Program Overview

Oct 19 (Sun)	Oct 20 (Mon)	Oct 21 (Tue)	Oct 22 (Wed)	Oct 23 (Thu)
	PL-1 8:30-9:20 HRH Princess Chulabhorn Mahidol	L-10 8:30-9:00 Teck Peng Loh	L-22 8:30-9:00 Shigeki Sasaki	Excursion
		L-11 9:00-9:30 Kyoko Nozaki	L-23 9:00-9:30 Seunghoon Shin	
	PL-2 9:20-10:10 Minoru Isobe	L-12 9:30-10:00 Chien-Tien Chen	L-24 9:30-10:00 Yoshiharu Iwabuchi	
	Poster A 10:10-11:00	Poster B 10:00-10:50	Coffee Break 10:00-10:30	
	L-1 11:00-11:30 Koichi Narasaka	L-13 10:50-11:20 Takayuki Kawashima	L-25 10:30-11:00 VirapongPrachayasitikul	
	L-2 11:30-12:00 Dawei Ma	L-14 11:20-11:50 Pauline Chiu	L-26 11:00-11:30 Kohtaro Osakada	
	L-3 12:00-12:30 Sukbok Chang	L-15 11:50-12:20 Takashi Ooi	L-27 11:30-12:00 Jeh-Jeng Wang	
	Lunch	Lunch	Lunch/ Business Meeting II[a]	Lunch
Registration IUPAC Workshop 14:30-17:00	L-4 14:00-14:30 Atsushi Nishida	L-16 14:00-14:30 Zhixiang Yu	L-28 14:00-14:30 Juyoung Yoon	Departure
	L-5 14:30-15:00 Masaya Sawamura	L-17 14:30-15:00 Hiroaki Sasai	L-29 14:30-15:00 Chi Wi Ong	
	L-6 15:00-15:30 Shang-Cheng Hung	L-18 15:00-15:30 Chul-Ho Jun	L-30 15:00-15:30 Kin Shing Chan	
	Poster A 15:30-16:10	Poster B 15:30-16:10	Coffee Break 15:30-16:00	
	L-7 16:10-16:40 Deqing Zhang	L-19 16:10-16:40 Wen-Shan Li	L-31 16:00-16:30 Masaharu Nakamura	
	L-8 16:40-17:10 Hyun-Joon Ha	L-20 16:40-17:10 Zhihong Guo	L-30 16:30-17:00 Jinbo Hu	
	L-9 17:10-17:40 BoonsongKongkathip	L-21 17:10-17:40 Qilin Zhou		
Welcome Reception	Business Meeting I[a] 19:00-	Watch the show: *the Romance of the Song Dynasty*	Banquet/Award 19:00-	

[a] For organizing committee members, coordinators and assistant/associate coordinators.

Program

October 19, 2008 (Sunday)

14:00-19:00	**Registration**
14:30-17:00	**IUPAC Workshop**
19:00-	**Welcome Reception**

October 20, 2008 (Monday)

Chairman: Guo-Qiang Lin

8:30-9:20 PL-1 **Structural Diversity of Bioactive Natural Products from Thai Bioresources**

HRH Princess Chulabhorn Mahidol
Chulabhorn Research Institute, Vipavadee-Rangsit Highway, Bangkok 10210, Thailand

9:20-10:10 PL-2 **Recent Progress in the Natural Product Synthesis and Chemical Biology**

Minoru Isobe
Chemistry Department, National Tsing Hua University, Hsinchu 300131; and Institute of Advanced Research, Nagoya University, Chikusa, Nagoya 464-8601, Japan
minoru@mx.nthu.du.tw

10:10-11:00 **Poster Session A**

Chairman: Sunggak Kim

11:00-11:30 L-1 **Substitution Reactions at sp^2 Hybridized Carbons: SNVσ and SNVπ Mechanisms**

Koichi Narasaka
Division of Chemistry and Biological Chemistry, School of Physical and Mathematical Sciences, Nanyang Technological University, 21 Nanyang Link, Singapore 637371, Singapore
narasaka@ntu.edu.sg

11:30-12:00 L-2 **Synthesis and SAR Studies toward Marine Cyclopeptides**

Da-Wei Ma
State Key Laboratory of Bioorganic and Natural Products Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032
madw@mail.sioc.ac.cn

12:00-12:30 L-3 **Ketenimine: Rich Intermediate in the Cu-Catalyzed Nitrogen Transfer Reactions**

Sukbok Chang
Department of Chemistry and School of Molecular Science (BK21), Korea Advanced Institute of Science and Technology (KAIST), Daejon, 305-701, Korea
sbchang@kaist.ac.kr

12:30-14:00 **Lunch**

Chairman: Chun-Chen Liao

14:00-14:30 L-4 **Synthetic Study of Manzamine B**

Atsushi Nishida

Graduate School of Pharmaceutical Sciences, Chiba University, 1-33 Yayoi-cho, Inage-ku, Chiba 263-8522, Japan
nishida@p.chiba-u.ac.jp

14:30-15:00 L-5 **New Selective Copper-Catalyzed Organic Reactions**
Masaya Sawamura
Department of Chemistry, Faculty of Science, Hokkaido University, Sapporo 060-0810, Japan
sawamura@sci.hokudai.ac.jp

15:00-15:30 L-6 **Synthesis of Cell-Surface Carbohydrates as Potential Anti-viral Drugs**
Shang-Cheng Hung
Department of Chemistry, National Tsing Hua University, Hsinchu 300
hung@mx.nthu.edu.tw

15:30-16:10 **Poster Session A & Photo**

Chairman: Somsak Ruchirawat

16:10-16:40 L-7 **New Switchable Molecular Systems Based on Tetrathiafulvalene (TTF) Derivatives and Their Application in Molecular Devices and Chemical Sensors**
De-Qing Zhang
Organic Solids Laboratory, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190
dqzhang@iccas.ac.cn

16:40-17:10 L-8 **Ring Openings of 2-Substituted 1-α-Methylbenzylaziridines**
Hyun-Joon Ha
Department of Chemistry, Hankuk University of Foreign Studies, Yongin 449-791, Korea
hjha@hufs.ac.kr

