

The 23rd International Conference on Organic Synthesis

ZHANGJIANG SCIENCE HALL, October 15-20,2023

Main Venue: Zhangjiang Hall

Parallel Sessions: Zhangjiang Hall A / Zhangjiang Hall B / Inspire Hall / MIP Space

PL: Plenary Lecture AL: Awardee Lecture IL: Invited Lecture OL: Oral Lecture

16 October 2023 Plenary Session			
Location: Zhangjiang Hall	Opening Ceremony	08:15-08:20	Dawei Ma , Shanghai Institute of Organic Chemistry, CAS
		08:20-08:25	Amélia Pilar Rauter , Universidade de Lisboa
		08:25-08:30	Yong Tang , Shanghai Institute of Organic Chemistry, CAS
	Session Chair: Dawei Ma	08:30-09:20	Benjamin List , Max-Planck-Institut für Kohlenforschung PL01: Universal Organocatalysts for Our World
		09:20-10:10	Mikiko Sodeoka , RIKEN Cluster for Pioneering Research PL02: Transition Metal Enolate Chemistry: Past, Present, and Future
		10:10-10:30	Coffee Break
	Session Chair: Henry N. C. Wong	10:30-11:20	Erick M. Carreira , ETH Zürich PL03:
		11:20-12:10	Qi-Lin Zhou , Nankai University PL04: Chiral Spiro Catalysts and Their Applications in Asymmetric Synthesis
		12:10-13:30	Lunch

16 October 2023 Parallel Session 1			
Parallel Session 1 Location: Zhangjiang Hall A	Session Chair: Xiaoguang Lei	13:30-14:00	Jieping Zhu , Ecole Polytechnique Fédérale de Lausanne IL01: Nitro Group as a Lynchpin in Alkaloid Synthesis
		14:00-14:30	Yujiro Hayashi , Tohoku University IL02: Organocatalyst and Pot Economical Synthesis
		14:30-15:00	Yonggui Robin Chi , Nanyang Technological University IL03: NHC Catalysis, Medicines, and Agrochemicals
		15:00-15:15	Guozhi Xiao , Kunming Institute of Botany, CAS OL01: Modular Synthesis of a Tridecasaccharide Motif of <i>Bacteroides vulgatus</i> Lipopolysaccharides against Inflammatory Bowel Diseases through an Orthogonal One-Pot Glycosylation Strategy
		15:15-15:30	Feng Gao , Shanghai Jiao Tong University OL02: Asymmetric synthesis of bedaquiline and its analogues on bimetallic synergistic system and non-covalent interaction promotion strategies
		15:30-16:00	Coffee Break
	Session Chair: Jieping Zhu	16:00-16:30	Xiaoguang Lei , Peking University IL04: Translational Natural Product Research
		16:30-17:00	Hongbin Zhang , Yunnan University IL05: Structure-unit based approaches towards the synthesis of some natural alkaloids
		17:00-17:30	Bo Liu , Sichuan University IL06: Total Synthesis of Sculponin U: Application of Photoinduced Radical Cascade of Silyl Enol Ether
		17:30-17:45	Dawen Niu , Sichuan University OL03: Radical Pathway Glycosylation Empowered by Bench-Stable Glycosyl Donors
		17:45-18:00	Hai-Hua Lu , Westlake University OL04: Cyclolignan Synthesis Streamlined by Asymmetric Hydrogenation of Tetrasubstituted Olefins

16 October 2023				Parallel Session 2	
Parallel Session 2 Location: Zhangjiang Hall B	Session Chair: Xiaodong Shi	13:30-14:00	Koji Hirano , Osaka University IL07: Synthesis of π -Conjugated Benzophospholes: Ring Construction and C–H Functionalization Approaches		
		14:00-14:30	Jianbo Wang , Peking University IL08: Catalytic Metal Carbene Transformations for Organic Synthesis and Polymer Synthesis		
		14:30-15:00	Feng Shi , Jiangsu Normal University & Changzhou University IL09: Chiral Indole Chemistry		
		15:00-15:15	Aspen X. -Y. Chen , The University of Hong Kong OL05: Selective Transformations in Cyclodextrin Metal-Organic Frameworks		
		15:15-15:30	Tian-Sheng Mei , Shanghai Institute of Organic Chemistry OL06: Development and Application of Organometallic Electrochemical Synthesis		
		15:30-16:00	Coffee Break		
	Session Chair: Feng Shi	16:00-16:30	Henry N. C. Wong , The Chinese University of Hong Kong IL10: Chiral Hydroxytetraphenylenes: Resolution, Reactions, and Asymmetric Catalysis		
		16:30-17:00	Xiaodong Shi , University of Maryland College Park IL11: Gold Catalysis from Redox Chemistry and Vinyl Gold Intermediates		
		17:00-17:30	Da-Gang Yu , Sichuan University IL12: Organic Synthesis with CO ₂		
		17:30-17:45	Weiwei Zi , Nankai University OL07: Transition-Metal Catalysis Enabled New Adventures to 2-Oxyallyl Cations and 2-Aminoallyl Cations		
		17:45-18:00	Ju Wu , Ningbo University OL08: Electrochemical Synthesis of Functionalized Indole Derivatives		

