Program

MONDAY, JULY 6, 2015

15:00–17:00	Registration		
17:10–17:20	Opening Remarks: Keiji MARUOKA		
17:20–18:05	Plenary L Chair: Yasu		
	enantiosele Benjamin LI (Departmen	c counteranion directed catalysis (ACDC): a general approach to ective synthesis	
18:05–18:50	Plenary L Chair: Yasu		
	Hisashi YAN	xidation—Metal and Non-Metal Systems—26 MAMOTO Catalyst Research Center, Chubu University, Japan)	
19:00–20:30	Reception		
TUESDA	Y, JULY 7	; 2015	
9:00–12:00	Session A Chairs: Keiji MARUOKA Tomislav ROVIS		
	9:00-9:30	[A-1] New catalytic strategies for chemical synthesis30 Matthew GAUNT (Department of Chemistry, University of Cambridge, UK)	
	9:30-10:00	[A-2] Transfer hydrogenation reactions of ketimines by means of chiral phosphoric acid	
	10:00–10:30	[A-3] Catalytic Asymmetric Semipinacol Rearrangement34 Yong-Qiang TU (State Key Laboratory of Applied Organic Chemistry, Lanzhou University, China)	

10:30-11:00 Coffee Break

	11:00–11:30 [A-4] Enantioselective Multicatalysis
	11:30–12:00 [A-5] Metal-Free Oxidative Coupling Reactions by Hypervalent Iodine Reagent 38 Yasuyuki KITA (Research Organization of Science and Technology, Ritsumeikan University, Japan)
12:00-12:30	Flash Oral Presentations (Poster Numbers: 1, 3, 5, 7, 9, 11, 13, 15, 19, 21, 23, 25, 27)
12:30–14:00	Lunch
14:00–14:45	Plenary Lecture 3 Chair: Hisashi YAMAMOTO
	The discovery and invention of new chemical reactions using photoredox catalysis
14:45–17:45	Session B Chairs: Darren J. DIXON Masahiro TERADA
	14:45–15:15 [B-1] Searching for Selective Reactions on Complex Molecular Scaffolds with Catalysis 42 Scott J. MILLER (Department of Chemistry, Yale University, USA)
	15:15–15:45 [B-2] Discovery of 4-oxa-5-azahomoadamantanes: Novel alkoxyamine-type precatalysts for alcohol oxidation
	15:45–16:15 Coffee Break
	16:15–16:45 [B-3] Asymmetric photo-organocatalysis: making chiral molecules with light

	16:45–17:15	In-situ generation of less accessible or unprecedented imines form aminals for asymmetric organocatalysis		
	17:15–17:25	[B-5 (PS No. 55)] Development of efficient peptide catalysts by a facile library screening method Kengo AKAGAWA (Institute of Industrial Science, The University of Tokyo, Japan)		
	17:25–17:35	[B-6 (PS No. 17)] Catalytic direct Mannich-type reaction of carboxylic acids using boron compounds as a chemoselective activator Yohei SHIMIZU (Graduate School of Pharmaceutical Sciences, The University of Tokyo, Japan)		
	17:35–17:45	Asymmetric organocatalysis with helically chiral poly(quinoxaline-2,3-diyl)s bearing DMAP-type pendants160 Takeshi YAMAMOTO (Graduate School of Engineering, Kyoto University, Japan)		
17:45–18:15		Il Presentations umbers: 31, 33, 35, 37, 39, 41, 43, 45, 47, 49, 51, 57, 59)		
18:15–19:30	Dinner			
19:30–21:30	Poster Se	ssion [1]: Odd Numbers		
WEDNESDAY, JULY 8, 2015				
9:00–12:00		chiko AKIYAMA i M. PIHKO		
	9:00-9:30	[C-1] Enantioselective Catalysis With Cations and Anions54 Dean F. TOSTE (Department of Chemistry, University of California, Berkeley, USA)		
	9:30-10:00	[C-2] Synthesis of natural products based on guanidine-thiourea bifunctional organocatalysis		