17:10-17:40 L-9 **Synthesis of 3, 6, 20-Polyoxygenated Steroids of Marine Origin: Structure/Activity Studies**
Boonsong Kongkathip
Natural Products and Organic Synthesis Research Unit (NPOS), Department of Chemistry, Faculty of Science, Kasetsart University, Chatuchak, Bangkok 10900, Thailand
fscibsk@ku.ac.th

18:00 **Dinner**
19:00-21:00 **Business Meeting-1**

October 21, 2008 (Tuesday)

Chairman: Kwan-Soo Kim

8:30-9:00 L-10 **Development of New Synthetic Methods in Organic Synthesis**
Teck Peng Loh

Division of Chemistry and Biological Chemistry, School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore 637371
teckpeng@ntu.edu.sg

9:00-9:30 L-11 **Neighboring Group Effect in Homogeneous Catalysis: Cobalt-Salen Complex Bearing Ammonium Arms**
Kyoko Nozaki
Department of Chemistry and Biotechnology, Graduate School of Engineering, The University of Tokyo, Japan
nozaki@chembio.t.u-tokyo.ac.jp

9:30-10:00 L-12 **Directed Assembly of Chiral Oxidovanadium(V) Methoxides into C_4-Symmetric Metal(I) Vanadate-Centered Quadruplexes: Synergistic K^+- and Ag^+-specific Transport and Asymmetric Catalysis**
Chien-Tien Chen
Department of Chemistry, National Taiwan Normal University, Taipei
chefv043@ntnu.edu.tw

10:00-10:50 **Poster Session B**

Chairman: Teck Peng Loh

10:50-11:20 L-13 **Synthesis, Structures, and Optical Properties of Novel Dibenzohetraborins**
Takayuki Kawashima
Department of Chemistry, Graduate School of Science, The University of Tokyo, Tokyo 113-0033, Japan
takayuki@chem.s.u-tokyo.ac.jp

11:20-11:50 L-14 **Diastereoselective [4+3] Cycloadditions Via Epoxy Enol Silanes**
Pauline Chiu
Department of Chemistry and Open Laboratory of Chemical Biology of the Institute of Molecular Technology for Drug Discovery and Synthesis, The University of Hong Kong, Pokfulam Road, Hong Kong
pchiu@hku.hk

11:50-12:20 L-15 **Chiral Ammonium Betaines: Design and Application as an Enantioselective Organic Base Catalyst**
Takashi Ooi
Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Chikusa, Nagoya, 464-8603 Japan
tooi@apchem.nagoya-u.ac.jp

12:20-14:00 **Lunch**

Chairman: Koichi Narasaka

14:00-14:30 L-16 **Rh(I)-Catalyzed [(5+2)+1] Cycloaddition**
Zhi-Xiang Yu
College of Chemistry, Peking University, Beijing
yuzx@pku.edu.cn

14:30-15:00 L-17 **Novel Catalytic Enantioselective Reactions Promoted by a Pd-SPRIX Complex**

Hiroaki Sasai
The Institute of Scientific and Industrial Research (ISIR), Osaka University, Mihogaoka, Ibaraki-shi, Osaka 567-0047, Japan
sasai@sanken.osaka-u.ac.jp

15:00-15:30 L-18 **Transition Metal Catalysis and Immobilization of Organic Molecule onto Solid Support**

Chul-Ho Jun
Department of Chemistry, Centre for Bioactive Molecular Hybrid (CBMH), Yonsei University, Seoul 120-749, Republic of Korea
junch@yonsei.ac.kr

15:30-16:10 **Poster Session B**

Chairman: Zhen Yang

16:10-16:40 L-19 **Overcoming the Drug Resistance in Breast Cancer Cells by Rational Design of Efficient Glutathione S-Transferase Inhibitors**

Wen-Shan Li
Institute of Chemistry, Academia Sinica
wenshan@gate.sinica.edu.tw

16:40-17:10 L-20 ***In vivo* and *in vitro* Factors Critical to the Efficiency of Nonribosomal Peptide Synthetases: Enterobactin Synthetase as an Example**

Zhi-Hong Guo
Department of Chemistry, Center for Cancer Research, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong
chguo@ust.hk

17:10-17:40 L-21 **Catalytic Asymmetric C–C, C–N and C–O Bond Formations**

Qi-Lin Zhou
State Key Laboratory and Institute of Elemento-organic Chemistry, Nankai University Tianjin 300071
qlzhou@nankai.edu.cn

18:00 **Dinner**

19:00 **Watch the show:** *the Romance of the Song Dynasty*

October 22, 2008 (Wednesday)

Chairman: Henry N.C. Wong

8:30-9:00 L-22 **Design of the Specific Reaction to DNA and RNA for Regulation of Gene Expression - New Functionality Transfer Reaction for Site-selective Modification of RNA**

Shigeki Sasaki
Graduate School of Pharmaceutical Sciences, Kyushu University, 3-1-1 Maidashi,

Higashi-ku, Fukuoka 812-8582, Japan
sasaki@phar.kyushu-u.ac.jp

9:00-9:30 L-23 **Gold-Catalyzed Selective Oxidation with Complete Atom-Economy: Reactions of Nitrone and Oximes**
Seunghoon Shin
Department of Chemistry, Hanyang University, Seoul Korea, 133-791
sshin@hanyang.ac.kr

9:30-10:00 L-24 **Efficient Aerobic Oxidation of Alcohols using AZADOs**
Yoshiharu Iwabuchi
Department of Organic Chemistry, Graduate School of Pharmaceutical Sciences, Tohoku University, Aobayama, Sendai 980-8578, Japan
iwabuchi@mail.pharm.tohoku.ac.jp

10:00-10:30 **Coffee Break**

Chairman: Toshio Nishikawa

10:30-11:00 L-25 **Molecular imprinting for the new frontier of biomedical applications**
Virapong Prachayasitikul
Department of Clinical Microbiology, Faculty of Medical Technology, Mahidol University, Bangkok 10700, Thailand
mtvpr@mahidol.ac.th