16 October 2023				Parallel Session 3	
Parallel Session 3 Location: Inspire Hall	Session Chair: Eric Meggers	13:30-14:00	Qing-Hua Fan , Institute of Chemistry, CAS IL13: Asymmetric Hydrogenation of (Hetero)aromatic Compounds		
		14:00-14:30	X. Peter Zhang , Boston College IL14: Metalloradical Catalysis for Organic Synthesis		
		14:30-15:00	Zhiwei Zuo , Shanghai Institute of Organic Chemistry IL15: LMCT Catalysis for selective functionalizations of strong bonds		
		15:00-15:15	Chun-Xiang Zhuo , Xiamen University OL09: Molybdenum-catalyzed direct deoxygenative functionalization reactions of carbonyl compounds		
		15:15-15:30	Eisuke Ota , Waseda University OL10: Photocatalytic C–N bond cleavage of pyrrolidines enabled by Lewis acid and photoredox catalysis		
		15:30-16:00	Coffee Break		
	Session Chair: X. Peter Zhang	16:00-16:30	Xiaoming Feng , Sichuan University IL16: <i>N,N'</i> -Dioxide-Metal complexes-Catalyzed Asymmetric Radical Reactions		
		16:30-17:00	Eric Meggers , Philipps-Universität Marburg IL17: Nitrene-Mediated C–H Functionalization: New Directions		
		17:00-17:30	Qiang Liu , Tsinghua University IL18: Structure, Reactivity and Catalytic Properties of Metal-Hydride Amidate Complexes		
		17:30-17:45	Alexey S. Galushko , Zelinsky Institute of Organic Chemistry, RAS OL11: Comparison of the catalytic activity of Pd and Cu-based catalysts in C–N bond formation reactions		
		17:45-18:00	Chen Zhu , Eastern Institute of Technology, Ningbo OL12: Selectivity-control in Nickel Catalyzed Cross-Coupling Reactions		

16 October 2023

Parallel Session 4

Parallel Session 4	Session Chair: Shuji Akai	13:30-14:00	Chris Senanayake , TCG GreenChem Inc. IL19 : Development of Scalable and Cost-Effective API Synthesis through Chemical Innovation	
		14:00-14:30	Roland Goetz , BASF SE IL20 : Synthesis & Process Development of a structurally complex, chiral, mesoionic Insecticide!	
		14:30-15:00	Cheng Yi Chen , Mirati Therapeutics IL21 : Development of a scalable atroposelective process to MRTX1719-an inhibitor of the PRMT5•MTA complex	
		15:00-15:15	Bin Wu , Novartis OL13 : Integration of biocatalysis, surfactant chemistry and continuous manufacturing in pharmaceutical synthesis	
		15:15-15:30	Chengxi Li , Zhejiang University OL14 : Synthesis too slow? Let the robot do it faster	
		15:30-16:00	Coffee Break	
	Location: MIP Space	Session Chair: Cheng Yi Chen	16:00-16:30	Shuji Akai , Osaka University IL22 : How can synthetic chemists use lipases for asymmetric synthesis?
			16:30-17:00	Yong-Gui Zhou , Dalian Institute of Chemical Physics, CAS IL23 : Biomimetic Asymmetric Reduction Based on NAD(P)H
			17:00-17:30	Xun Li , Shanghai Hengrui Pharmaceutical Co., Ltd. IL24 : Computational Insights into GPCRs: Unveiling Mechanisms and Advancing Small Molecule and Antibody Drug Design
			17:30-17:45	Xueliang Huang , Hunan Normal University OL15 : Palladium-Catalyzed Bridging C-H Activation
17:45-18:00			Wei Li , Novartis OL16 : Development of a commercially viable synthesis for TNO155, a first-in-class allosteric SHP2 inhibitor	

17 October 2023 Parallel Session 1

Parallel Session 1 Location: Zhangjiang Hall A	Session Chair: Mingji Dai	08:15-08:45	Mei-Xiang Wang , Tsinghua University IL25: Construction of Zigzag Hydrocarbon Nanobelts and Heteroatom-Doped Analogs
		08:45-09:15	Hidetoshi Tokuyama , Tohoku University IL26: Total Synthesis of Structurally Complex Alkaloids via Late-Stage Oxidative Transformations
		09:15-09:45	Ran Hong , Shanghai Institute of Organic Chemistry IL27: Biomimetic Synthesis of Lankacidin Antibiotics
		09:45-10:00	Jun Deng , Nankai University OL17: Bioinspired Network Analysis Enabled Divergent Syntheses of Pentacyclic Cytochalasans and Merocytochalasans
		10:00-10:30	Coffee Break
	Session Chair: Hidetoshi Tokuyama	10:30-11:00	Zhen Yang , Peking University Shenzhen Graduate School IL28: Synthesis of Tetracyclic Skeleton of <i>Aspidosperma</i> Alkaloids via PET-Initiated Cationic Radical-Derived Interrupted [2+2]/Retro-Mannich Reaction
		11:00-11:30	Mingji Dai , Emory University IL29: Chemistry Innovation and Biological Discovery through Natural Product Total Synthesis
		11:30-12:00	Gong Chen , Nankai University IL30: Exploration of the new chemical space of peptide macrocycles
		12:00-12:15	Willi M. Amberg , ETH Zürich OL18: Enantioselective total synthesis of (+)-aberrarone
		12:15-13:30	Lunch
	Session Chair: Xuechen Li	13:30-14:00	David A. Leigh , University of Manchester & East China Normal University IL31: Giving Chemistry Direction
		14:00-14:30	Yanxing Jia , Peking University IL32: Divergent Total Synthesis Inspired by Nature
		14:30-15:00	Chuang-Chuang Li , Southern University of Science and Technology IL33: Total Synthesis of Bridged Natural Products
		15:00-15:15	Chang Guo , University of Science and Technology of China OL19: Lewis acid-catalyzed Asymmetric Electrochemical Synthesis
		15:15-15:30	Quan Cai , Fudan University OL20: Catalytic asymmetric inverse-electron-demand Diels–Alder reactions of 2-pyrones
		15:30-16:45	Coffee Break & Poster Session 1
	Session Chair: Yanxing Jia	16:45-17:15	Xuechen Li , The University of Hong Kong IL34: Total synthesis, medicinal chemistry and chemical biology studies on daptomycin
		17:15-17:45	Xuefeng Jiang , East China Normal University IL35: The journey of alkaloids total synthesis
		17:45-18:15	Yandong Zhang , Xiamen University IL36: Total Synthesis of Highly Oxidized Polycyclic Terpenes and Steroids
		18:15-18:30	Pengfei Hu , Westlake University OL21: Strategies for the Efficient Synthesis of Densely Functionalized Polycyclic Natural Products