	10:00–10:30 [C-3] Design of Supramoleular Catalysts for the Enantio-, Diastereo-, Regio-, and Substrate-Selective Diels-Alder Reactions Kazuaki ISHIHARA (Graduate School of Engineering, Nagoya University, Japan)
	10:30-11:00 Coffee Break
	11:00–11:30 [C-4] Catalytic methods for simplifying synthesis
	11:30–12:00 [C-5] Asymmetric catalysis for the Michael addition of α,β-unsaturated carboxylic acids Yoshiji TAKEMOTO (Graduate School of Pharmaceutical Sciences, Kyoto University, Japan)
12:00–12:30	Flash Oral Presentations (Poster Numbers: 2, 4, 6, 8, 10, 12, 16, 18, 20, 22, 24, 26, 28)
12:30–14:00	Lunch
14:00–17:30	Session D Chairs: Matthew GAUNT Takashi OOI
	14:00–14:30 [D-1] Enantio- and Site-Selective Molecular Transformation by Organocatalysis
	14:30–15:00 [D-2] Deprotonative functionalization of arenes and heteroarenes using organocatalytic systems
	15:00–15:30 [D-3] Activation of nucleophiles for asymmetric reactions with organic molecules Li DENG (Department of Chemistry, Brandeis University, USA)

15:30-16:00 Coffee Break

	16:00-16:30 [D-4]		
		Enantioselective Double Aldol Reaction Catalyzed by Chiral Phosphine Oxides70	
		Makoto NAKAJIMA (Graduate School of Pharmaceutical Sciences, Kumamoto University, Japan)	
	16:30–17:00	Nucleophilic Carbenes for Asymmetric Umpolung: From Acyl Anion to Internal Redox Catalysis and Beyond72 Tomislav ROVIS (Department of Chemistry, Colorado State University, USA)	
	17:00-17:10	D [D-6 (PS No. 14)]	
		Enantioselective Organocatalytic Photoredox Reactions Promoted by Iron(II) Complexes 107 Pier Giorgio COZZI (Dipartimento di Chimica G. Ciamician, Università di Bologna, Italy)	
	17:10–17:20 [D-7 (PS No. 44)]		
		Asymmetric fluoro-lactonization catalyzed by a chiral hydroxyl carboxylate under phase-transfer conditions149 Hiromichi EGAMI (School of Pharmaceutical Sciences, University of Shizuoka, Japan)	
	17:20-17:30	D [D-8 (PS No. 40)]	
	77.20-17.00	Catalytic behaviour of carbon acid derivatives	
17:30–18:00	Flash Oral Presentations (Poster Numbers: 30, 32, 34, 36, 38, 42, 46, 48, 50, 52, 54, 56, 58, 60)		
18:00–19:30	Dinner		
19:30–21:30	Poster Se	ession [2]: Even Numbers	
THURSD	AY. JULY	9. 2015	
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9:00–12:00	Session E Chairs: Paolo MELCHIORRE Makoto NAKAJIMA		
	9:00-9:30	[E-1] Run to the Hills: Mechanistic Insights on Selectivity and Rates in Organocatalysis74 Petri M. PIHKO	

(Department of Chemistry and NanoScience Center,

University of Jyväskylä, Finland)

	9:30-10:00	[E-2] Pot-synthesis of medicinally important organic compound by organocatalyst	
	10:00-10:30	Coffee Break	
	10:30–11:00	[E-3] Asymmetric Catalysis of Designer Chiral Organic Ion Pairs ······80 Takashi OOI (Institute of Transformative Bio-Molecules (ITbM), Nagoya University, Japan)	
	11:00–11:30	[E-4] Enantioselective Transformation of Cationic Intermediates Mediated by Chiral Phosphoric Acid Catalyst	
	11:30–12:00	[E-5] Organocatalysis: a new toolbox in asymmetric catalysis86 Karl Anker JØRGENSEN (Department of Chemistry, Aarhus University, Denmark)	
12:00–12:15	Announce	Announcement of Grant Recipients	
12:15–12:20	Closing R	emarks: Keiji MARUOKA	
12:20-13:20	Lunch		