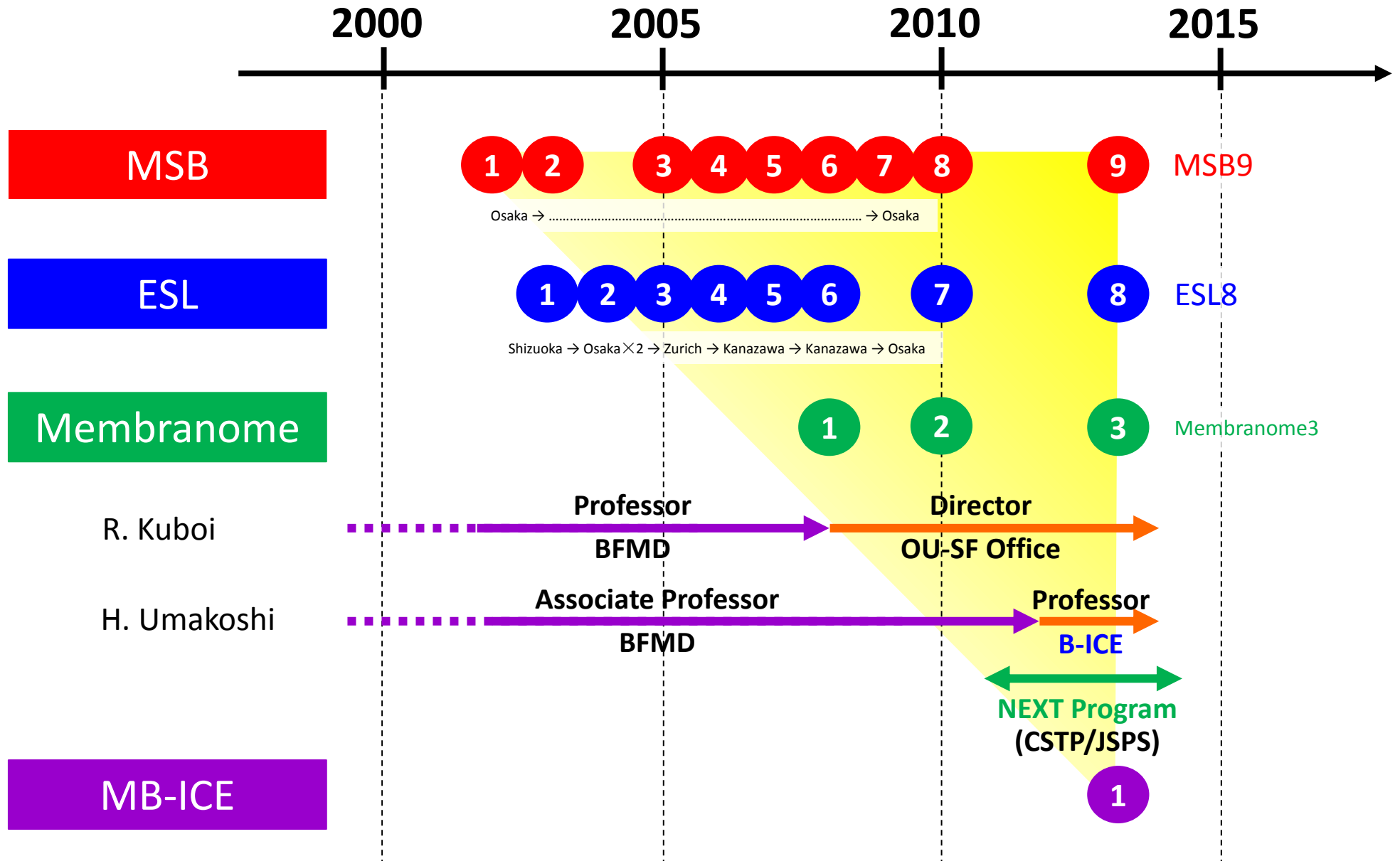
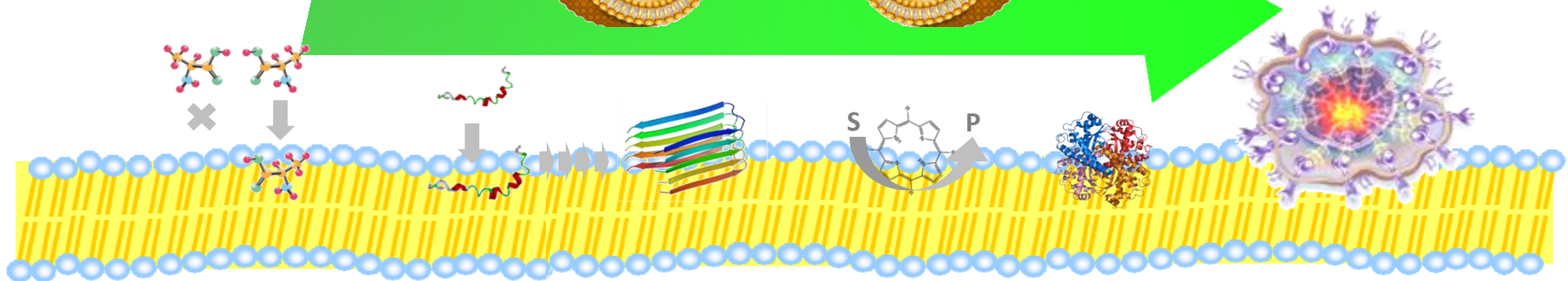
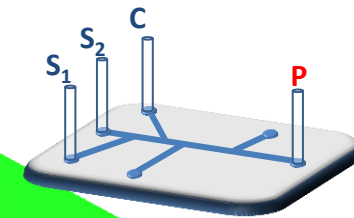
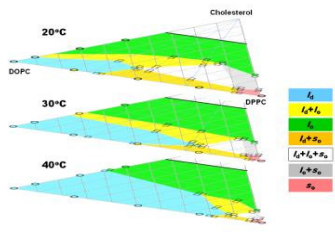
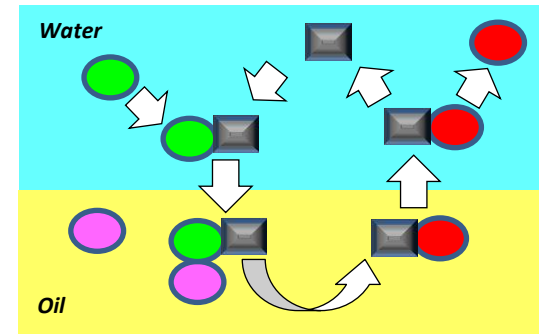