17 October 2023 Parallel Session 2

Parallel Session 2 Location: Zhangjiang Hall B	Session Chair: Qiuling Song	08:15-08:45	Burkhard König , University of Regensburg IL37: Better organic synthesis with light!
		08:45-09:15	Liang-Qiu Lu , Central China Normal University IL38: Visible Light Induced Controlled Radical Reactions
		09:15-09:45	Norio Shibata , Nagoya Institute of Technology IL39: Silyl Radical-Mediated Cross-Coupling Reactions of Organic Fluorides
		09:45-10:00	Bo Peng , Zhejiang Normal University OL22: Aromatic sulfonium/iodonium Claisen rearrangement
		10:00-10:30	Coffee Break
	Session Chair: Norio Shibata	10:30-11:00	Amélia Pilar Rauter , Universidade de Lisboa IL40: Polyphenol C-glucosylation, the chemistry towards bioavailable and efficient polyphenols
		11:00-11:30	Qiuling Song , Fuzhou University IL41: Unusual Metallate Shifts based on Tetracoordinate Boron Species
		11:30-12:00	Kyungsoo Oh , Chung-Ang University IL42: Development of Aerobic Oxidation-Driven Synthetic Transformations
		12:00-12:15	Xiao-Chen Wang , Nankai University OL23: C3-Selective Pyridine Functionalization via Dihydropyridines
		12:15-13:30	Lunch
	Session Chair: Hideke Yorimitsu	13:30-14:00	Teck-Peng Loh , Nanyang Technological University IL43: Green and Biocompatible Organic Reactions and Their Applications
		14:00-14:30	Qiu Wang , Duke University IL44: Copper-Catalyzed Aminofunctionalization of Alkenes
		14:30-15:00	Ning Jiao , Peking University IL45: C-C Bond Nitrogenation
		15:00-15:15	Konstantin P. Bryliakov , Zelinsky Institute of Organic Chemistry, RAS OL24: Direct Regio- and Stereoselective Heterofunctionalizations of C(sp ³)-H Groups in the Presence of Mn Complexes
		15:15-15:30	Lei Liu , Shandong University OL25: Earth-Abundant Metal Catalyzed Asymmetric Oxidation of Amines
		15:30-16:45	Coffee Break & Poster Session 1
	Session Chair: Qiu Wang	16:45-17:15	Hideki Yorimitsu , Kyoto University IL46: Reductive Metalation of Unsaturated Bonds by Taming Radical Anions
		17:15-17:45	Sanzhong Luo , Tsinghua University IL47: Externally Tuning Secondary Enamine Intermediate in Chiral Primary Amine Catalysis
		17:45-18:15	Xinjun Luan , Northwest University IL48: Studies on Dearomative Spiroannulation Reactions
		18:15-18:30	Vera A. Vil' , Zelinsky Institute of Organic Chemistry, RAS OL26: Cyclic acylperoxides: from unstable intermediates to atom-efficient oxidants

