

Start Time	End Time	Presenting Author	Title	Presentation Type	Presenter Institution
18th December afternoon					
Chair: Hironao Sajiki					
1:00 PM	1:20 PM	Tomioka, Kiyoshi	Short step asymmetric synthesis of complex molecules	Invited Paper: Oral	Doshisha Women's College of Liberal Arts
1:20 PM	1:40 PM	Varela, Jesús	Catalytic ruthenium carbenes: New modes of cyclization	Invited Paper: Oral	Universidad de Santiago de compostela
1:40 PM	1:55 PM	Hosoya, Yosuke	Efficient synthesis of pyrimidine derivative, CH5132799: Control of residual palladium and overall process optimization	Contributed Paper: Oral	Chugai Pharmaceutical Co., Ltd.
Chair: Kin-ichi Tadano					
1:55 PM	2:15 PM	Ohshima, Takashi	Dinuclear Iron Complex-Catalyzed Transesterification ~Synthesis of tert-Butyl Esters and Unprecedented Chemoselectivity~	Invited Paper: Oral	Kyushu University
2:15 PM	2:30 PM	Tahara, Yuki	Development of the Novel kokimi Peptide	Contributed Paper: Oral	AJINOMOTO CO., INC.
2:30 PM	2:50 PM	KAYANO, AKIO	Development of scalable synthesis and quality control strategy for ER-403812-09	Invited Paper: Oral	Pharmaceutical Science & Technology, Eisai Product Creation Systems, Eisai Co., Ltd.
2:50 PM	3:00 PM	コーヒープレーク			
Chair: Robert Williams					
3:00 PM	3:15 PM	Lokhat, David	Design and Analysis of a Continuous Gas-Phase Process for the Production of Hexafluoropropene Oxide	Contributed Paper: Oral	University of KwaZulu-Natal
3:15 PM	3:35 PM	Yoshida, Shinya	Challenging synthesis of the highly functionalized echinocandin ASP9726: A successor of micafungin how can we achieve the large-scale synthesis	Invited Paper: Oral	Astellas Pharma Inc.
3:35 PM	3:50 PM	Britton, Joshua	The vortex fluidic device - thin film processing technology gets a new spin	Contributed Paper: Oral	Flinders University
Chair: Takeshi Sugai					
3:50 PM	4:10 PM	Fujimori, Shinji	Process development of GS-9669	Invited Paper: Oral	Gilead Sciences
4:10 PM	4:30 PM	Akai, Shuji	New horizon of lipase-catalyzed dynamic kinetic resolution of alcohols for producing optically active compounds	Invited Paper: Oral	Osaka University
4:30 PM	5:00 PM	Blackmond, Donna	Enabling sustainable organic synthesis via electrochemistry	Invited Paper: Oral	The Scripps Research Institute
19th December morning					
Chair: Mitsuru Shindo					
8:00 AM	8:20 AM	Sajiki, Hironao	Heterogeneous platinum-group metal catalyzed deuterium labeling methods on the basis of C-H activation	Invited Paper: Oral	Gifu Pharmaceutical University
8:20 AM	8:40 AM	Fujiwara, Yuta	Radical-based C-H functionalization of heteroarenes aimed at late-stage functionalization in drug discovery	Invited Paper: Oral	Meiji Seika Pharma Co., Ltd.; the scripps research institute
8:40 AM	8:55 AM	Abe, Hiroyuki	Practical synthesis of first-in-class MEK inhibitor trametinib (Mekinist®)	Contributed Paper: Oral	Central Pharmaceutical Research Institute, Japan Tobacco
Chair: Takahiko Akiyama					
8:55 AM	9:15 AM	Senanayake, Chris	Important Catalytic Transformations for Drug Development	Invited Paper: Oral	Boehringer Ingelheim Pharmaceuticals, Inc.
9:15 AM	9:35 AM	Shibata, Norio	Asymmetric synthesis of efavirenz via organocatalyzed enantioselective trifluoromethylation	Invited Paper: Oral	Nagoya Institute of Technology
9:35 AM	9:50 AM	Bhogle, Nandkumar	Application of Shibasaki asymmetric amination to manufacture of ASI-2	Contributed Paper: Oral	Sunovion Pharmaceuticals
9:50 AM	10:00 AM	コーヒープレーク			
Chair: Shinji Fujimori					
10:00 AM	10:20 AM	Kitade, Yukio	Chemical modification of the 3' -dangling end of dsRNAs for the development of RNA medicines	Invited Paper: Oral	Gifu University; Gifu University
10:20 AM	10:35 AM	Ishikura, Shinya	Citric acid assisted one-step synthesis for highly dispersed metallic Ru/SiO2 : As-prepared Ru/SiO2 catalysts for Fischer-Tropsch synthesis	Contributed Paper: Oral	University of Toyama

Start Time	End Time	Presenting Author	Title	Presentation Type	Presenter Institution
10:35 AM	10:55 AM	Miura, Toru	Development of analytical standards guaranteed by qNMR	Invited Paper: Oral	Wako Pure Chemical Industries, Ltd.
