

Wednesday, November 26		Section 1. Organic and Biomolecular Chemistry Room 401	Section 2. Physical and Materials Chemistry Room 501
9:00 — 9:10	Prof. Akihiro Morita, Tohoku University		Welcome greeting, Room 501
Session 1	Chair: Prof. Doi, Tohoku University		Chair: Prof. Akihiro Morita, Tohoku University
9:10 — 9:30	Prof. Yasuhiro Fukushima, Tohoku University O-01 Extending scope of chemical process design opens wider window for sustainability: A case from combined sugar-ethanol production	Prof. Takahiro Seki, Nagoya University O-02 New Strategy for Photoalignment of Liquid Crystalline Polymers	
9:30 — 9:45	Ms. Mengmeng Zhao, Shanghai JT University O-03 Enantioselective Ruthenium(II)/Xyl-SunPhos/Daipen-Catalyzed Hydrogenation of γ -Ketoamides	Mr. Xignan Sun, Seoul National University O-04 Fractionation of molecules using an optical molecule disperser formed with a standing wave	
9:45 — 10:00	Mr. Koya Inomata, Tohoku University O-05 Synthesis and Properties of Metal Complexes with Low-Coordinated Germanium Species	Mr. Aidi Zhang, Shanghai JT University O-06 Blinking Behavior of CdSe/CdS Core/Shell Quantum Dots Controlled by Alkylthiols as Surface Trap Modifiers	
10:00 — 10:20	Prof. Kyo Han Ahn, POSTECH O-07 Toward Novel Two-Photon Absorbing Dipolar Dyes for Molecular Probes	Prof. Sunmin Ryu, POSTECH O-08 Two-Dimensional Charge and Mass Transfer at Graphene-SiO ₂ Substrates	
10:20 — 10:35	Coffee Break		
Session 2	Chair: Prof. Ahn, POSTECH		Chair: Prof. Seki, Nagoya University
10:35 — 10:55	Prof. Leyong Wang, Nanjing University O-49 (Poly)rotaxane and Dynamic Catenanes Constructed by Orthogonal Self-Assembly	Prof. Hidetoshi Oikawa, Tohoku University O-10 Recent Topics in Organic Nanocrystals	
10:55 — 11:10	Mr. Ayumu Kawase, Tohoku University O-11 Asymmetric Intramolecular Allylation of Aldehydes via Allylpalladium Intermediates	Mr. MinJun Lee, Seoul National University O-12 TQREM: New Replica Exchange Method	
11:10 — 11:25	Mr. Zhe Shen, Shanghai JT University O-13 Prediction of Surface and Bulk Equilibrium of Surfactant Solutions Based on Free Energy Calculations	Mr. Masanori Iwata, Nagoya University O-14 Preparation of Angle-independent Structural Colored Materials by Layer-by-Layer deposition	

11:25 — 11:40	<i>Mr. Haruka Ohishi, Tohoku University</i> Target Identification of Ouabagenin as an Endogenous Ligand	O-15	<i>Mr. Daiki Suzuki, Tohoku University</i> Computation of the solvation free energies on the basis of the solution theory utilizing QM/MM simulation combined with perturbation theory	O-16
11:40 — 12:00	<i>Prof. Yan Lee, Seoul National University</i> Efficient intracellular delivery based on cell penetrating peptides	O-17	<i>Dr. Dokyung Kim, POSTECH</i> Two-photon Absorbing Materials and Fluorescent Probes for Bioimaging Applications	O-18
12:00 — 13:00	Lunch		Campus Asia Committee Member's Meeting	
13:00 — 14:30		Poster Session		
Session 3	<i>Chair: Prof. Junfeng Bai, Nanjing University</i>		<i>Chair: Prof. Seokmin Shin, Seoul National University</i>	
14:30 — 14:50	<i>Prof. Yan Hong, Nanjing University</i> Metal-metal redox synergy in selective B-H activation of ortho-carborane-9,12-dithiolate	O-19	<i>Prof. Kentaro Tanaka, Nagoya University</i> Hierarchical Construction of Soft Nanomaterials	O-20
14:50 — 15:05	<i>Mr. Ming-Xing Zhang, Nanjing University</i> Metal-Organic Frameworks for Methane Storage	O-21	<i>Mr. Byungkwon Jang, Seoul National University</i> Highly Luminescent InP@GaP Quantum Dots: Reactivity Control of Precursors	O-22
15:05 — 15:20	<i>Mr. Zhengxing Wu, Shanghai JT University</i> Pd(II)-Catalyzed Aerobic Intermolecular 1,2-Diamination of Conjugated Dienes: A Regioselective (4+2) Annulation for the Synthesis of Tetrahydroquinoxalines	O-23	<i>Mr. Yin hao Zhai, Shanghai JT University</i> Polyvinyl chloride/ethylene-vinyl acetate rubber films for micro hot embossing applications	O-24
15:20 — 15:40	<i>Prof. Seung Hwan Cho, POSTECH</i> Iridium-catalyzed Borylation of Secondary C-H bonds Directed By a Hydrosilyl Group	O-25	<i>Prof. Huai Sun, Shanghai JT University</i> Enhanced Sampling Methods in Simulations of Complex Chemical Reactions	O-26
15:40 — 15:55		Coffee Break		
Session 4	<i>Chair: Prof. Yasuhiro Ohki, Nagoya University</i>		<i>Chair: Prof. Huai Sun, Shanghai JT University</i>	
15:55 — 16:15	<i>Prof. Jian-Xin Li, Nanjing University</i> Ursolic Acid Derivatives as Bone Anabolic Agents Targeted to	O-27	<i>Prof. Wataru Shinoda, Nagoya University</i> Coarse-Grained Molecular Dynamics Study of Lipid Self-	O-28

