

Oral Session

Keynote/Invited	Presentation NO	Presentation date	Time to start	Time to finish	Account: First name	Account: Middle name	Account: FAMILY NAME	Account: Affiliation	Abstract title
Chairperson: Tomohiro Hiraishi (RIKEN)									
Keynote	D-1-K26-001	26 Sep.	13:30	14:00	Seiichi		TAGUCHI	Hokkaido University	Creation of Bio-based Polymers Based on Biological Systems
	D-1-O26-002	26 Sep.	14:00	14:20	Giovanni		MARLETTA	University of Catania	Coadsorption-Induced Orientation of Fibronectin Epitopes at Surfaces
	D-1-O26-003	26 Sep.	14:20	14:40	Lifeng		KANG	National University of Singapore	Protein Encapsulation in Polymeric Microneedles by Photolithography
	D-1-O26-004	26 Sep.	14:40	15:00	Chikako		KAWAMURA	Nagoya Institute of Technology	Preparation of Bioactive Glass / Biopolymer Hybrid Coating by Electrophoretic Deposition
Coffee break		26 Sep.	15:00	15:15					
Chairperson: Gouping Chen (NIMS)									
Keynote	D-1-K26-005	26 Sep.	15:15	15:45	Malcolm	L	SNEAD	The University of Southern California	Protein to Protein Interactions Direct Dental Enamel Matrix Self-Assembly and Guides Hydroxyapatite Formation at Physiologic Conditions
	D-1-O26-006	26 Sep.	15:45	16:05	Yu		NAGAO	Nagoya Institute of Technology	Sulfone-Containing Click Polyester for Anode-Selective Smart Coating of Bioactive Glass
	D-1-O26-007	26 Sep.	16:05	16:25	Yuichi		MASUDA	Aichi Institute of Technology	Enzyme Behavior Immobilized onto Mesoporous Zirconia
Chairperson: Keitaro Yoshimoto (University of Tokyo)									
	D-1-O27-001	27 Sep.	10:30	10:50	Yutaka		IKEDA	University of Tsukuba	Development of a Novel Microfabricated Cell Array for the Construction of Long Surviving Hepatocyte Spheroid
	D-1-O27-002	27 Sep.	10:50	11:10	Guoping		CHEN	National Institute for Materials Science	Biomimetic Matrices and Scaffolds Derived from Cultured Cells
	D-1-O27-003	27 Sep.	11:10	11:30	Atsushi		MAHARA	National Cerebral and Cardiovascular Center Research Institute	Surface Modification of Decellularized Tissue with Collagen-Binding Peptide for Enhanced Endothelial Cell Binding
	D-1-O27-004	27 Sep.	11:30	11:50	Naoki		KAWAZOE	National Institute for Materials Science	A Micropatterned Surface for Investigation of Cell Density Effect on Mesenchymal Stem Cell Functions
Lunch		27 Sep.	12:00	13:30					
Chairperson: Hitoshi Shiku (Tohoku University)									
Keynote	D-1-K27-005	27 Sep.	13:30	14:00	Seiya		TSUJIMURA	University of Tsukuba	Direct Electron Transfer Reactions of Redox Enzymes on Mesoporous Carbon Electrodes for Enzymatic Biofuel cell applications
	D-1-O27-006	27 Sep.	14:00	14:20	Maria	Antoaneta	BRATESCU	Nagoya University	Optical Properties and Catalytic Activity of Gold-Silver Alloy Nanoparticles Synthesized by Solution Plasma Processing
	D-1-O27-007	27 Sep.	14:20	14:40	Takeshi		OKUTANI	Yokohama National University	Production of Magnesium Silicide from Rice Hulls
	D-1-O27-008	27 Sep.	14:40	15:00	Akira		YAMAGUCHI	The University of Tokyo	Investigation of Electrochemical CO ₂ Reduction Abilities of Greigite Inspired by Electronic Current Generation Systems in Deep Sea Hydrothermal Vent environments
Coffee break		27 Sep.	15:00	15:15					
Chairperson: Naoki Kawazoe (NIMS)									
Keynote	D-1-K27-009	27 Sep.	15:15	15:45	Cnadan		TAMERLER	University of Washington	Biological Routes for Fabrication of Hierarchical Hybrid Structures
	D-1-O27-010	27 Sep.	15:45	16:05	Keitaro		YOSHIMOTO	The University of Tokyo	Effect of 3D Cell Culture Environment using Hydrogel Micro-Patterned Surface on Cell Differentiation
	D-1-O27-011	27 Sep.	16:05	16:25	Yoshihiro		KIKKAWA	National Institute of Advanced Industrial Science and Technology (AIST)	Atomic Force Microscopic Analysis of Intermolecular Interaction between Chitin-Binding Domain and Polysaccharide Surfaces
Chairperson: Junko Hieda (Tohoku University)									
	D-1-O27-012	27 Sep.	16:30	16:50	Makoto		TAKEMASA	Waseda University	Single Molecular Analysis of Glycans using a Solid State Nanopore
	D-1-O27-013	27 Sep.	16:50	17:10	Kenji		SAWAI	Toray Industries	Poly(lactic acid) Production using Membrane-Integrated Bioprocess.
