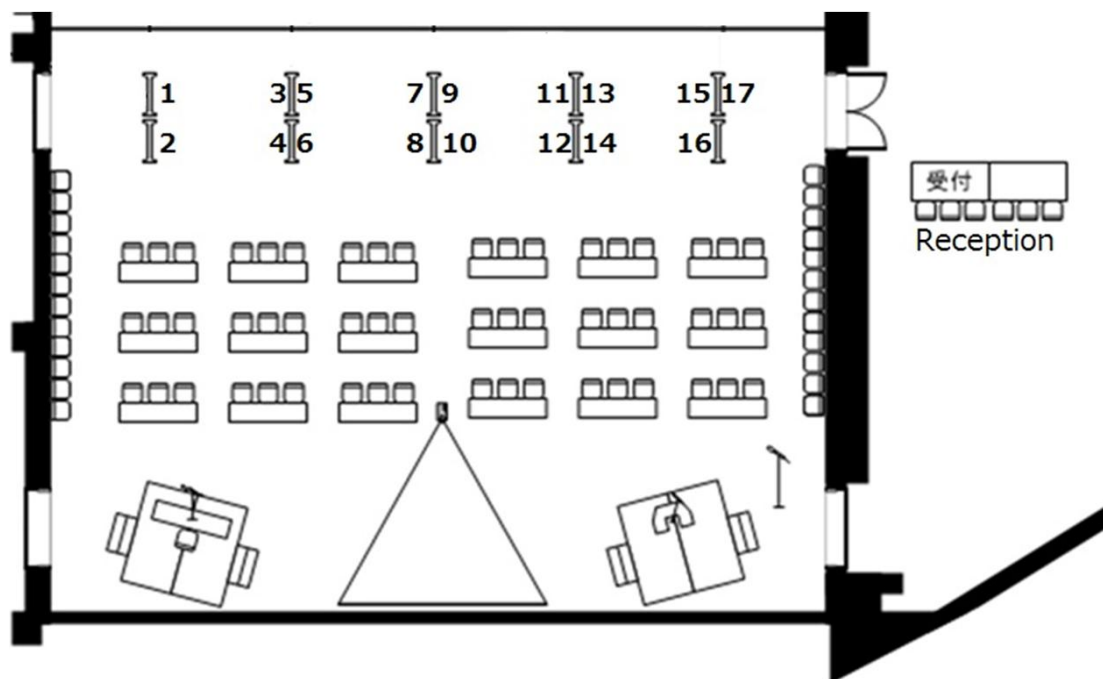


# International ERATO Symposium on Lipid Structures in and around Proteins

November 11-14, 2011 Hotel Hankyu Expo Park, Suita, Osaka, Japan

## Poster Session



- P-1 *Synthetic approach toward structure confirmation of amphidinol 3*  
Yoshiyuki Manabe(Presenter)<sup>1,2</sup>, Mitsunori Kanemoto<sup>2,3</sup>, Nobuaki Matsumori<sup>3,1</sup>, Michio Murata<sup>3,1</sup>, Tohru Oishi<sup>2,1</sup>  
1.JST, ERATO, Murata Lipid Active Structure Project 2.Graduate School of Sciences, Kyushu University, Japan  
3.Department of Chemistry, Graduate School of Sciences, Osaka University, Japan
- P-2 *Synthetic studies on yaku'amides*  
Takefumi Kuranaga  
Graduate School of Pharmaceutical Sciences, The University of Tokyo, Japan
- P-3 *NMR-based conformational analysis of sphingomyelin in lipid rafts\**  
Toshiyuki Yamaguchi  
Department of Chemistry, Graduate School of Science, Osaka University, Japan
- P-4 *Synthesis of natural lipids analogues bearing heavy and NMR-active atoms for studies on protein-lipid interactions\**  
Sébastien Lethu  
Department of Chemistry, Graduate School of Science, Osaka University, Japan
- P-5 *The application of phase-statistical de-noising methods for NMR, etc.\**  
Jun Fukazawa  
Department of Chemistry, Graduate School of Science, Osaka University, Japan
- P-6 *Ordering effect of cholesterol on sphingomyelin as revealed by site-specific deuterium labelling\**  
Nobuaki Matsumori  
Department of Chemistry, Graduate School of Science, Osaka University, Japan
- P-7 *Amphotericin B-ergosterol interactions in lipid membrane as viewed by solid-state NMR*  
Yuichi Umegawa  
Department of Chemistry, Graduate School of Science, Osaka University, Japan

- P-8** *Elucidation of the interaction between amphotericin B and phospholipid bilayer*  
**Tetsuro Takano**  
Department of Chemistry, Graduate School of Science, Osaka University, Japan
- P-9** *Computational study of the interaction between protein and lipid molecules\**  
**Daisuke Matsuoka**  
Department of Chemistry, Graduate School of Science, Osaka University, Japan
- P-10** *Interactions between charged gold nanoparticles Au144(SR)60 and lipid bilayers*  
**Elena Heillilä**  
Department of Physics, Tampere University of Technology, Finland
- P-11** *Unraveling the Influence of 10-N-nonyl acridine orange on cardiolipin*  
**Peter Greimel**  
Lipid Biology Laboratory, RIKEN, Japan
- P-12** *Characterization of phase-separated domains in dipalmitoylphosphatidylcholine/palmitoyl-ceramide binary bilayers\**  
**Masanao Kinoshita**  
Department of Chemistry, Graduate School of Science, Osaka University, Japan
- P-13** *Structure-based interplay between membrane protein and annular lipid\**  
**Satoshi Kawatake**  
Department of Chemistry, Graduate School of Science, Osaka University, Japan
- P-14** *Cloning, expression, purification, crystallization and preliminary X-ray crystallographic study of the Staphylococcus aureus FtsA , containing membrane targeting sequence (MTS)*  
**Yuma Miyazaki<sup>1</sup>, Mika Hirose<sup>1,5</sup>, Noboru Nakano<sup>1,5</sup>, Sukanta Mondal<sup>2</sup>, Kenji Mizuguchi<sup>2</sup>, Yoshimi Matsumoto<sup>3</sup>, Tsuyoshi Inoue<sup>1,4,5</sup>, Hiroyoshi Matsumura(Presenter)<sup>1,4,5</sup>**  
1.Graduate School of Engineering, Osaka University, Japan 2.National Institute of Biomedical Innovation, Japan  
3.Institute of Scientific and Industrial Research, Osaka University, Japan 4.SOSHO Inc, Japan  
5.JST, ERATO, Murata Lipid Active Structure Project
- P-15** *Constitution and structure determination of a transmembrane model peptide DIVS6 of voltage-gated sodium channel in lipid*  
**Ai Yoshinaka-Niitsu**  
Department of Chemistry, School of Science, The university of Tokyo, Japan
- P-16** *Immunomodulation and receptor recognition of chemically conjugated lipo- and glycopeptide*  
**Yasunori Kajiki**  
Laboratory for Natural Product Chemistry, Department of Chemistry, Graduate School of Science, Osaka University, Japan
- P-17** *Structure recognition of phospholipids by human antimicrobial peptides, dermcidin fragments*  
**Shigeru Matsuoka** <sup>†</sup>  
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*\*performed as a part of JST, ERATO, Murata Lipid Active Structure Project*