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特定領域研究「膜インタフェイス」平成 20 年度公開シンポジウムのお知らせ

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特定領域研究「膜インタフェイス」平成 20 年度公開シンポジウムが下記のように行われます。今回のシンポジウムでは、Anne Ulrich (Forschungszentrum Karlsruhe)、Steven Smith (Stony Brook University)、Michael Brown (University of Arizona)、Roland Riek (ETH)、Michael Sattler (Technische Universität München)を特別講演演者として招待しております。シンポジウム参加費は無料ですので、ふるってご参加下さい。

また、1月22日の18時30分より、懇親会を行います。懇親会の会費は4,500円です。こちらもふるってご参加下さい。

特定領域研究「膜インタフェイス」国際シンポジウム

International Symposium on Molecular Soft Interactions in Biological Systems

日 時

2009年1月22日(木)～23日(金)

会 場:千里ライフサイエンスセンタービル 5F サイエンスホール

〒560-0082 大阪府豊中市新千里東町1-4-2

(北大阪急行電鉄御堂筋線、大阪モノレール千里中央駅下車、案内図は

<http://www.senrilc.co.jp/access/index.html>をご参照ください。)

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International Symposium on Molecular Soft Interactions in Biological Systems

2009. 1. 22(Thr)-23(Fri)

Senri Life Science Center

(1-4-2 Shinsenri Higashimachi, Toyonaka, Osaka 560-0082, Japan)

Organized by The Priority Area "Membrane Interface" (Kakenhi)

2009. 1. 22(Thr)

Chair: Masahiro Shirakawa

9:30 - 9:35	Opening remarks (Ichio Shimada)		
9:35 - 10:05	Daisuke Kohda	Kyusyu University	Tom20 recognizes mitochondrial presequences through dynamic equilibrium among multiple bound states -Complex stabilization with a molecular tether-
10:05 - 10:35	Masao Sakaguchi	University of Hyogo	Environment and polypeptide chain movement in protein translocation channel
10:35 - 11:05	Osamu Nureki	the University of Tokyo	Gating control mechanism of bacterial membrane transporters
11:05 - 11:20	Break		
11:20 - 11:50	Yoshifumi Nishimura	Yokohama City University	Dynamic structures of eukaryotic transcription-related proteins
11:50 - 12:20	Chojiro Kojima	Nara Institute of Science and Technology	pCold-GST : A simple and efficient protein production system
12:20 - 13:50	Lunch		

Chair: Hideo Akutsu

13:50 - 14:20	Toshimichi Fujiwara	Osaka University	Solid-state NMR structural analysis of membrane proteins and sensitivity enhancement
14:20 - 15:00	Steven Smith	Stony Brook University, Osaka University	Molecular mechanism of photoactivation of the visual receptor rhodopsin
15:00 - 15:40	Michael Brown	University of Arizona	Retinal dynamics in rhodopsin activation viewed by NMR
15:40 - 15:55	Break		

Chair: Daisuke Kohda

15:55 - 16:25	Hideo Akutsu	IPR, Osaka University	Dynamic soft interactions drive H ⁺ -ATP synthase
16:25 - 17:05	Anne Ulrich	Forschungszentrum Karlsruhe	Dynamic behaviour of peptides in membranes
17:05 - 17:20	Break		
17:20 - 17:50	Sachiko Tsukita	Osaka University	Specific characteristics of epithelial intercellular adhesion and cell proliferation
17:50 - 18:20	Kosuke Morikawa	Osaka University	Structural view of PPARg activating process through covalent modification by endogenous fatty acids
18:30 -	Social Hour		

2009. 1. 23(Fri)

Chair: Yoshifumi Nishimura

9:30 - 10:00	Masahiro Shirakawa	Kyoto University	In-cell NMR spectroscopy of proteins in human cells: study of protein interactions and dynamics
10:00 - 10:30	Kazuya Kikuchi	Osaka University	Designed MRI probes with enzyme dependent relaxation time modulatory switches
10:30 - 11:00	Fuyuhiko Inagaki	Hokkaido University	Soft interaction in phagocyte oxidation system
11:00 - 11:15	Break		
11:15 - 11:45	Ichio Shimada	the University of Tokyo	Protein recognition by NMR
11:45 - 12:15	Yuji Sugita	RIKEN	Molecular dynamics simulations of soft interactions at membrane interface
12:15 - 13:45	Lunch		

Chair: Hiroyuki Toh

13:45 - 14:15	Toshiya Endo	Nagoya University	Structural basis of molecular recognition in mitochondrial protein import
14:15 - 14:45	Akinori Kidera	Yokohama City University	Molecular dynamics simulations of membrane proteins transferring signal/substance
14:45 - 15:15	Toshio Hakoshima	Nara Institute of Science and Technology	Structure of a novel membrane-targeting domain found in Rac GEF Tiam1/2
15:15 - 15:30	Break		

Chair: Ichio Shimada

15:30 - 16:00	Masatsune Kainosho	Nagoya University	Recent progress in stereo-array isotope labeling (SAIL) method for protein structure and dynamics
16:00 - 16:40	Michael Sattler	Technische Universität München	NMR studies of protein-RNA complexes in the regulation of gene expression
16:40 - 17:20	Roland Riek	ETH	Structural studies in membrane protein
17:20 - 17:25	Closing remarks (Hideo Akutsu)		