11:00-11:30 L-26 **Cyclopolymeization of Dienes Catalyzed by Pd Complexes**
Regulation of Stereochemistry on Cyclization and Polymer growth
Kohtaro Osakada
Chemical Resources Laboratory R1-03, Tokyo Institute of Technology, 4259 Nagatsuta, Midori-ku, Yokohama, 226-8503, Japan
kosakada@res.titech.ac.jp

11:30-12:00 L-27 **Design, Synthesis, and Biological Evaluation of Pyrrolo[2,1-c] [1,4] benzodiazepinene Conjugates as Anticancer Agents**
Jeh-Jeng Wang
Department of Medicinal and Applied Chemistry, Kaohsiung Medical University, Kaohsiung
jjwang@kmu.edu.tw

12:00-14:00 **Lunch**

Business Meeting-2

Chairman: Chin-Kang Sha

14:00-14:30 L-28 **Anion Selective Artificial Receptors**
Juyoung Yoon
Division of Nano Sciences and Department of Chemistry, Ewha Womans University, Seoul 120-750, Korea
jyoon@ewha.ac.kr

14:30-15:00 L-29 **Synthetic Strategies to New Molecular Shapes and Structures of Dibenzo[a,c]phenazine: Mesogenic Properties and Supramolecular Assembly**

Chi Wi Ong
Department of Chemistry, National Sun Yat Sen University, Kaoshiung
cong@mail.nsysu.edu.tw

15:00-15:30 L-30 **Selective Aliphatic Carbon-Carbon Bond Cleavage of Ethers by Rhodium Porphyrins**

Kin Shing Chan
The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong
ksc@cuhk.edu.hk

15:30-16:00 **Coffee Break**

Chairman: Pauline Chiu

16:00-16:30 L-31 **Controlling Iron-Catalysis in Selective Carbon-Carbon Bond Formations**

Masaharu Nakamura
International Research Center for Elements Science, Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan
masaharu@scl.kyoto-u.ac.jp

16:30-17:00 L-32 **Selective Synthesis of Fluorine-Containing Organic Molecules by Tackling the "Negative Fluorine Effect"**

Jin-Bo Hu
Key Laboratory of Organofluorine Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032
jinbohu@mail.sioc.ac.cn

19:00 **Banquet/Lectureship Awards**

October 23, 2008 (Thursday)

8:30-12:00 **Excursion**

POSTER SESSION A: October 20, 2008 (Monday)

Please put up your poster(s) at 8:20 am and take off at 6:00 pm.

PA-1 **Efforts towards the Total Synthesis of Thapsigargin: A Michael/Conia-ene Cascade Cyclization Approach**

Chi-Sing Lee,* Shuzhong He, Wanqing Wu, Wei Lee
Laboratory of Chemical Genomics, School of Chemical Biology and Biotechology, Shenzhen Graduate School of Peking University, Shenzhen University Town, Xili, Shenzhen 518055
lizc@szpku.edu.cn

PA-2 **Exploring Organic Reactions in Molecular Crystals**

Zhixiong Liang, Wei Zhao, Hoi-Shan Chan, Qian Miao*
Department of Chemistry, the Chinese University of Hong Kong, Shatin, New Territories, Hong Kong
miaoqian@cuhk.edu.hk

PA-3 **Radical SAM Dehydrogenase in the Biosynthesis of Butirosin**

Fumitaka Kudo,* Kenichi Yokoyama, Tadashi Eguchi
Department of Chemistry, Tokyo Institute of Technology, 2-12-1 O-okayama, Meguro-ku, Tokyo 152-8551, Japan
fkudo@chem.titech.ac.jp

PA-4 **Benzo-21-Crown-7/secondary Dialkylammonium Salt Threaded Structures**

Feihe Huang,* Chuanju Zhang
Department of Chemistry, Zhejiang University, Hangzhou 310027
fhuang@zju.edu.cn

PA-5 **Isoquinolinium Salts from *ortho*-Halobenzaldehyde Imines and Alkynes Catalyzed by Nickel Complexes: An Efficient Method for the Synthesis of Benzo[c]phenanthridine Alkaloids**

Chien-Hong Cheng, Rajendra Prasad Korivi and Yu-Chen Wu
Department of Chemistry, National Tsing Hua University, Hsinchu
chcheng@mx.nthu.edu.tw

PA-6 **Synthesis of Callicarpenal, an Insect-repellent Degraded Terpenoid**

Hidenori Watanabe,* Daichi Oguro
Department of Applied Biological Chemistry, Graduate School of Agricultural and Life Sciences, the University of Tokyo, 1-1-1 Yayoi, Bunkyo-ku, Tokyo 113-8657, Japan
ashuten@mail.ecc.u-tokyo.ac.jp

PA-7 **New Tridentate Schiff Bases Derived from Natural Amino Acids as Efficient and Designable Catalysts for the Aerobic Oxidation of Cyclic Alkenes**

Hao-Ran Li,* Jian-Yong Mao, Chao Yan, Xing-Bang Hu
Department of Chemistry, Zhejiang University, Hangzhou 310027
lihr@zju.edu.cn

PA-8 **Copper-mediated and Microwave-assisted C-O and C-N Bond Formations: Synthesis of**

Isolamellarin and Azalamellarin

Nopporn Thasana,[a,b,*] Rattana Worayuthakarn,[a] Sasiwadee Boonya-udtayan,[b] Kassrin Tangdenpaisal,[a] Nattawut Yotapan,[a] Christina Woo,[a] Carson J. Bruns,[a] Somsak Ruchirawata,[b]
[a]Laboratory of Medicinal Chemistry, Chulabhorn Research Institute
[b]Program on Chemical Biology, Chulabhorn Graduate Institute, Vibhavadee-Rangsit Highway, Bangkok 10210,Thailand
nopporn@cri.or.th

PA-9 **Synthesis of Novel Vancomycin Derivatives with Excellent Antibacterial Activities against Resistant Bacteria**

Hirokazu Arimoto
Graduate School of Life Sciences, Tohoku University, Aoba, Sendai 981-8555, Japan
arimoto@biochem.tohoku.ac.jp

