.

M.I. Collado; F.M.Goñi; A.Alonso and D. Marsh. 2005. Domain formation in sphingomyelin/cholesterol mixed membranes studied by spin-label electron spin resonance spectroscopy. *Biochemistry* 44, 4911-4918.

F- X. Contreras, G. Basañez, A. Alonso, A. Hermann and F.M. Goñi.2005. "Asymmetric addition of ceramides but not dihydroceramides promotes transbilayer (flip-flop) lipid motion in membranes". *Biophysical Journal* 88, 348-359.

F.X..Contreras, A. V. Villar, A. Alonso, R. N. Kolesnick and F. M. Goñi. 2003. Sphingomyelinase activity causes transbilayer lipid translocation in model and cell membranes. *J. Biol.Chem.* 26, 37169-37174

Books

A.Alonso, A. Gómez-Muñoz y F.M.Goñi.(eds) 2006. Sphingolipids, Apoptosis and Disease (*Biochim Biophys Acta: Biomembranes. Special Issue*). Elsevier (Ámsterdam) ISBN 0005-2736 ,

J.L.R.Arrondo y A. Alonso.2006. *Advanced Techniques in Biophysics* . Springer (Heidelberg) p.280. ISBN:0932-2353