	Tryptophan Hydroxylase I (Tph-1)	Assembly
16:15 — 16:30	<i>Ms. Ayano Kawamata, Tohoku University</i> Synthetic Study of FD-891 and FD-892	<i>Mr. Wonmin Choi, Seoul National University</i> Unlocking pH-Responsive Degradability Photoisomerization
16:30 — 16:50	<i>Prof. Junfeng Bai, Nanjing University</i> Metal-organic frameworks from highly symmetric and multidentate ligands: new methodology, structures, properties, perspectives	<i>Prof. Seokmin Shin, Seoul National University</i> Controlling Reactions and Molecular Properties
16:50 — 17:05	<i>Ms. Sunyoung Kang, Seoul National University</i> Development of a novel drug carrier based on β -cyclodextrin for pH-sensitive drug release	<i>Mr. Yang Han, Nanjing University</i> Controllable Fabrication of Various Supramolecular Nanostructures Based on Nonamphiphilic Azobenzene Derivatives and Pillar[6]arene
17:05 — 17:20	<i>Mr. Soichiro Sato, Tohoku University</i> Total Syntheses of T988 B and C	<i>Mr. Norioki Abe, Tohoku University</i> Determination Method of nano-molar levels of Cd(II) by Self-assembly of a Luminescent Cd(II)-Tb(III)-Thiacalix[4]arene Ternary Complex and the Application to Determination of Sub-ppm levels of Cd in Rice
17:30 — 19:30	Welcome Reception	
Thursday November 27		
Session 5	<i>Chair: Prof. Jian-Xin Li, Nanjing University</i>	<i>Chair: Prof. Wataru Shinoda, Nagoya University</i>
9:00 — 9:20	<i>Dr. Chen Wang, Nanjing University</i> Plasmonic enhanced electrocatalytic activity of Au NPs toward glucose oxidation	<i>Prof. Doo Soo Chung, Seoul National University</i> Optical force chromatography; separation of neutral molecules by light
9:20 — 9:35	<i>Mr. Yifei Ji, Nanjing University</i> Selective Nitration of Acrylamides and Anilides	<i>Mr. Keita Ohno, Nagoya University</i> Alternating Multilayered Films of n- and p-type Semiconducting Polymers with Controlled Main Chain Orientation
9:35 — 9:50	<i>Mr. Yang Bai, Nanjing University</i>	<i>Mr. Qian Li, Nanjing University</i>