PA-10 **Novel Bioactive Polyphenols from the Genus *Hopea***

Hui Ming Ge, Ren Xiang Tan
Institute of Functional Biomolecules, State Key Laboratory of Pharmaceutical Biotechnology, School of Life Sciences, Nanjing University, Nanjing 210093
hmge@nju.edu.cn

PA-11 **Fluorescence Turn-On Sensing of Amino–Carboxylates through Formation of Reversible Covalent Adducts**

Dowook Ryu and Kyo Han Ahn*
Department of Chemistry and Center for Integrated Molecular Systems, POSTECH, San 31 Hyoja-dong, Pohang, 790-784, Korea
ahn@postech.ac.kr

PA-12 **Synthesis and Coordination Chemistry of N-confused and N-fused Porphyrinoids**

Hiroyuki Furuta,* Iti Gupta, Dong-Hoon Won, Tomoyuki Kimura, Motoki Toganoh
Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka 819-0395, Japan
hfuruta@cstf.kyushu-u.ac.jp

PA-13 **Asymmetric Three-Component 1, 3-Dipolar Cycloaddition Reactions Catalyzed by Chiral Phosphoric Acids**

Liu-Zhu Gong,[a,b*] Xiao-Hua Chen,[b] Jun Jiang,[b] Wei-Jun Liu[a]
a. Hefei National Laboratory for Physical Sciences at the Microscale and Department of Chemistry, University of Science and Technology of China, Hefei, 230026;
b. Chengdu Institute of Organic Chemistry, Chinese Academy of Sciences, Chengdu 610041
gonglz@ustc.edu.cn

PA-14 **Bifunctional Maleimide Dyes as Selective Anion Sensors**

Tahsin J. Chow and Zhenghuan Lin
Institute of Chemistry, Academia Sinica, Taipei
tjchow@chem.sinica.edu.tw

PA-15 **Platinum(II)-Catalyzed Reaction of γ, δ-Ynones with Alkenes for the Construction of 8-Oxabicyclo[3.2.1]octane Skeletons**

Hiroyuki Kusama, Kento Ishida, Nobuharu Iwasawa*
Department of Chemistry, Tokyo Institute of Technology, Meguro, Tokyo 152-8551, Japan
hkusama@chem.titech.ac.jp

PA-16 **Asymmetric Syntheses of Polyhydroxylated Indolizidines and Pyrrolizidines**

Gang Liu, Xiang Zhou, Wen-Jun Liu, Tian-Jun Wu, and Pei-Qiang Huang*
Department of Chemistry and the Key Laboratory for Chemical Biology of Fujian Province, College of Chemistry and Chemical Engineering, Xiamen University, Xiamen, Fujian 361005
pqhuang@xmu.edu.cn

PA-17 **Allosteric Guest Binding of Biindole-bridged Macrocyclic Porphyrin Dimer**

Chi-Hwa Lee, Kyu-Sung Jeong, Woo-Dong Jang*
Center for Bioactive Molecular Hybrids, Department of Chemistry, College of Science, Yonsei University, 262 Seongsanno, Seodaemun-gu, Seoul 120-749, Korea
wdjang@yonsei.ac.kr

PA-18 **New Bis(oxazolinyl)phenyl-Ruthenium Complexes: Asymmetric Hydrogenation, Transfer Hydrogenation and Hydroalkynylation**

Jun-ichi Ito, Satoshi Ujiie, Ryosuke Asai, Hisao Nishiyama*
Department of Applied Chemistry, Graduate School of Engineering, Nagoya University, Chikusa-ku, Nagoya 464-0032, Japan
jito@apchem.nagoya-u.ac.jp

PA-19 **5-(2-Methoxyphenoxy)-2, 2'-bipyrimidine-4, 6-diol: A Versatile Two Inputs/Three Outputs Fluorescent Molecular Logic Gate**

Zhitao Jiang, Guorong Zheng, Renren Deng, Zhongwei Ren and Ping Lu*
Chemistry Department, Zhejiang University, Hangzhou 310027
pinglu@zju.edu.cn

PA-20 **Structure and Bioactivity of bis-*spiro*-azaphilones and Azaphilones from the Fungi *Chaetomium cochliodes* Strains VTh01 and CTh05**

Somdej Kanokmedhakul,[1],* Kwanjai Kanokmedhakul,[1] Nutchanat Phonkerd,[1]
Kasem Soytong,[2] Samran Prabpai,[3] Palangpon Kongsearee[3,4]
[1]Department of Chemistry, Faculty of Science, Khon Kaen University, Khon Kaen 40002, Thailand
[2]Department of Plant Pest Management, Faculty of Agricultural Technology, King Mongkut's Institute of Technology Ladkrabang, Ladkrabang, Bangkok 10520, Thailand
[3]Department of Chemistry, 4Center for Excellence in Protein Structure and Function, Faculty of Science, Mahidol University, Bangkok 10400, Thailand

PA-21 **Organocatalytic Way to Enantioselective One-pot Synthesis of Pyrrolizine and Indolizine Alkaloid Core Structures**

Keiji Maruoka
Department of Chemistry, Graduate School of Science, Kyoto University, Kyoto, 606-8502 Japan

maruoka@kuchem.kyoto-u.ac.jp

PA-22 **Design and Synthesis of Novel and Potent Inhibitors of the Type II Transmembrane Serine Protease, Matriptase, Based upon the Sunflower Trypsin Inhibitor-1**

Sheng Jiang,* Peng Li, Sheau-Ling Lee, Cheng Yong Lin, Michael D. Johnson, Peter P. Roller
Laboratory of Regenerative Biology, Guangzhou Institute of Biomedicine and Health, CAS, Chinese Academy of Sciences, Guangzhou 510663
jiang_sheng@gibh.ac.cn

PA-23 **Chiral Guanidine Catalyzed Enantioseletive Reactions**

Choon-Hong Tan
Department of Chemistry, Faculty of Science, National University of Singapore, 3 Science Drive 3, Singapore 117543
chmtanch@nus.edu.sg

PA-24 **Superstructures of Liquid Crystalline Ureas and their Ferroelectric Switching Behaviors**

