

A3 Foresight & 5 Star Alliance Joint Workshop on Organic/Inorganic Hybrid Nano Materials and Bio Imaging

Feb. 16(Sun.) - 18(Tue.), 2020

Location : ISIR, Osaka Univ., Auditorium room(Oral) , I-117 room(Poster)

Feb.16th (Sun.) Registration 13:00 – 14:00

Chair 1: Dr. T. Sugahara			
14:00 - 14:10	Welcome Speech	Prof. K.Suganuma	ISIR, Osaka U
14:10 - 14:40	Particle size dependency of LDH nanovehicle on intercellular uptake and intracellular trafficking mechanisms	Prof. J. Choy	Dankook Univ.
14:40 - 15:10	Albumin-Dodecaborate Conjugates as Efficient Boron Carriers for Neutron Capture Therapy	Prof. H. Nakamura	Tokyo Institute Tech.
15:10 – 15:40	Gel-Sol Method for Synthesis of Monodispersed Fine Particles in Liquid Phase	Prof. A. Muramatsu	Tohoku Univ.
Coffee Break 1 (20 min)			
Chair 2:			
16:00 - 16:30	Versatile Roles of Monolayered Inorganic Nanosheets in Multifunctional Nanohybrids	Prof. S. Hwang	Yonsei University
16:30 - 17:30	Interfacial Properties of Zwitter Ionic Polymers	Prof. A. Takahara	Kyushu Univ.
17:00 - 17:30	Copper organic complex for low temperature sintering	Prof. T. Yonezawa	Hokkaido Univ.
Transfer (60 min)			
18:30 – 20:25	Social Dinner in Senri-Chuo	For Invited Speakers	
	Dinner		

Feb. 17 th (Mon.)			
Chair: Prof. K. Suganuma			
9:00 - 9:30	Intelligent Modifications or Assemblies of Ultrasmall Iron Oxide Nanoparticles for Improved Theranostics	Prof. X. Shi	Donghua Univ.
9:30 - 10:00	Radiation-Damage-Free Nanoimaging using Femtosecond X-ray Laser	Prof. Nishino	Hokkaido Univ.

10:00 - 10:30	Self-Organizing Liquid-Crystalline Organic-Inorganic Nanohybrid Particles	Prof. K. Kanie	Tohoku Univ..
Coffee Break 2(30 min)			
11:00 - 11:30	Self-assembled Supramolecular Nanosystems for Targeted Therapy of Intractable Disease	Prof. K. Kataoka	Kawakai Institute of Industrial Promotion Inovation Center of NanoMedicine (iCONM)
11:30 - 12:00	Adoptive Cellular Immunotherapy of Tumors via Effective CpG Delivery to Dendritic Cells Using Dendrimer-Entrapped Gold Nanoparticles as a Gene Vector	Prof. Xueyan Cao	Donghua Univ
Lunch Break (60 min)			
Chair: Prof. K. Kanie			
13:00 - 13:30	Molecular scavenging with biomaterials to relay tissue regenerative process	Prof. H-Won Kim	Dankook university
13:30 -14:00	Bioimaging of GPCR dimers and its application to molecular probes for cancer cells	Prof. H. Tamamura	Tokyo Medical and Dental Univ.
14:00 - 14:30	<i>in vivo</i> microscopy utilizing non-linear optics for visualization of living specimens	Prof. T. Nemoto	National Institute for Physiological Sciences
Coffee Break 3(20 min)			
14:50 – 15:20	Low-dimensional Nanostructured Titania for Biomedical Applications	Prof. T. Sekino	Osaka Univ.
15:20 – 15:50	LDH-Stabilized Ultrasmall Iron Oxide Nanoparticles as a Platform for Hyaluronidase-Promoted MR Imaging and Chemotherapy of Tumors	Prof. Rui Guo	Donghua Univ.
15:50 – 16:20	Biomedical applications of polypeptide-based drug delivery system for cancer therapy	Prof. Y-Chum Kim	Korea Advanced Institute of Science and Technology (KAIST)
16:20 – 16:50	Trans-scale bioimaging for singularity biology	Prof. T. Nagai	Osaka Univ.
Coffee Break 4(10 min)			
17:00 – 18:00 (60 min)	Poster Session		~30 Presentations
18:00 – 20:00	Reception at Salon de Sanken	Toast by Prof. Muramatsu	

Feb. 18, Monday

Young Researcher Session
Chair: Prof. Goeun Choi (Dankook Univ.)

9:30 - 9:50	Silica Based Nanotherapeutic For Tissue Regeneration	Jung-Hwan Lee	Dankook university
9:50 - 10:10	Development of Fluorescent Zn ²⁺ Probes Targeting Intracellular Organelles	Dr. Toshiyuki KOWADA	Tohoku Univ.
10:10 - 10:30	Targeted anti-inflammatory and antioxidative combination therapy of rheumatoid arthritis using multifunctional dendrimer-entrapped gold nanoparticles as a platform	Jin Li	Donghua Univ.
10:30 - 10:50	Two-photon excitation spinning-disk confocal microscopy for high-speed visualizations of biological phenomena	Dr. K. Ohtomo	National Institute for Physiological Science
10:50 - 12:00	Group or Panel Discussion & Coffee Break		
Lunch (60 min)			
Chair: Dr. Sunghun Cho(Osaka Univ.)			
13:00 - 13:20	Control of Adsorption Characteristics of Calcium Phosphate Bioceramic	Dr. Tomoyo Goto	Osaka Univ.
13:20 - 13:40	Cancer Cell Selective Multifunctional MRI Contrasting Agent Delivery System via Organic/Inorganic Hybridization	Jin Kuen Park	Hankuk University of Foreign Studies
13:40 - 14:00	Macrophage cell-mediated delivery of hyaluronic acid nanogels loaded with polypyrrole and anticancer drugs to tumors for enhanced tumor combination therapy	Tingting Xiao	Donghua Univ.
14:00 - 14:20	Synthesis of Choline Phosphate Zwitterionic Polymer and Their Hydration Behavior	Dr. Masaru Mukai	Kyushu Univ.
14:20 - 14:30	Closing remark	Prof. Sekino	