Chair: Takayuki Shioiri					
10:55 AM	11:10 AM	MIYAKE, Nobuhisa	The innovative process for carbonates from CO ₂	Contributed Paper: Oral	ASAHI KASEI CHEMICALS CORPORATION
11:10 AM	11:30 AM	Hsiao, Yi	Catalysis in the Pharmaceutical Industry :Challenges and Approaches	Invited Paper: Oral	Bristol-Myers Squibb
11:30 AM	12:00 PM	Negishi, Ei-ichi	Magical Power of d-Block Transition Metals as Catalysts for Organic Synthesis: Principles and Examples	Invited Paper: Oral	Purdue University
19th December afternoon					
Chair: Guy Humphrey					
1:00 PM	1:20 PM	Hwu, Jih Ru	New Anti-Infective Agents and A Novel Delivery Strategy	Invited Paper: Oral	National Tsing Hua University; National Central University
1:20 PM	1:40 PM	Takahashi, Daisuke	AJIPHASE®: Novel and high efficient liquid-phase peptides and oligonucleotides synthetic method for large scale manufacturing.	Invited Paper: Oral	AJINOMOTO Co., Inc.
1:40 PM	2:00 PM	Siegel, Jay	Process chemistry enabling academic basic research: Curved aromatic hydrocarbons.	Invited Paper: Oral	Tianjin University
Chair: Shuji Akai					
2:00 PM	2:15 PM	Ando, Kaori	Highly Practical New Methylenation Reagent For Aldehydes And Ketones	Contributed Paper: Oral	Gifu University
2:15 PM	2:35 PM	Hirose, Yoshihiko	Application of engineered biocatalysts in process chemistry	Invited Paper: Oral	Amano Enzyme Inc.
2:35 PM	2:50 PM	Ashida, Yuichiro	Parallel and (E)- and (Z)-stereocomplementary synthesis of multi-substituted α, β -unsaturated esters directed for process chemistry: Application to expeditious parallel syntheses of all four (E)- and (Z)- Zimeridine and Tamoxifen	Contributed Paper: Oral	Kwansei Gakuin University
2:50 PM	3:05 PM	コーヒーブレイク			
Chair: Jih Ru Hwu					
3:05 PM	3:25 PM	Shindo, Mitsuru	Cu(II)-Catalyzed dissymmetrization of dithiomalonates	Invited Paper: Oral	Kyushu University
3:25 PM	3:40 PM	Linghu, Xin	A practical synthesis of ERK inhibitor GDC-0994 on multi-kilogram scale	Contributed Paper: Oral	Genentech
3:40 PM	4:00 PM	Nakamura, Yoshitaka	Practical organocatalytic kinetic resolution of a chiral bicyclic ketone for synthesis of a pharmaceutical key intermediate	Invited Paper: Oral	Daiichi Sankyo Co., Ltd.
Chair: Kiyoshi Tomioka					
4:00 PM	4:20 PM	Humphrey, Guy	Development of efficient syntheses of drug candidates and intermediates exploiting novel asymmetric Phase Transfer Catalysed (PTC) reactions.	Invited Paper: Oral	Merck & Co.
4:20 PM	4:40 PM	Akiyama, Takahiko	Enantioselective synthesis of chiral amines based on the transfer hydrogenation of ketimines by means of chiral phosphoric acid	Invited Paper: Oral	Gakushuin University
4:40 PM	5:00 PM	Shioiri, Takayuki	Will new synthetic reagents open the door to the future?	Invited Paper: Oral	Nagoya City University
Poster Srsion 19th December 19:00-21:00					
		Ahn, Hogeun	Alkylation of phenol with styrene over solid acid catalysts	Contributed Paper: Poster	Sunchon National University
		Al-Kinany, Mohammed	Isopropylation of Benzene over Modified Zeolite with Metal Oxide to Produce Isopropylbenzene (Cumene)	Contributed Paper: Poster	King Abdul Aziz City for Science and Technology; Oxford university
		Almegren, Hamid	Catalytic cracking of vacuum residue over modified zeolite to produce light olefins	Contributed Paper: Poster	King Abdulaziz City for Science & Technology
		Asai, Shota	Platinum group metal on carbon-catalyzed aqueous dehydrogenation of alcohols	Contributed Paper: Poster	Gifu Pharmaceutical University
		Endo, Natsuki	Liquid-phase mixture synthesis of 36 peptides using fluorour-Fmoc protection strategy and their ACE inhibitory activities	Contributed Paper: Poster	Meijo University
		Esaki, Hiroyoshi	Palladium on spherical carbon (Pd/SC) as a catalyst for chemoselective hydrogenation	Contributed Paper: Poster	Hyogo College of Medicine
		Fujiwara, Tetsuya	Chiral cyclopropane and cyclobutane forming-reactions using α -anion of nitriles; asymmetric synthetic study of (1R,3R)-metofluthrin and (+)-grandisol	Contributed Paper: Poster	Kwansei Gakuin University

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		Fujiwara, Tomoya	Mild and environmentally friendly oxidative cleavage reaction of oxacyclic methanols to lactones by 2-iodobenzamide catalyst-Oxone combination	Contributed Paper: Poster	University of Toyama
