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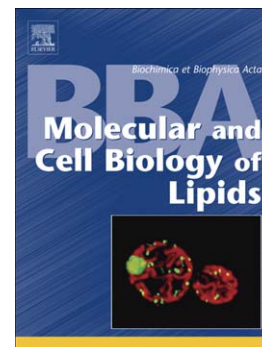
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G protein-membrane interactions I: *Gα_{i1}* myristoyl and palmitoyl modifications in protein-lipid interactions and its implications in membrane microdomain localization

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Key words: G protein-lipid interactions; membrane microdomain; lipid structure; myristoylation; palmitoylation; cell signaling.

Abbreviations used: AcNPV, *Autographa californica* nuclear polyhedrosis virus; AMF, 30 μM AlCl₃, 50 mM MgCl₂ and 10 mM NaF; Biotin-HPDP, N-[6-(biotinamido)hexyl]-3'-(2'-pyridyldithio) propionamide; C₁₂E₁₀, polyoxyethylene 10-lauryl ether; CHO, cholesterol; GPCR, G protein-coupled receptor; FPA, 2-fluoropalmitic acid; HMA, 2-hydroxymyristic acid; λ_{ex}, excitation wavelength; λ_{em}, emission wavelength; Ld, liquid-disordered lamellar phase; Lo, liquid-ordered lamellar phase; LUV, large unilamellar vesicle; Myr, myristic acid; Pal, palmitic acid; Ni-NTA, nickel-nitrilotriacetic acid; NMT, myristoyl-CoA:protein N-myristoyltransferase; PC, phosphatidylcholine; PE, phosphatidylethanolamine; PS, phosphatidylserine; SM, sphingomyelin; TLCK, N-α-p-tosyl-L-lysine chloromethyl ketone; TPCK, L-1-tosylamido-2-phenylethyl chloromethyl ketone.

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