Keiki Kishikawa,*[1] Masanori Natsukawa,[1] Shoichiro Nakahara,[1] Yoshinori Okada,[2] Yoichi Takanishi,[2] Ken Ishikawa,[2] Hideo Takezoe,[2] Shigeo Kohmoto[1]
[1]Applied Chemistry and Biotechnology, Faculty of Engineering, Chiba University,1-33 Yayoi-cho, Inage-ku, Chiba 263-8522, Japan
[2]Department of Organic and Polymeric Materials, Tokyo Institute of Technology, O-okayama, Meguro-ku, Tokyo 152-8522, Japan
Kishikawa@faculty.chiba-u.jp

PA-25 **One-Pot Sequential Double C-C Coupling Reactions Catalysed by Palladium Complexes of Multidentate N-Heterocyclic Carbenes**

Wanzhi Chen,* Zhenxing Xi, Xiaoming Zhang, Yongbo Zhou
Department of Chemistry, Zhejiang University, Xixi Campus, Hangzhou 310028
chenwzz@zju.edu.cn

PA-26 **Heterobicycle–Coumarin Conjugates as Anti-Hepatitis C Virus Agents**

Jih Ru Hwu,* Yung Hsiung Chang, Raghunath Singha, and Shih Ching Hong
Department of Chemistry, National Tsing Hua University, Hsinchu 30013 and
National Central University, Jhongli 32001
jrhwu@mx.nthu.edu.tw

PA-27 **Design of a New Class of Spin-labeled Nucleosides with *N-tert*-Butylaminoxyl Group Directly Introduced into Nucleobase**

Mariko Aso, Noboru Koga, Hiroshi Suemune
Graduate School of Pharmaceutical Sciences, Kyushu University, Fukuoka, 812-8582, Japan
aso@phar.kyushu-u.ac.jp

PA-28 **Recent Advances on the Biomimetic Synthesis of Natural Products: The Total Synthesis of (−)-Andrographolide**

Wei-Dong Z. Li*,[1,2] & Hai-Tao Gao[1]
[1]State Key Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000

[2]State Key Laboratory of Elemento-organic Chemistry, Nankai University, Tianjin 300071
wdli@nankai.edu.cn

PA-29 **Asymmetric Synthesis of (-)-Dysiherbaine**

Nelma C. Celindro and Sung Ho Kang*
Department of Chemistry, School of Molecular Science (BK21), KAIST, Daejon 305-701, Korea
shkang@kaist.ac.kr

PA-30 **A Dirhodium(II) Carboxamidate Complex as a Chiral Lewis Acid Catalyst for Enantioselective Hetero-Diels-Alder Reactions**

Masahiro Anada, Takuya Washio, Yudai Watanabe, Naoyuki Shimada, Shunichi Hashimoto*
Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo, 060-0812, Japan
hsmt@pharm.hokudai.ac.jp

PA-31 **Enantioselective Four-component Reactions for Efficient Construction of Chiral β-Amino-α-Hydroxy Acid Derivatives**

Wenhao Hu,* Xinfang Xu，Jin Zhou, Liping Yang
Department of Chemistry, East China Normal University, Shanghai 200062
whu@chem.ecnu.edu.cn

PA-32 **Development of Chemical Tools for Glycosidase-related Research**

Lee-Chiang Lo,* Tzyy-Chao Chou, Chi-Yuan Chu, Tong-Hong Shie, Charng-Sheng Tsai
Department of Chemistry, National Taiwan University, Taipei
lclo@ntu.edu.tw

PA-33 **Search for Natural Products Targeting Wnt Signaling Pathway: New Naphthoquinone Glycosides from *Eleutherine Palmifolia***

Masami Ishibashi,[a]* Xiaofan Li,[a] Takashi Koyano,[b] Thaworn Kowithayakorn,[c]
and Takashi Ohtsukia
[a]Graduate School of Pharmaceutical Sciences, Chiba University, Chiba 263-8522, Japan
[b]Temko Corporation, Tokyo 164-0012, Japan
[c]Faculty of Agriculture, Khon Kaen University, Khon Kaen 40002, Thailand
mish@p.chiba-u.ac.jp

PA-34 **Enantioselective Catalysis Using Chiral *N, N'*-Dioxides Ligands**

Xiao-hua Liu, Xiao-ming Feng*
Key Laboratory of Green Chemistry & Technology, Ministry of Education, College of Chemistry, Sichuan University, Chengdu 610064
liuxh@scu.edu.cn

PA-35 **Direct Glycosylation with Anomeric Hydroxy Sugars and its Application to Synthesis of Complex Oligosaccharides**

Kwan Soo Kim, Bo Young Lee, Ju Yuel Baek, Dinanth Baburo Fulse, So Mi Park
Center for Bioactive Molecular Hybrids and Department of Chemistry, Yonsei University
Seoul 120-749, Korea
kwan@yonsei.ac.kr

PA-36 **Marine Polycyclic Ethers-Molecular Mode of Action**

Tohru Oishi, Satoru Ujihara, Kohei Torikai, and Michio Murata
Department of Chemistry, Osaka University, 1-1 Machinakeyama, Toyonaka
Osaka 560-0043, Japan
murata@ch.wani.osaka-u.ac.jp

PA-37 **Total Synthesis of Reversal MDR (–)-Ardeemins**

Yong Qin,* Bin He, Hao Song, Cheng Chunwei, Yu Du
Department of Chemistry of Medicinal Natural Products, Key Laboratory of Drug Targeting and Novel Drug Delivery Systems of Ministry of Education, Sichuan University, Chengdu 610041
yongqin@scu.edu.cn

PA-38 **γ^3-PNA: Chiral Peptide Nucleic Acid that Selectively Binds RNA**

Hee-Seung Lee*, Taedong Ok, Joohee Lee, Jisoo Lim
Department of Chemistry and School of Molecular Science (BK21), KAIST, Daejeon, 305-701, Korea
hee-seung_lee@kaist.ac.kr

PA-39 **Antibacterial Metabolites from Marine-derived Fungi *Nigrospora* sp. PSU-F5, F11 and F12**

