

International ERATO Symposium on Lipid Structures in and around Proteins
 November 11-14, 2011 Hotel Hankyu Expo Park, Suita, Osaka, Japan

Program

	Nov.11(Fri)	Nov.12(Sat)	Nov.13(Sun)	Nov.14(Mon)	
9:00		Opening Remarks	Anthony WATTS (Oxford University, UK) "Conformational flexibility and dynamics of membrane proteins in a functioning lipid environment"	Kaoru NOMURA (SUNTORY Institute for Bioorganic Research, Japan) "Hydration and temperature dependence of ¹³ C and ¹ H NMR spectra of DMPC phospholipid membrane and complete resonance assignment of its crystalline State."	9:00
20		J Peter SLOTTÉ (Åbo Akademi University, Finland) "Membrane properties of various molecular species of sphingomyelin"	Akira NAITO (Yokohama National University, Japan) "Dynamic structure of membrane associated peptides and signal transduction process of photoreceptor proteins as revealed by solid-state NMR"	Masanao KINOSHITA (Osaka University, Japan) "Characterization of phase-separated domains in DPPC/palmitoyl-ceramide binary bilayers"	30
40				Fumiko OGUSHI (RIKEN, Japan) "Morphology changes of mixed lipid membrane systems"	50
10:00		Coffee Break		Seketsu FUKUZAWA (Tokyo University, Japan) "Target protein fishing of a polyether toxin, gambierol"	10:00
20		Thomas K.M. NYHOLM (Åbo Akademi University, Finland) "Membrane organization through lipid-protein interplay"	Coffee Break	Keiichi KONOKI (Tohoku University, Japan) "Target candidate for maitotoxin, the most toxic marine natural product"	10
40			Michio MURATA (Osaka University, Japan) "Lipid-induced molecular interactions in membrane as viewed by NMR"	Coffee Break	30
11:00		Paavo K.J. KINNUNEN (Aalto University, Finland) "Lipid membrane induced amyloid formation: for good and bad"	Masahito YAMAZAKI (Shizuoka University, Japan) "The single GUV method for probing dynamics and functions of biomembranes"	Kohel TORIKAI (Kyushu University, Japan) "Design and synthesis of artificial ladder-shaped polyethers that interact with transmembrane proteins"	50
20				Shigeru MATSUOKA (Osaka University, Japan) "Synthesis and function analysis of ion channel-forming peptide polytheonamide B"	11:00
30				Toshiaki HARA (Osaka University, Japan) "Membrane-induced folding reaction of disulfide-rich peptides"	20
40				Yukari FUJIMOTO (Osaka University, Japan) "Immunostimulatory bacterial glycolipid: its chemistry and recognition with receptor proteins"	40
12:00			Group Photo	Shigeru SUGIYAMA (Osaka University, Japan) "Towards an understanding of lipid-protein interactions, new approaches for producing high-quality protein crystals"	12:00
20			Lunch	Closing Remarks	20
13:00		Luncheon at a Japanese-style tea house in Expo'70 Commemorative Park			40
20			Poster Session		50
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14:00				Lab Tour(Optional) at Osaka University Toyonaka Campus	14:00
20		Akihiro KUSUMI (Kyoto University, Japan) "Three-tiered hierarchical meso-scale domain architecture of the plasma membrane: single-molecule studies"	José L. NIEVA (Universidad del País Vasco, Spain) "HIV-1 GP41 MPER: a functional domain and a therapeutic target"		
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15:00		Sarah L. KELLER (University of Washington, USA) "Dynamic fluctuations in lipid composition of membranes near miscibility critical points"	Bert POOLMAN (University of Groningen, The Netherlands) "Lipids: more than a solvent for membrane proteins"		15:00
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40		Coffee Break	Satoshi MURAKAMI (Tokyo Institute of Technology, Japan) "Structure and function of multi-drug efflux transporter, AcrB"		
16:00		Toshihide KOBAYASHI (RIKEN, Japan) "Imaging lipids and lipid domains"	Coffee Break		
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40		Ippo VATTULAINEN (Tampere University of Technology, Finland) "Membrane proteins and receptors controlled or modulated by lipids, and in particular cholesterol"	Gebhard F.X. SCHERTLER (Paul Scherrer Institut, Switzerland) "Structure of active and inactive GPCRs: role of lipids in GPCR dynamic and organization"		
17:00					
20	Registration	Petra SCHWILLE (Technische Universität Dresden, Germany) "Minimal systems for protein-induced membrane transformation"	Dirk J. SNYDERS (University of Antwerpen, Belgium) "Toxin binding sites on lipid-exposed parts of Kv channels"		
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18:00			Free time		
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19:00	Welcome Party at Senri Hankyu Hotel		Banquet		
20:00					
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