17 October 2023 Parallel Session 3

Parallel Session 3 Location: Inspire Hall	Session Chair: Takuya Kochi	08:15-08:45	Shu-Li You , Shanghai Institute of Organic Chemistry IL49: Recent Progress on Catalytic Asymmetric Dearomatization Reactions
		08:45-09:15	Liming Zhang , University of California, Santa Barbara IL50: Basic Group in Stereoselective Transformation: From Ligand-Enabled Cooperative Gold Catalysis to a General Approach to S_N2 Glycosylation
		09:15-09:45	Itaru Nakamura , Tohoku University IL51: Cu-Catalyzed [1,3]-Rearrangement Reactions via N-O Bond Cleavage
		09:45-10:00	Hang Shi , Westlake University OL27: Transition-metal-catalyzed arene functionalization via π -coordination
		10:00-10:30	Coffee Break
	Session Chair: Liming Zhang	10:30-11:00	Guosheng Liu , Shanghai Institute of Organic Chemistry IL52: Site- and Enantioselective sp^3 C-H Cyanation via Copper-Catalyzed Radical Relay
		11:00-11:30	Takuya Kochi , Keio University IL53: Nondissociative Chain Walking of Pd Catalysts: Reaction Developments and Mechanistic Analyses
		11:30-12:00	Yang Yang , University of California Santa Barbara IL54: New Strategies for Stereoselective Radical Biocatalysis
		12:00-12:15	Senmiao Xu , Lanzhou Institute of Chemical Physics, CAS OL28: Chiral bidentate boryl ligand enabled asymmetric $C(sp^3)$ -H borylation
		12:15-13:30	Lunch
	Session Chair: Qian Zhang	13:30-14:00	Liu-Zhu Gong , University of Science and Technology of China IL55: Organobase/Metal Cooperative Asymmetric Catalysis
		14:00-14:30	Yixin Lu , National University of Singapore IL56: Recent synthetic studies towards the construction of axially chiral molecules
		14:30-15:00	Fuk Yee Kwong , The Chinese University of Hong Kong IL57: Atropisomeric Phosphine Ligands: Synergism of C-N Axial Chirality, Relevant N-Coordination and Unique π -Arene Walking
		15:00-15:15	Tianli Wang , Sichuan University OL29: Asymmetric Synthesis via Chiral Peptide-mimic Phosphonium Salt Catalysis
		15:15-15:30	Haohua Huo , Xiamen University OL30: Unlocking the Power of Halogen Radicals: Novel Access to Enantioselective $C(sp^3)$ -H Functionalization
		15:30-16:45	Coffee Break & Poster Session 1
	Session Chair: Fuk Yee Kwong	16:45-17:15	Wei Liu , University of Cincinnati IL58: Copper-Catalyzed Fluoroalkylation Reactions: Synthesis and Mechanistic Insights
		17:15-17:45	Qian Zhang , Northeast Normal University IL59: New Methods for C-N Bonds Formation Based on Radical Intermediate
		17:45-18:15	Xiangbing Qi , National Institute of Biological Sciences IL60: Visible-Light-Induced Cross-Coupling of Alkyl-Zr
		18:15-18:30	Pawittra Chaibuth , Chulalongkorn University OL31: Copper(II)-quinoline complexes as efficient photocatalysts for atom transfer radical addition of olefins

17 October 2023

Parallel Session 4

Parallel Session 4	Session Chair: László Kürti	08:15-08:45	Xumu Zhang , Southern University of Science and Technology IL61: Application of Chiral Multidentate Ligands in Efficient Asymmetric Hydrogenation	
		08:45-09:15	Troels Skrydstrup , Aarhus University IL62: From Plastic Disassembly to Carbon Capture with Waste Plastic	
		09:15-09:45	Xin-Yuan Liu , Southern University of Science and Technology IL63: Chiral Anion/Cu-Catalyzed Enantioconvergent Radical Cross-Couplings	
		09:45-10:00	Ning Ye , Novartis OL32: Unified Catalysis Strategy enabled Sustainable Pharmaceutical Manufacturing	
		10:00-10:30	Coffee Break	
	Session Chair: Dhileep Krishnamurthy	10:30-11:00	Daniel J. Weix , University of Wisconsin–Madison IL64: New Frontiers in Cross-Electrophile Coupling	
		11:00-11:30	László Kürti , Rice University IL65: Advances in the Synthesis and Application of Strained-Ring Compounds	
		11:30-12:00	Bin Tan , Southern University of Science and Technology IL66: Axially Chiral Compounds: Asymmetric Synthesis and Applications	
		12:00-12:15	Dmitry Katayev , University of Bern OL33: Simplifying nitration chemistry: from reagent design to catalytic processes	
		12:15-13:30	Lunch	
	Session Chair: Yun Ding	13:30-14:00	Haoran Li , Zhejiang University IL67: Hydroxylation of Aromatic C–H with Oxoammonium Cation as Oxidant and Water as Oxygen Source	
		14:00-14:30	Rakeshwar Bandichhor , Dr. Reddy's Laboratories IL68: Taming Complexity in APIs Through Innovative Process Chemistry Approaches	
		14:30-15:00	Frederic Buono , Boehringer-Ingelheim Pharmaceuticals IL69: Exploratory Innovations as a Path to the Lab of the Future. New Technology Applications for API Development	
		15:00-15:15	Mingxin Liu , Lanzhou University OL34: Photocatalytic 'Green' Conversion of Methanol	
		15:15-15:30	Tianfei Liu , Nankai University OL35: Evaluation of the binding energies of intramolecular H-bonds in metal hydrides and their influences on PCET processes	
		15:30-16:45	Coffee Break & Poster Session 1	
	Session Chair: Frederic Buono	16:45-17:15	Pierre H. Dixneuf , University of Rennes-CNRS IL70: Catalysis: a Key to Polypyridines, Fused Heterocycles, and Phosphines via C-H Bond Functionalizations	
		17:15-17:45	Chun-Jiang Wang , Wuhan University IL71: Synergistic Catalysis Enabled Asymmetric Synthesis of Chiral α -Amino Acids and Heterocycles	
		17:45-18:15	Yun Ding , GSK IL72: Chemistry in DNA-Encoded Library Technology	
		18:15-18:30	Zheng-Hui Guan , Northwest University OL36: Palladium-catalyzed hydrocarbonylation of alkenes	