Vatcharin Rukachaisirikul,[a],* Kongkiat Trisuwan,[a] Nanthaphong Khamthong,[a]
Yaowapa Sukpondma,[a] Sita Preedanon,[b] Souwalak Phongpaichit,[b] and Jariya Sakayarojc
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PA-40 **Bisbenzopyrans as Colorimetric Sensing Probes for Metal Ions**

Wing-Hong Chan,* Hao Wang and Jian-Fa Zhu
Department of Chemistry, Hong Kong Baptist University, Kowloon Tong, Hong Kong
whchan@hkbu.edu.hk

PA-41 **Palladium-Catalyzed Arylation and Alkylation of 3, 5-Diphenylisoxazole with Boronic Acids *via* C-H Activation**

Jean-Ho Chu,[a]Chin-Chau Chen,[b]Ming-Jung Wu[a,*]
[a]Department of Chemistry, National Sun Yat-sen University, Kaohsiung
[b]Graduate Institute of Pharmaceutical Science, Kaohsiung Medical University, Kaohsiung
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PA-42 **New Free-radical-based Method for the Synthesis of Bioactive Molecules: Direct Transformation of sp^3C-H Bond Adjacent to Nitrogen or Oxygen Atom**

Takehiko Yoshimitsu,*[,†] Kenichi Matsuda,[†,‡] Yoshimasa Arano,[‡] Toshiyuki Makino,[‡]
Chie Atsumi,[†] Emiko Iimori,[‡] Hiroto Nagaoka,[‡] Tetsuaki Tanaka[†]
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PA-43 **Several Weak Intramolecular Six-Membered N−H · · · X (X = Br, I and S) Hydrogen Bonding Patterns in Aromatic Amide Derivatives**

Zhan-Ting Li
Shanghai Institute of Organic Chemistry, 354 Fenglin Lu, Shanghai 200032
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POSTER SESSION B: October 21, 2008 (Tuesday)

Please put up your poster(s) at 8:20 am and take off at 6:00 pm.

PB-1 **New Electronic Helix Theory-guided Rational Design of Enantioselective Catalysis**

David Zhigang Wang,* Xinbo Wang, Wenbo Sun, Ning Long, Boshen Wu
School of Chemical Biology and Biotechnology, Shenzhen Graduate School of Peking University, Shenzhen 518055
dzw@szpku.edu.cn

PB-2 **Synthetic Development and Cytotoxic Evaluations of Natural and Unnatural Lamellarins**

Montakarn Chittchang,* Poonsakdi Ploypradith, Somsak Ruchirawat
Laboratory of Medicinal Chemistry, Chulabhorn Research Institute, and Chemical Biology Program, Chulabhorn Graduate Institute, Vibhavadee-Rangsit Highway, Bangkok 10210, Thailand
montakarn@cri.or.th

PB-3 **Cycloaddition Way to DNA Analogues**

Hiroyuki Isobe,*[,1] Tomoko Fujino,[1] Naomi Yamazaki,[1]
Marine Guillot-Nieckowski,[2] Eiichi Nakamura[2]
[1]Department of Chemistry, Tohoku University, Aoba-ku, Sendai 980-8578, Japan
[2]Department of Chemistry, The University of Tokyo
isobe@mail.tains.tohoku.ac.jp

PB-4 **Catalytic Selective Bis-arylation of Imines with Anisole, Phenol, Thioanisole and Analogues**

Shi-Kai Tian,* Cong-Rong Liu, Man-Bo Li, Cui-Feng Yang
Department of Chemistry, University of Science and Technology of China, Hefei, Anhui 230026
tiansk@ustc.edu.cn

PB-5 **CaSH Organocatalysis**

Albert W. M. Lee*, Hao He, Bao-Jian Pei, Ling-Yan Chen, and Qing-Hua Li
Department of Chemistry, Hong Kong Baptist University, Kowloon Tong, Hong Kong
alee@hkbu.edu.hk

PB-6 **Novel Method of Radioisotope-free Photoaffinity Labeling Using Bioorthogonal Group as a Detectable Tag Function**

Takamitsu Hosoya,* Toshiyuki Hiramatsu, Atsushi Inoue, Ying Guo, Isao Kii, Akira Kudo

Department of Biological Information, Graduate School of Bioscience and Biotechnology, Tokyo Institute of Technology and SORST, Japan Science and Technology Agency (JST), Yokohama 226-8501, Japan
thosoya@bio.titech.ac.jp

PB-7 **Novel Bioactive Natural Products of Symbiont Origin**

Ren Xiang Tan, Ying Luo Zhang, Hui Ming Ge
Institute of Functional Biomolecules, State Key Laboratory of Pharmaceutical Biotechnology, School of Medicine, Nanjing University, Nanjing 210093
rxtan@nju.edu.cn

PB-8 **Enantioselective Conjugate Radical Addition to α'-Phosphoric Enones**

Sunggak Kim
Department of Chemistry, School of Molecular Sciences, Korea Advanced Institute of Science and Technology, Daejon, 305-701, Korea
skim@kaist.ac.kr

PB-9 **Design of Chiral Ligands with Axially Chiral C-N Bonds for Palladium Catalyzed Asymmetric Reactions**

Takashi Mino,* Shunsuke Oishi, Shingo Komatsu, Kazuya Wakui, Masami Sakamoto, Tsutomu Fujita
Department of Applied Chemistry and Biotechnology, Graduate School of Engineering, Chiba University, Chiba, 263-8522, Japan
tmino@faculty.chiba-u.jp

PB-10 **N-Heterocyclic Carbene-Catalyzed Domino Reactions of Formylcyclopropane 1, 1-Diesters**

Ding Du and Zhongwen Wang*
State Key Laboratory of Elemento-Organic Chemistry, Institute of Elemento-Organic Chemistry, Nankai University, Tianjin 300071
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PB-11 **The Facial Selective and Highly Diastereoselective Hetero-Diels-Alder Reactions of Masked *o*-Benzoquinones with Homochiral Acylnitroso Compounds : Application to the Syntheses of (+)-Conduramine A-1 and *ent*-Conduramine A-1**

Chun-Chen Liao,* Ping-Hsun Lu, Ching-Shun Yang
Department of Chemistry, National Tsing Hua University, Hsinchu
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PB-12 **Catalytic Asymmetric Hydrogenation of Heteroaromatics**