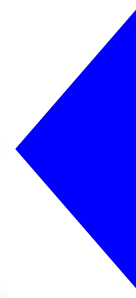
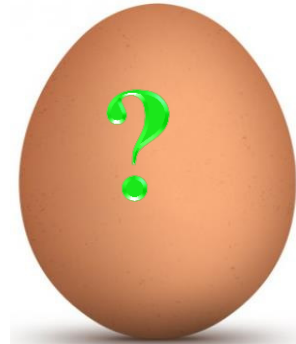
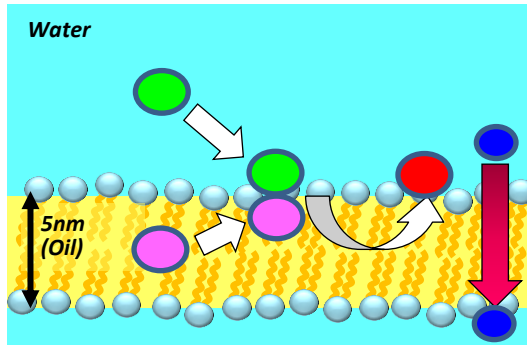
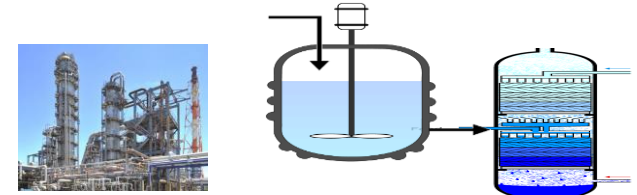
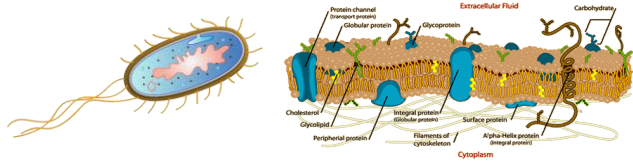