Location:
MIP Space

18 October 2023 Plenary Session			
Location: Zhangjiang Hall	Session Chair: Zuwei Xie	08:30-09:20	Gregory C. Fu , California Institute of Technology PL05 : Nucleophilic Substitution Reactions: A Radical Alternative to S _N 1 and S _N 2 Reactions
		09:20-10:10	Masayuki Inoue , The University of Tokyo PL06 : Radical-Based Approach for Synthesis of Complex Natural Products
		10:10-10:40	Coffee Break
	Session Chair: Mikiko Sodeoka	10:40-10:50	Thieme-IUPAC Award
		10:50-11:40	Ang Li , Shanghai Institute of Organic Chemistry AL :
		11:40-13:30	Lunch

18 October 2023 Parallel Session 1			
Location: Zhangjiang Hall A	Session Chair: Baoguo Zhao	13:30-14:00	Minoru Isoe , Nagoya University IL73 : New Chemistry using Acetylene-Cobalt Complex for Natural Product Synthesis
		14:00-14:30	Yefeng Tang , Tsinghua University IL74 : Natural Product-Driven Innovations in Synthetic Strategy and Method
		14:30-15:00	Hongbin Zhai , Peking University Shenzhen Graduate School IL75 : Total Synthesis of Several Cephalotaxus Diterpenoids
		15:00-15:15	Yangbin Liu , Shenzhen Bay Laboratory OL37 : Stereodivergent total synthesis of rocaglaol and trigolute B initiated by asymmetric allylation
		15:15-15:30	Shu Xu , Institute of Materia Medica, Chinese Academy of Medical Sciences & Peking Union Medical College OL38 : Total Synthesis of Naphthospirozone A
		15:30-16:00	Coffee Break
	Session Chair: Yefeng Tang	16:00-16:30	Qian Wan , Huazhong University of Science and Technology IL76 : Sulfoxide Based Glycosylation Reactions and Their Applications
		16:30-17:00	Jing Xu , Southern University of Science and Technology IL77 : Total Synthesis of Cage-like Natural Products
		17:00-17:30	Baoguo Zhao , Shanghai Normal University IL78 : Vitamin B ₆ -Based Biomimetic Asymmetric Catalysis

18 October 2023				Parallel Session 2	
Parallel Session 2 Location: Zhangjiang Hall B	Session Chair: Takuya Hashimoto	13:30-14:00	Tobias Ritter , Max Planck Institut für Kohlenforschung & RWTH Aachen University IL79 : Late-Stage Functionalizations		
		14:00-14:30	Feng-Ling Qing , Shanghai Institute of Organic Chemistry IL80 : Trifluoromethoxylation and Pentafluorosulfanylation		
		14:30-15:00	Thomas Poisson , Normandie Univ, INSA Rouen UNIROUEN, CNRS IL81 : Photocatalytic and Electromediated Borylation and Silylation Reactions		
		15:00-15:15	Jie Zhao , East China University of Science and Technology OL39 : Heterogenous catalyst for selective carbene insertion		
		15:15-15:30	Xu Cheng , Nanjing University OL40 : Editing the Aromatic Heterocycles with Electricity		
		15:30-16:00	Coffee Break		
	Session Chair: Feng-Ling Qing	16:00-16:30	Zuwei Xie , Southern University of Science and Technology IL82 : Transition Metal-Catalyzed B-H Functionalization of Carboranes		
		16:30-17:00	Srinivasarao Yaragorla , University of Hyderabad IL83 : Harnessing ambiphilic reactivity of α -imino ketones towards a sustainable synthesis of privileged molecules		
		17:00-17:30	Takuya Hashimoto , RIKEN Cluster for Pioneering Research & Chiba University IL84 : C-N Bond Formations Enabled by an N-Fluorosulfonyl Group		

18 October 2023				Parallel Session 3	
Parallel Session 3 Location: Inspire Hall	Session Chair: Shigeki Matsunaga	13:30-14:00	Masaya Sawamura , Hokkaido University IL85 : Catalytic Asymmetric Aldol Reaction of Nonactivated Ketones with Isocyanacetamides		
		14:00-14:30	Shaolin Zhu , Nanjing University IL86 : Ligand Relay Catalysis and Its Application in NiH-Catalyzed Asymmetric Migratory Functionalization		
		14:30-15:00	Jun (Joelle) Wang , Hong Kong Baptist University IL87 : Transition Metal-catalyzed Asymmetric Hydrophosphination		
		15:00-15:15	Lu Liu , East China Normal University OL56 : Selective transformation of diazo compounds		
		15:15-15:30	Zhan Lu , Zhejiang University OL42 : Asymmetric iron and cobalt catalysis via ligand design		
		15:30-16:00	Coffee Break		
	Session Chair: Jun (Joelle) Wang	16:00-16:30	Huanfeng Jiang , South China University of Technology IL88 : Palladium-Catalyzed Oxidative Amination of Olefins with Aliphatic Amines		
		16:30-17:00	Shigeki Matsunaga , Kyoto University & Hokkaido University IL89 : Asymmetric C-H Functionalization under Metal/Organo-Hybrid Catalysis		
		17:00-17:30	Yu Zhao , National University of Singapore IL90 : Catalytic Enantioselective Redox-Neutral Processes for Efficient Chemical Synthesis		