	D-1-O27-014	27 Sep.	17:10	17:30	Yoshiyuki		YOKOGAWA	Osaka City University	VSC adsorption into Ag or Ca Ion Exchanged Zeolite Materials in Gaseous and Aqueous Medium
	D-1-O27-015	27 Sep.	17:30	17:50	Yukii		KAWACHI	Aichi Institute of Technology	Silica Hydrogel Prepared by Synthetic Peptides
	D-1-O27-016	27 Sep.	17:50	18:10	Yasuhiro		KUSANO	Tokyo Institute of Technology	The Strain Rate Sensitivity Behavior in Ti based Shape Memory Alloys
	D-1-O27-017	27 Sep.	18:10	18:30	NOBUYUKI		Zetsu	Nagoya University	The Effect of Post Thermal CVD for Hardness and Ultra Water-Repellent Properties in Biomimetically-designed SiO _x Film Deposited by Plasma-enhanced CVDCVD

Poster Session

Presentation NO	Presentation date	Time to start	Time to finish	Account: First name	Account: Middle name	Account: FAMILY NAME	Account: Affiliation	Abstract title
D-1-P26-001	26 Sep.	16:30	18:30	So		KAKIYAMA	The University of Tokyo	The Effect of Chemical Structure in a Poly Ion Complex Vesicle layer on the Cellular Uptake
D-1-P26-002	26 Sep.	16:30	18:30	SAYAN		CHUANOI	The University of Tokyo	Novel vesicles containing membrane-embedded siRNA for nucleic acid therapeutics
D-1-P26-003	26 Sep.	16:30	18:30	Noha	Mamdouh	GOUDA	The University of Tokyo	Silica surface-shielding of siRNA polyion complexes for enhanced functional delivery
D-1-P26-004	26 Sep.	16:30	18:30	Akihiro		KISHIMURA	The University of Tokyo	Development of polyion complex vesicles (PICsomes) as a versatile platform for delivery of bioactive macromolecules and nano-sized materials
D-1-P26-005	26 Sep.	16:30	18:30	A		OBATA	Nagoya Institute of Technology	Fibrous bioactive materials releasing calcium and silicate ions for bone regeneration
D-1-P26-006	26 Sep.	16:30	18:30	Masahiro		FUJITA	RIKEN	Non-crosslinking Aggregation of DNA-functionalized Nanoparticles
D-1-P26-007	26 Sep.	16:30	18:30	Hayato		HIRAMINE	The University of Tokyo	Synthesis and Characterization of Poly(N-isopropylacrylamide)-DNA Copolymers
D-1-P26-008	26 Sep.	16:30	18:30	Tomohiro		HIRAISHI	RIKEN	Functional Improvement of Poly[(R)-3-hydroxybutyrate] Depolymerase
D-1-P26-009	26 Sep.	16:30	18:30	Kanjiro		MIYATA	The University of Tokyo	Smart multilayered polymer/silica assemblies for enhanced siRNA delivery
D-1-P26-010	26 Sep.	16:30	18:30	Mizuo		Maeda	RIKEN	Microscopic Detection of Single-nucleotide Polymorphism Using DNA-conjugated Gold Nanoparticles
D-1-P26-011	26 Sep.	16:30	18:30	Tomohiro		HIRAISHI	RIKEN	Mechanism of Enzymatic Degradation of Poly[(R)-3-hydroxybutyrate] as Revealed by Analysis of Its Depolymerase Mutants
D-1-P26-012	26 Sep.	16:30	18:30	Anyarat		WATTHANAPHANIT	Nagoya University	Depolymerization of Sodium Alginate by a Plasma Process in Aqueous Solution
D-1-P26-013	26 Sep.	16:30	18:30	YongKang		HEO	Nagoya university	Heat Transfer Characteristics of the Synthesized Nanofluids using Solution
D-1-P26-014	26 Sep.	16:30	18:30	Tomonaga		UENO	Nagoya University	Analysis of oxygen reduction on metal nanocluster by Ab-initio MO calculation
D-1-P26-015	26 Sep.	16:30	18:30	Wariya		SIRITHEP	Tokai University	Syntheses of Biocompatible Polyamide and Polyester Containing Phospholipid Moiety
D-1-P26-016	26 Sep.	16:30	18:30	Masahiro		TAKENAKA	Tokyo University of Science	Surface modification of chitin fiber by plasma treatment and implantation