Ryoichi Kuwano,* Manabu Kashiwabara
Department of Chemistry, Graduate School of Sciences, Kyushu University, 6-10-1 Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan
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PB-13 **Development and Application of an Efficient Method for the Synthesis of (*E*)-(2-En-3-ynyl) Amines by Addition of Alkynylzinc to *N-tert*-Butansulfinyl Imines**

Chao Yin and Peng-Fei Xu*
State Key Laboratory of Applied Organic Chemistry, College of Chemistry and Chemical Engineering, Lanzhou University, Lanzhou 730000
xupf@lzu.edu.cn

PB-14 **The Synthesis of Diverse Benzazepinone Derivatives**

Somsak Ruchirawat,* Wong Phakhodee, Poolsak Sahakitpichan, Poonsakdi Ploypradith
Laboratory of Medicinal Chemistry, Chulabhorn Research Institute, Vipavadee Rangsit Highway, Bangkok 10210, Thailand
Programme on Synthetic Drugs, Institute of Science and Technology for Research and Development, Mahidol University, Salaya Campus, Thailand
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PB-15 **Hetero-Helix-Dimer Formation of Ethynylhelicene Oligomers Possessing Perfluorooctyl Side Chain**

Ryo Amemiya, Nozomi Saito, and Masahiko Yamaguchi
Department of Organic Chemistry, Graduate School of Pharmaceutical Sciences, †WPI Advanced Institute for Materials Research, Tohoku University, Aoba, Sendai 980-8577, Japan
yama@mail.pharm.tohoku.ac.jp

PB-16 **Transition Metal-Catalyzed Arylation via Regioselective C-H Bond Cleavage**

Yu-Hong Zhang,* Kai Cheng, Jin-Long Zhao, Chun-Song Xie
Department of Chemistry, Zhejiang University, Hangzhou 310027
yhzhang@zju.edu.cn

PB-17 **Stereoselective Opening of Arylepoxides and Application to Total Synthesis**

Hee-Yoon Lee, Eun A Kim, Yubin Kim and Vasu Sampath
BK-21 School of Molecular Science, Department of Chemistry, Korea Advanced Institute of Science and Technology, Daejon, 305-701, Korea
leehy@kaist.ac.kr

PB-18 **TpRh(C_2H_4)$_2$/PPh_3-Catalyzed Anti-Markovnikov Hydroamination of Terminal Alkynes Both with Primary and Secondary Amines**

Yoshiya Fukumoto,* Harumi Asai, Masaki Shimizu, Naoto Chatani
Department of Applied Chemistry, Faculty of Engineering, Osaka University, Suita, Osaka 565-0871, Japan
fukumoto@chem.eng.osaka-u.ac.jp

PB-19 **Design and Syntheses of Novel Inhibitors of Cytochrome *bc*$_1$ Complex**

Guang-Fu Yang,* Wei Huang, Pei-Liang Zhao, Xiao-Lei Zhu
Key Laboratory of Pesticide & Chemical Biology of Ministry of Education, College of Chemistry, Central China Normal University, Wuhan 430079
gfyang@mail.ccnu.edu.cn

PB-20 **Total Synthesis of (±)-Ottelione A**

Chin-Kang Sha,* Cheng-Hui Chen and Hsien-Hsun Lin

Department of Chemistry, National Tsing Hua University, Hsinchu
cksha@mx.nthu.edu.tw

PB-21 **Palladium-catalyzed Annulation of *vic*-bis(pinacolatoboryl)Alkenes and -phenanthrenes with 2, 2-Dibromobiaryls**

Masaki Shimizu, Ikuhiro Nagao, Yousuke Tomioka, and Tamejiro Hiyama
Department of Material Chemistry, Graduate School of Engineering, Kyoto University, Kyoto University Katsura, Nishikyo-ku, Kyoto 615-8510, Japan
thiyama@z06.mbox.media.kyoto-u.ac.jp

PB-22 **Synthesis and Properties of Isonucleosides Incorporated Oligonucleotides**

Zhen-Jun Yang,* Jun Zhang, Fang Wang, Li-He Zhang
State Key Laboratory of Natural and Biomimetic Drugs, School of Pharmaceutical Sciences, Peking University, Beijing 100083
yangzj@bjmu.edu.cn

PB-23 **Chemical Synthesis and Characterization of Psalmopeotoxin I and II-Antimalarial Peptides Extracted from *Psalmopoeus cambridgei***

Songpon Deechongkit,[1,2,*] Pacharin Kamolkijkarn,[2,#] Thitawan Prasertdee,[2,#] Chawita Netirojjanakul[1]
[1]Laboratory of Medicinal Chemistry, Chulabhorn Research Institute and [2]Chemical Biology Program, Chulabhorn Graduate Institute, Bangkok 10210, Thailand
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PB-24 **Total Synthesis and Biological Evaluation of Polytheonamide B**

Masayuki Inoue
Graduate School of Pharmaceutical Sciences, The University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan
inoue@mol.f.u-tokyo.ac.jp

PB-25 **Synthesis of Indoles via Domino Reaction of *N*-Aryl Amides and Ethyl Diazoacetate**

Yan-Guang Wang,* Sun-Liang Cui, Jing Wang
Department of Chemistry, Zhejiang University, Hangzhou 310027
orgwyg@zju.edu.cn

PB-26 **A Versatile and Efficient Synthetic Methodology to Prepare Aryl and Hetroaryl fused Coumarins**

Yung-Son Hon,* Tze-Wei Tseng and Chia-Yi Cheng
Department of Chemistry and Biochemistry, National Chung Cheng University, Chia-Yi 62102
cheysh@ccu.edu.tw

PB-27 **Palladium-Catalyzed Synthesis of Multisubstituted Allenes and Their Application in Stereoselective Molecular Transformations**

Masamichi Ogasawara,* Atsushi Okada, and Tamotsu Takahashi
Catalysis Research Center, Hokkaido University, Kita-ku, Sapporo 001-0021, Japan
ogasawar@cat.hokudai.ac.jp