18 October 2023

Parallel Session 4

Parallel Session 4 Location: MIP Space	Session Chair: Michael Willis	13:30-14:00	Yi Jiang , Corning Advanced-Flow Reactor Technology Co., Ltd. IL91: Flow Chemistry Accelerating Drug Development and Continuous Pharmaceutical Manufacturing	
		14:00-14:30	Didier Bourissou , Université de Toulouse – CNRS IL92: Gold Chemistry under Ligand Control	
		14:30-15:00	Aiwen Lei , Wuhan University IL93: Alternating Current (AC) Electrolysis toward Organic Syntheses	
		15:00-15:15	Duanyang Kong , Beijing University of Chemical Technology OL43: An Effective Strategy to Introduce Carbon Isotope via Direct Carbon Isotope Exchange of Carboxylic Acids	
		15:15-15:30	Qinqin Shi , University of Chinese Academy Sciences OL44: The design, synthesis and application of rubicene based polycyclic aromatic hydrocarbons (PAHs)	
		15:30-16:00	Coffee Break	
	Session Chair: Didier Bourissou	16:00-16:30	Michael Willis , University of Oxford IL94: New Functional Groups for Synthetic and Discovery Chemistry	
		16:30-17:00	Junliang Zhang , Fudan University IL95: Sadphos in Asymmetric Palladium Catalysis	
		17:00-17:30	Jianrong Steve Zhou , Peking University Shenzhen Graduate School IL96: Stereoselective Heck reaction	

19 October 2023 Parallel Session 1

Parallel Session 1 Location: Zhangjiang Hall A	Session Chair: Yong Qin	08:15-08:45	Shengming Ma , Shanghai Institute of Organic Chemistry IL97 : An Allenol-Based Chem-Stamp	
		08:45-09:15	Pei-Qiang Huang , Xiamen University IL98 : Towards Step Economical Synthesis of Alkaloids	
		09:15-09:45	Tuoping Luo , Peking University IL99 : Enantioselective Total Syntheses of Complex Natural Products Targeting the VGSCs	
		09:45-10:00	Yong Jian Zhang , Shanghai Jiao Tong University OL45 : Total Synthesis of Lignans via Pd-Catalyzed Asymmetric Allylic Cycloaddition	
		10:00-10:30	Coffee Break	
	Session Chair: Tuoping Luo	10:30-11:00	Yong Qin , Sichuan University IL100 : Total Synthesis of Vilmoraconitine and Isogarryfoline	
		11:00-11:30	Guangxin Liang , ShanghaiTech University IL101 : Rapid Construction of Molecular Complexity Using 1, 3-Dipolar Cycloaddition Reactions	
		11:30-12:00	Shuanhu Gao , East China Normal University IL102 : Asymmetric Total Synthesis of <i>Cephalotaxus</i> Diterpenoids and <i>Veratrum</i> Steroidal Alkaloids	
		12:00-12:15	Jinghan Gui , Shanghai Institute of Organic Chemistry OL46 : Efficient Synthesis of Steroid Natural Products	
		12:15-13:30	Lunch	
	Session Chair: Chun-An Fan	13:30-14:00	Zhu-Jun Yao , Nanjing University IL103 : Isochromenylium-mediated Cascade Annulations and Natural Product Synthesis	
		14:00-14:30	Guillaume Vincent , Université Paris-Saclay & CNRS IL104 : Total Synthesis of Monoterpene Indole Alkaloids	
		14:30-15:00	Fu-She Han , Changchun Institute of Applied Chemistry, CAS IL105 : Synthesis of Post-Iboga and Aspidosperma Alkaloids Enabled by Asymmetric Michael/Aldol Reaction	
		15:00-15:15	Qing-An Chen , Dalian Institute of Chemical Physics, CAS OL47 : Catalytic Construction of Terpenoids from Isoprene	
		15:15-15:30	Andrey D. Kobelev , Zelinsky Institute of Organic Chemistry, RAS OL48 : Metal-free photoredox-mediated intermolecular thiol-yne-ene reaction	
		15:30-16:45	Coffee Break & Poster Session 1	
	Session Chair: Guillaume Vincent	16:45-17:15	Chun-An Fan , Lanzhou University IL106 : Enantioselective Synthesis of <i>Cephalotaxus</i> Alkaloids	
		17:15-17:45	Min Zhang , Chongqing University IL107 : Total Synthesis of Terpenoid Indole Alkaloids	
		17:45-18:00	Lijia Wang , East China Normal University OL49 : Synthesis of Monoterpene Indole Alkaloids based on [2+2+2] Reaction Strategy	
		18:00-18:15	Ming Yang , Lanzhou University OL50 : Divergent total syntheses of illisimonin A and merrillactone A	
		18:15-18:30	Punam Meher , Indian Institute of Technology - Bombay OL51 : Design, synthesis and molecular docking studies of new indole scaffolds suitable for anticancer activity	