D-1-P26-017	26 Sep.	16:30	18:30	Toshiyuki		TANAKA	RIKEN	Development of vessel-like structure on thin films fabricated by ion-beam irradiation into poly(L-lactic acid)
D-1-P26-018	26 Sep.	16:30	18:30	Xinlong		WANG	National Institute for Materials Science	Preparation of Micropatterned Surfaces for Cell Function Manipulation
D-1-P26-019	26 Sep.	16:30	18:30	Hongli		MAO	National Institute for Materials Science (NIMS)	Cellular Uptake and Localization of Collagen-Stabilized Single-Wall Carbon Nanotubes by Bovine Chondrocytes
D-1-P26-020	26 Sep.	16:30	18:30	Mari		KAMADA	Mie University	Cellular responses on oriented electrospun poly-L-lactic acid fiber mats
D-1-P26-021	26 Sep.	16:30	18:30	Syota		SOMEKAWA	National Cerebral and Cardiovascular Center Research Institute	Biodegradable hydrogel injection for myocardial infarction
D-1-P26-022	26 Sep.	16:30	18:30	Jaebum		CHO	The University of Tokyo	Biocompatible polymer nanoparticle for detection of virus-infected cells
D-1-P26-023	26 Sep.	16:30	18:30	Madoka		TAKAI	The University of Tokyo	Biocompatible polymer for PDMS-based microchip electrophoresis device
D-1-P26-024	26 Sep.	16:30	18:30	Madoka		TAKAI	The University of Tokyo	Block-typed polymer brush that prevents the structure function of immobilized protein
D-1-P26-025	26 Sep.	16:30	18:30	Junko		HIEDA	Tohoku University	Fabrication of beta-type titanium alloy with hard-tissue compatibility through HAp deposition by MOCVD method
D-1-P26-026	26 Sep.	16:30	18:30	Hitoshi		SHIKU	Tohoku University	single-cell analysis combined with scanning ion conductance microscopy system
D-1-P26-027	26 Sep.	16:30	18:30	Yukichi		Horiguchi	University of Tsukuba	PEG-b-Polyamine Supports the High Performance Label-Free SAW Immunosensing
D-1-P26-028	26 Sep.	16:30	18:30	LakshmiPriya		THANGAVEL	University of Tsukuba	Detection of Influenza Viruses by SPFS - High performance sensing by RNA-aptamers/PEG hybridized sensor
D-1-P26-029	26 Sep.	16:30	18:30	Agnieszka		WITECKA	National Institute for Materials Science	Improvement of cytocompatibility of magnesium alloy AZ91 by surface modification
D-1-P26-030	26 Sep.	16:30	18:30	Jun		KANG	Nagoya University	Morphology-controlled Synthesis of Graphitic Carbon Nanoballs by Solution Plasma Process in Benzene
D-1-P26-031	26 Sep.	16:30	18:30	Kazuki		MURAI	Nagoya Institute of Technology	Controlled release nanocarrier utilizing a self-assembly of peptide by slight pH change
D-1-P26-032	26 Sep.	16:30	18:30	YOSHIKO		MIURA	Kyushu University	Protein separation with glycopolymer modified siliceous materials
D-1-P26-033	26 Sep.	16:30	18:30	YOSHIKO		MIURA	Kyushu University	Bio-inert surface to protein adsorption of dendrimer SAMs
D-1-P26-034	26 Sep.	16:30	18:30	Mengchen		YUE	Kyushu University	Development of high-efficient CO ₂ adsorbent by using phase transition of nanoparticles containing amine groups
D-1-P26-035	26 Sep.	16:30	18:30	Masao		SAKAKIBARA	Nagoya University	Formation and Osteoconductivity of TiO ₂ Films Anodized in Aqueous Solutions Including Nitrate Ion
D-1-P26-036	26 Sep.	16:30	18:30	Dai		YAMAMOTO	Nagoya University	Formation of Hydrophilic and Hydrophobic Anodized Films on Ti and In Vivo Evaluation