“Membranome” for “Bio-Inspired Chemical Engineering”



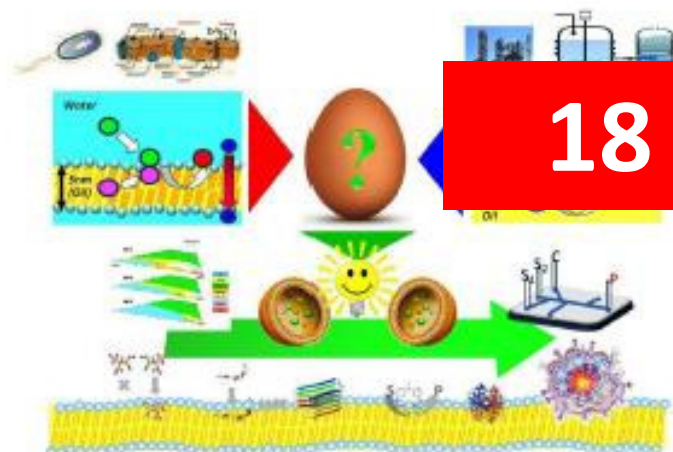
“Membranome” for “Bio-Inspired Chemical Engineering”



NEXT Symposium

“Membranome” for “Bio-Inspired Chemical Engineering”

(Membranome2 / MSB9 / ESL8)



2013. 9. 13 (Fri)

Sigma International Hall,
Osaka University,
Toyonaka, Osaka, Japan

Funding Program for Next Generation
World-Leading Researchers (NEXT Program)



9:30	Opening Remarks	----- Chair: Prof. UMAKOSHI -----
9:35	Pesticide and Biomembrane: Impact and Resistance	Le Quoc TUAN (Nong Lam Univ.)
9:55	Stress Induced Cell Membranes Injury and Activation of Sigma E Promoter in <i>Escherichia coli</i>	Huong Thi BUI (Delft Univ. of Tech.)
10:15	Active Targeting and Attacking of Novel Span80 Vesicles at Tumors in Vitro and in Vivo toward Cancer Therapy in DDS	Keiichi KATO (Ehime Univ.)
	[Coffee Break]	
10:50	Stable and Functional Model Biological Membrane Composed of Polymeric and Fluid Lipid Bilayers	----- Chair: Asst. Prof. ISHII ----- Kenichi MORIGAKI (Kobe Univ.)
11:10	Self-assembly of Novel Hybrid Biopolymer	Kien Xuan NGO (AIST)
11:30	Development of DNA-Aptamer Based Sensor for Determination of Antibiotic Tetracycline	Huong Thi VU (Hanoi Natl. Univ. Edu.)
11:50	Bio-Inspired Chemical Engineering Based on Membranome	Hiroshi UMAKOSHI (Osaka Univ.)
	[Lunch Break and Poster]	
		----- Chair: Asst. Prof. HAYASHI -----
		Poster Presenters
		----- Chair: Prof. ICHIKAWA -----
		Peter WALDE (ETH Zurich)
		Takaaki ISHIGAMI (Osaka Univ.)
		Haruyuki ISHII (Tohoku Univ.)
		Takashi KUROIWA (Tokyo City Univ.)
		----- Chair: Prof. WALDE -----
15:30	Asymmetric Recognition and Conversion	Sosaku ICHIKAWA (Univ. of Tsukuba)
15:40	Soft Template Syntheses of Hollow Inorganic Particles in the Presence of Sodium Oleate	Ho-Sup JUNG (Seoul Nat'l Univ.)
16:00	Preparation of Phospholipid-Based Giant Liquid Crystalline Aggregates and Their Optical Properties	Seiichi MORITA (Wakayama Nat'l. Coll. Tech.)
	[Coffee Break]	
16:30	Lipid Vesicles with High Entrapment Yield Prepared by Using Multiple Emulsions	Keita HAYASHI (Nara Nat'l. Coll. Tech.)
16:50	Rapid Formation of Lipid Vesicles by Using a Microfluidic Platform	Keishi SUGA (Osaka Univ.)
17:10	Kinetics of Interaction between Immobilized Liposome and Amyloid β	
17:30	Span 80 Vesicle Has Unique Membrane, Resulting in the Easy Interaction with Phospholipids Vesicle	
17:50	Design of Nanosized Domain on Liposome Membrane for Recognition and Functionalization of Biomolecules	
18:10	Closing Remarks	
19:00	[Banquet] Senri-Hankyu Hotel (by Bus)	
	Amyloid Fibril Formation on Ordered Interfaces and Use of Biomass-Related Library	Toshinori SHIMANOUCHI (Okayama Univ.)

"Active !?" via "Self-Assembly !"



"Fight !?" via "Shake-Hand !"

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