	BDP-benzimidazole Derived Fluorescent pH Probes for Intracellular Ratiometric pH Imaging	Preparation and Photoresponsive Behavior of Nanoparticles Modified with Azobenzene Thiol Mesogenic Ligands
9:50 — 10:10	<i>Prof. Yasuhiro Ohki, Nagoya University</i> Iron-Sulfur Clusters Structurally Analogous to the FeMo-cofactor of Nitrogenase	<i>Prof. Seonghoon Lee, Seoul National University</i> R/G/B/Natural White-light Colloidal Quantum Dots-Based Flexible Thin Light-Emitting Devices for Next Generation Solid-State Lightings and Displays
10:10 — 10:25	Coffee Break	
Session 6	<i>Chair: Prof. Yasuhiro Oki, Nagoya University</i>	
10:25 — 10:45	<i>Dr. Xiaoyu Hu, Nanjing University</i> Pillararene-Based Supramolecular Vesicles for Cancer Drug Delivery	<i>Prof. Yong Zhang, Shanghai JT University</i> Study on ethylene-vinyl acetate rubber/polyamide Blends
10:45 — 11:05	<i>Prof. Masahiko Yamaguchi, Tohoku University</i> Equilibrium Crossing: Beyond Le Chatelier's Principle	<i>Dr. Keitaro Eguchi, Nagoya University</i> Electronic and magnetic states of vanadium phthalocyanine in monolayer and multilayer on Ag(111)
11:05 — 11:25	<i>Prof. Hirokazu Arimoto, Tohoku University</i> Endogenous Nitrated Nucleotide Is a Key Mediator of Autophagy and Innate Defense against Bacteria	<i>Prof. Jicun Ren, Shanghai JT University</i> Tempo-Spatially Resolved Scattering Correlation Spectroscopy under Dark-Field Illumination and Its Application to Investigate Dynamic Behaviors of Gold Nanoparticles in Live Cells
11:30 — 12:30	Lunch	
12:30 — 17:40	General Discussion: Coordination of the Student's Exchange and Joint Research	
18:00 — 20:00	Banquet in Hotel Metropolitan Sendai	

Poster Presentations

- P-01** *Jingang Li, Houluo Cong, Lei Li and Sixun Zheng*
Thermoresponsive Improvement of Poly(N-isopropylacrylamide) Hydrogels via Formation of Poly(sodium *p*-styrene sulfonate) Nanophases

- P-02** *Kai Ren, Mengmeng Zhao, Bei Hu, and Zhaoguo Zhang*
Cationic Rhodium-Catalyzed Kinetic Resolution of Allylic Alcohols through Redox-Isomerization Reaction in Non-Coordinating Solvent
- P-03** *Xiaohong Huo, Ilya D. Gridnev and Wanbin Zhang*
Palladium-Catalyzed Allylic Alkylations of Simple Ketones with Allylic Amines/Ethers/Alcohols: Challenging Leaving Groups
- P-04** *Fang Xie, Zhenfeng Zhang, Mo Wang, Huai Sun and Wanbin Zhang*
Chiral Bicyclic Imidazole Nucleophilic Catalysts: Design, Synthesis, and Application to the Kinetic Resolution of Arylalkylcarbinols
- P-05** *Zhao Jin and Huai Sun*
Coarse-Grained Models for Benzene Molecule: With and Without Electrostatic Terms
- P-06** *Wenjun Peng, Lei Li, Yong Ni and Sixun Zheng*
Luminescent Epoxy Microspheres: Preparation and Functionalization
- P-07** *Juan Su*
Surface Reduced Titania for Chemoselective Hydrogenation of Nitroarenes
- P-08** *Qianjia Yuan, Kun Yao, Delong Liu and Wanbin Zhang*
Ir-Catalyzed Allylic Alkylation with Challenging Benzyl Nucleophiles
- P-09** *Shoko Kodama*
Extraction And Micronization Of β -Glucan From Barley By Subcritical Water And CO_2 Mixed Solvent

- P-10** Yuki Makanae
Visible-Light Photocatalyst SR and N Co-doped TiO₂ Synthesized by Liquid-Feed Flame Spray Pyrolysis
- P-11** Chen Wang, Xing-Hua Xia
Bio-inspired synthesis of electrocatalysts for oxygen reduction
- P-12** Qi Shen, Lei Zhang, Yu-Ren Zhou, Jian-Xin Li
Oxidant-dependent Cu-catalyzed Alkynylation and Aminomethylation: C–H versus C–C Cleavage in TMEDA
- P-13** Wei Xia, Chen Lin, Leyong Wang
Redox-controllable Polymeric Network Based on the Ferrocenium-Pillar[6]arene Supramolecular Complex
- P-14** Ilya D. Gridnev, Vladimir Yu. Osipov, Alexander E. Alexenskiy, Alexander Ya. Vul', Toshiaki Enoki
Combined Experimental and DFT Study of the Chemical Binding of Copper Ions on the Surface of Nanodiamonds