		Hanamura, Shun	Enzyme-catalyzed phenolic acetyl group manipulation technology-2: application toward synthesis of glycosylated derivatives	Contributed Paper: Poster	Keio University
		Honda, Atsushi	(E)-, (Z)-Stereocomplementary parallel synthesis of (E)- and (Z)- Tamoxifens	Contributed Paper: Poster	Kwansei Gakuin University
		Ichikawa, Tomohiro	Heterogeneous palladium catalyst supported on anion exchange resin for chemoselective hydrogenation and Suzuki-Miyaura reaction of chloroarenes	Contributed Paper: Poster	Gifu Pharmaceutical University
		Ide, Masataka	Regio- and stereoselective synthesis of (E)-1-bromo-2-iodoalkenes from internal alkynes	Contributed Paper: Poster	Ryukoku university
		Ide, Masataka	Regio- and stereoselective synthesis of vicinal (Z) -dihaloalkenyl silanes through in situ generated BrCl	Contributed Paper: Poster	Ryukoku university
		Ishihara, Kotaro	SN2 displacement at the quaternary carbon center: a novel entry to the synthesis of α , α -disubstituted α -amino acids	Contributed Paper: Poster	Meijo University
		Kajimoto, Satomi	Practical preparation of α -formyl esters from simple esters and methyl formate utilizing Ti-Claisen condensation and its utilization for useful building blocks.	Contributed Paper: Poster	Kwansei Gakuin University
		Kamitanaka, Tohru	Development of Regioselective Introduction of Nucleophiles toward Quinone Monoacetals by Design of Specific Acid Catalyst	Contributed Paper: Poster	Ritsumeikan University
		Kim, Vicna	Efficient hydroarylation of phenol with styrene employing mixed catalysts	Contributed Paper: Poster	Sunchon National University
		Kiyota, Yuki	Chiral phosphoric acid catalyzed asymmetric transfer hydrogenation of trifluoromethylated imines	Contributed Paper: Poster	Gakushuin University
		Kondo, Masaru	Enantioselective reaction of α -heteroacetonitriles using palladium pincer complexes with chiral bis(imidazoline)s	Contributed Paper: Poster	Nagoya institute of technology
		Kuroda, Kiichi	Efficient synthesis of a PDE 4 inhibitor by using Pd-Cu catalyzed C-H/C-Br coupling of benzoxazole with a heteroaryl bromide	Contributed Paper: Poster	Sumitomo Dainippon Pharma Co., Ltd.
		Mase, Nobuyuki	Green organic synthesis in gas-related multiphase reactions using micro- and nanobubbles strategy	Contributed Paper: Poster	Shizuoka University
		Masuda, Masahiro	FeCl ₃ -catalyzed self cleavage of methoxyphenylmethyl protected alcohols	Contributed Paper: Poster	Gifu Pharmaceutical University
		Miura, Toru	Development of standard solutions for qNMR	Contributed Paper: Poster	Wako Pure Chemical Industries, Ltd.
		Monguchi, Yasunari	One-pot N-arylindole synthesis from 2-bromophenethylamine	Contributed Paper: Poster	Gifu Pharmaceutical University
		Moriya, Yuka	Chiral Phosphoric Acid Catalyzed Asymmetric Synthesis of Dihydroquinolones Using Aza-Michael Reaction	Contributed Paper: Poster	Gakushuin University
		Nakajima, Noriyuki	Synthesis of procyanidins and their derivatives using silyl-protecting group	Contributed Paper: Poster	Toyama Prefectural University
		Nambu, Hisanori	Development of magnetic nanoparticle-supported iodoarene oxidative catalysts and its application	Contributed Paper: Poster	University of Toyama
		Oguri, Kazuma	A concise synthesis of all stereoisomers of Dendroamide A employing fluorous-Fmoc reagents	Contributed Paper: Poster	Meijo university
		Sawama, Yoshinari	Stainless steel-mediated hydrogen generation from water using ball milling and its application	Contributed Paper: Poster	Gifu Pharmaceutical University
		Son, Seokhwan	Study on the Synthesis of Styrenated Phenol Using Organometallic Catalysts	Contributed Paper: Poster	Sunchon Univ.
		Sugiyama, Yuya	Asymmetric epoxidation of aromatic olefins using light fluorous salen manganese complex: Enhancement of enantioselectivity by the addition of benzotrifluoride as a cosolvent	Contributed Paper: Poster	Meijo university
		Yamada, Tsuyoshi	Platinum group metal on carbon-catalyzed multiple deuteration of arenes and alkanes in 2-propanol/D ₂ O mixed solvent	Contributed Paper: Poster	Gifu Pharmaceutical University
		Yashiro, Kazuki	Enzyme-catalyzed phenolic acetyl group manipulation technology-1: application to the synthesis of physiologically active natural products	Contributed Paper: Poster	Keio University Faculty of Pharmacy Graduate School of Pharmaceutical Sciences