19 October 2023 Parallel Session 2

Parallel Session 2 Location: Zhangjiang Hall B	Session Chair: Hongli Bao	08:15-08:45	Valentine P. Ananikov , Zelinsky Institute of Organic Chemistry, RAS IL108: Formation and operation of cross-coupling catalytic systems through experimental data analysis with artificial intelligence
		08:45-09:15	Jinbo Hu , Shanghai Institute of Organic Chemistry IL109: Controllable Fluorocarbon Chain Elongation Reactions
		09:15-09:45	Junichiro Yamaguchi , Waseda University IL110: Breaking C-F Bonds: Novel Strategies Using Polar and Radical Reactions
		09:45-10:00	Zhi Li , ShanghaiTech University OL52: Metal-free amination of aryl chlorides through benzyne formation catalyzed by anion-encapsulating sodium alkoxide clusters
		10:00-10:30	Coffee Break
	Session Chair: Junichiro Yamaguchi	10:30-11:00	Makoto Yamashita , Nagoya University IL111: Characteristic Reactions of Carbon-Substituted Diborane(4)s
		11:00-11:30	Hongli Bao , Fujian Institute of Research on the Structure of Matter IL112: Asymmetric Outer-Sphere Radical Reactions
		11:30-12:00	Ming-Yu Ngai , Purdue University IL113: Molecular Editing of Carbohydrates <i>via</i> Catalytic 1,2-Radical Migration (RaM)
		12:00-12:15	Yifeng Chen , East China University of Science and Technology OL53: Stereoselective cross-coupling reaction of unsaturated hydrocarbons
		12:15-13:30	Lunch
	Session Chair: Thierry Billard	13:30-14:00	Xavi Ribas , Universitat de Girona IL114: Supramolecular Nanocapsules as Masks for Regioselective Functionalization of Fullerenes
		14:00-14:30	Jun-An Ma , Tianjin University IL115: Transition Metal- and Photoredox-mediated C–N Bond Formation Reactions of Nitroarenes
		14:30-15:00	Hai-Chao Xu , Xiamen University IL116: Molecular Photoelectrocatalysis Enabled Free-Radical Chemistry
		15:00-15:15	Chuan He , Southern University of Science and Technology OL54: Catalytic Asymmetric Dehydrogenative Coupling toward Si-Stereogenic Silanes
		15:15-15:30	Yang Li , Xi'an Jiaotong University OL55: Studies on Biomass Resources via Selective Cleavage of Inert Chemical Bonds
		15:30-16:45	Coffee Break & Poster Session 1
	Session Chair: Xavi Ribas	16:45-17:15	Thierry Billard , CNRS - University of Lyon IL117: New Reagents for trifluoromethylchalcogenation
		17:15-17:45	Naoya Kumagai , Keio University IL118: Chemistry Driven by Quinoline Oligomers
		17:45-18:00	Gang Li , Shanghai Jiao Tong University OL41: CO ₂ Utilization in Organic Synthesis via Rh-catalyzed C–H Bond Activation and Photocatalysis
		18:00-18:15	Qi-Nan Huang , Hunan University OL57: Mechanistic Investigation of Silver- π -Acid Catalyzed C(sp ²)-H Cyclobutylation of Hydroxyarenes
		18:15-18:30	Wen-Jun Yue , Institute of Chemical Research of Catalonia (ICIQ) OL58: α -Difluoroalkylation of benzyl amines with trifluoromethylarenes

19 October 2023 Parallel Session 3

Parallel Session 3 Location: Inspire Hall	Session Chair: Olivier Baudoin	08:15-08:45	Jianwei Sun , The Hong Kong University of Science and Technology IL119 : Ru-Catalyzed Geminal Addition of Alkynes
		08:45-09:15	Li Deng , Westlake University IL120 : Weak Bonding Organocatalysis
		09:15-09:45	Lingling Chu , Donghua University IL121 : Asymmetric Radical Multicomponent Couplings
		09:45-10:00	Nikita Shlapakov , University of Regensburg OL59 : General cross-coupling reactions with adaptive dynamic homogeneous catalysis
		10:00-10:30	Coffee Break
	Session Chair: Lingling Chu	10:30-11:00	Olivier Baudoin , University of Basel IL122 : Ring construction via Pd ⁰ -catalyzed C-H activation
		11:00-11:30	Hao Xu , Brandeis University IL123 : Searching for New Reactivity: Iron-Catalyzed Stereoselective Glycosylation
		11:30-12:00	Arjan W. Kleij , ICIQ & Barcelona Institute of Science and Technology IL124 : Catalytic Creation of Sterically Challenging Stereogenic Centers
		12:00-12:15	Jingdan Chen , Wuhan University OL60 : DFT oriented mechanism investigation on asymmetric decarboxylative protonation of aminomalonic acids
		12:15-13:30	Lunch
	Session Chair: Xiaohua Liu	13:30-14:00	Lutz Ackermann , Georg-August-University Göttingen IL125 : Metallalectro-Catalyzed Bond Activations
		14:00-14:30	Hanmin Huang , University of Science and Technology of China IL126 : Palladium-Catalyzed Aminoalkylative Cyclization
		14:30-15:00	Zhihui Shao , Yunnan University IL127 : Divergent Asymmetric Catalysis and Total Synthesis
		15:00-15:15	Xiaoyu Yang , ShanghaiTech University OL61 : Development and Application of Asymmetric Electrophilic Aromatic Amination of Aromatic Amines
		15:15-15:30	Yi-Dan Du , Shenzhen University OL62 : Construction of C(sp ³)-N Bonds via C-H Amination and Photoredox Catalysis from Alkenes and N-precursors
		15:30-16:45	Coffee Break & Poster Session 1
	Session Chair: Lutz Ackermann	16:45-17:15	Michinori Suginome , Kyoto University IL128 : Helical Macromolecules as Modular Chirality-Switchable Catalysts for Asymmetric Synthesis
		17:15-17:45	Xiaohua Liu , Sichuan University IL129 : Chiral Guanidine-Based Organocatalysis and Metal Complex Catalysis
		17:45-18:00	Fa-Guang Zhang , Tianjin University OL63 : Synthesis of Difluorinated Molecules
		18:00-18:15	Juntao Ye , Shanghai Jiao Tong University OL64 : Hydrofunctionalization of olefins via photoinduced hydrogen atom transfer
		18:15-18:30	Yushu Jin , RIKEN Center for Sustainable Resource Science OL65 : Remote steric control and acceleration in iridium-catalyzed C-H borylation of arenes enabled by spirobipyridine ligand

Parallel Session 4	Session Chair: Fabrice Gallou	08:15-08:45	Wanbin Zhang , Shanghai Jiao Tong University IL130 : Angle Control and Synergistic Promotion Strategies in Asymmetric Catalysis	
		08:45-09:15	Bo Gao , dsm-firmenich IL131 : New trends in catalysis for the fine chemical industry	
		09:15-09:45	Yan Chen , Porton Pharma Solutions Ltd. IL132 : Technical Expansion Tools in Small Molecule API Process Development	
		09:45-10:00	Wei-Chieh Chang , University of Heidelberg OL66 : Hydrogenative Depolymerization of Polyurethanes Catalyzed by a Manganese Pincer Complex	
		10:00-10:30	Coffee Break	
	Session Chair: Wanbin Zhang	10:30-11:00	Fabrice Gallou , Novartis IL133 : Sustainability as a driver for innovation	
		11:00-11:30	Zhuangzhi Shi , Nanjing University IL134 : P(III)-Directed C-H Activation	
		11:30-12:00	Qiupeng Peng , Northwestern University IL135 : Chromophore Activation of Simple Carbonyl Compounds	
		12:00-12:15	Julia V. Burykina , Zelinsky Institute of Organic Chemistry, RAS OL67 : Applying of ESI-MS analysis for photochemical transformations investigation	
		12:15-13:30	Lunch	
	Session Chair: Tatsuya Uchida	13:30-14:00	Yoshiaki Nakao , Kyoto University IL136 : Catalytic Denitrative Transformations	
		14:00-14:30	Bing-Feng Shi , Zhejiang University IL137 : Transition Metal-Catalyzed Enantioselective C-H Functionalization	
		14:30-15:00	Hui Huang , University of Chinese Academy Sciences IL138 : Carbon-Sulfur bond activation based polymerizations (CASPs)	
		15:00-15:15	Yumeng Liao , The University of Tokyo OL68 : Nickel-Catalyzed C(sp ³)-O Hydrogenolysis via a Remote Concerted Oxidative Addition and its Application to Degradation of a Bisphenol A-Based Epoxy Resin	
		15:15-15:30	Youliang Wang , Xi'an Jiaotong University OL69 : Ligation of Four Different Alcohols at One Silicon Center: Methodology Development and Proof of Concept	
		15:30-16:45	Coffee Break & Poster Session 1	
	Session Chair: Yoshiaki Nakao	16:45-17:15	Xiao-Feng Wu , Dalian Institute of Chemical Physics, CAS IL139 : Copper-Catalyzed Carbonylation Transformations	
		17:15-17:45	Tatsuya Uchida , Kyushu University IL140 : Glycine-Based Ruthenium-Catalyzed Site-Selective C-H Oxygenation	
		17:45-18:15	Wei-Ping Deng , Zhejiang Normal University IL141 : Asymmetric Dipolar Annulations of π -Allyl-Metal 1,n-Dipoles	
		18:15-18:30	Mohammad Salman , Indian Institute of Technology- Bombay OL70 : Design and Synthesis of Out-Out, Out-In, and In-In Epoxides in Cage Polycyclic frameworks	

Location:
MIP Space

20 October 2023 Plenary Session

Location: Zhangjiang Hall	Session Chair: Shengming Ma	08:30-09:20	Marisa C. Kozlowski , University of Pennsylvania PL07 : Oxygen Driven Fragment Coupling for the Synthesis of Natural Products and Antibacterials
		09:20-10:10	Yong-Qiang Tu , Lanzhou University & Shanghai Jiao Tong University PL08 : Efficient Cyclization/Dicycloexpansion Strategy toward Syntheses of Polycyclic Natural Terpenoids
		10:10-10:30	Coffee Break
	Session Chair: Wenjun Tang	10:30-11:20	Phil S. Baran , The Scripps Research Institute PL09 : Simplifying Synthesis with Electricity
		11:20-12:10	Jin-Quan Yu , The Scripps Research Institute PL10 : 20-Year Dancing with Palladium and C–H bonds: From Curiosity to Industrialization
		12:10-12:20	Closing Ceremony