PB-28 **Application of a Domino Friedel-Crafts Acylation/Alkylation Reaction to the Formal Syntheses of (±)-Taiwaniaquinol B and (±)-Dichroanone**

Shouchu Tang, Xuegong She
Department of Chemistry, State Key Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000
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PB-29 **Highly Selective Fluorescence Sensing of Cu^{2+} Ion by an Arylisoxazole Modified Calix[4]arene**

Kai-Chi Chang, Li-Yang Luo, Eric Wei-Guang Diau, and Wen-Sheng Chung*
Department of Applied Chemistry, National Chiao-Tung University, Hsinchu 30050
wschung@cc.nctu.edu.tw

PB-30 **Ruthenium-Catalyzed Cyclization of Allenyne**

Nozomi Saito, Yuki Tanaka, Yoshihiro Sato*
Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo 060-0812, Japan
nozomi-s@pharm.hokudai.ac.jp

PB-31 **Enantiopure 1,3-Diol Building Blocks - Acquisition and Application Total Synthesis of (+)-Aculeatin D and (+)-Avocadotriol Monoacetate**

Yikang Wu,* Zhi-Bin Zhen, Jian Gao,Ya-Jun Jian
State Key Laboratory of Bioorganic and Natural Products Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032
yikangwu@mail.sioc.ac.cn

PB-32 **Solid-supported Reagents in the Synthesis of Lamellarins and Deprotection of Aromatic Ethers**

Poonsakdi Ploypradith,* Kassrin Tangdenpaisal, Supannee Sualek, Rachel K. Kagan, Daniel R. Bertoni, Vanessa Guzman, Somsak Ruchirawat
Laboratory of Medicinal Chemistry, Chulabhorn Research Institute, and Program in Chemical Biology, Chulabhorn Graduate Institute, Vipavadee-Rangsit Highway, Bangkok 10210 Thailand
poonsakdi@cri.or.th

PB-33 **Design of New Hydrophilic Chiral Bicyclo[3.3.0] Diene Ligands for Asymmetric 1,4-Addition in Water**

Ming-Hua Xu,*[a, b] Chen-Guo Feng,[b] Zhi-Qian Wang,[b] Cheng Shao,[b] Guo-Qiang Lin[b]
[a]Shanghai Institute of Materia Medica, Chinese Academy of Sciences, 555 Zuchongzhi Road, Shanghai 201203
[b]Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032
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PB-34 **Cu(I)-Catalyzed Asymmetric Tetrasubstituted Carbon Synthesis**

Motomu Kanai,* Kounosuke Oisaki, Masakatsu Shibasaki*
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PB-35 **Anion Receptors Based on the Biindole Scaffold**

Kyu-Sung Jeong,* Jae-Min Suk, Uk-il Kim, and Kang-Woo Lee
Center for Bioactive Molecular Hybrids, Department of Chemistry, Yonsei University, Seoul, 120-749, Korea
ksjeong@yonsei.ac.kr

PB-36 **Synthetic Studies toward Marine Alkaloid Nakadomarin A**

Hongbin Zhai,* Haibing Deng, Bin Chen, Xiaobao Yang, and Zhaolong Tong
Laboratory of Modern Synthetic Organic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032
zhiah@mail.sioc.ac.cn

PB-37 **Total Synthesis of 5-Deoxytetrodotoxin, a Plausible Biosynthetic Precursor for Tetrodotoxin**

Toshio Nishikawa,*, Yoshiki Satake and Minoru Isobe
Graduate School of Bioagricultural Sciences, Nagoya University, Chikusa, Nagoya 464-8601, Japan
nisikawa@agr.nagoya-u.ac.jp

PB-38 **Pentiptycene-Derived Light-Driven molecular Brakes: The Substituent Effect**

Jye-Shane Yang,* Wei-Ting Sun, Jinn-Hsuan Ho, Yao-Ting Huang, Ying-Chih Lin, Shing-Jong Huang, and Shou-Ling Huang
Department of Chemistry, National Taiwan University, Taipei 10617
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PB-39 **Expeditious Total Syntheses of Camptothecin and 10-Hydroxycamptothicn Using Organocatalyst-initiating Cascade Reaction and IM-oxa-Diels-Alder Reaction**

Zhu-Jun Yao,* Guan-Sai Liu, Qing-Li Dong, Yuan-Shan Yao
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PB-40 **Modified Nucleic Acid Systems for Biomedical Applications**

Jeong Wu Yi, Eun Kyoung Bang, Hyun Seok Jeong, Il Joon Lee, Byeang Hyean Kim*
Department of Chemistry, BK School of Molecular Science, Pohang University of Science and Technology, Pohang 790-784, Korea
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PB-41 **A 'Click' Approach to Dendronized Polymer Gels**

Kwun-Ngai Lau,[a] Hak-Fun Chow,[a] Man-Chor Chan,[a] Ka-Wai Wong[b]
[a]Department of Chemistry and Center of Novel Functional Molecules, The Chinese University of Hong Kong, Shatin, Hong Kong, and
[b]Department of Physics, The Chinese University of Hong Kong, Shatin, Hong Kong
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PB-42 **Bis(catechol) Quaternary Ammonium Derivatives: Synthesis and DNA Cross-Linking Studies**

Xiang Zhou*, Zhi-Bin Song, Xiao-Cheng Weng, Li-Wei Weng, Ming-Hui Bai
College of Chemistry and Molecular Sciences, Wuhan University, Hubei, Wuhan 430072
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PB-43 **2-Iodoxybenzenesulfonic Acid (IBS) as an Extremely Active Catalyst for the Oxiadation of Alcohols to Aldehydes, Ketones, and Carboxylic Acids with Oxone®**

Kazuaki Ishihara* and Muhammet Uyanik
Graduate School of Engineering, Nagoya University, Furo-cho, Chikusa, Nagoya464-8603, Japan
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PB-44 **Rhodium-Catalyzed Tandem Conjugate Addition-Mannich Cyclization Reaction: Straightforward Access to Fully Substituted Tetrahydroquinolines**

So Won Youn,* Ho Bong Lee
Department of Chemistry, Pukyong National University, Busan 608-737, Korea
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PB-45 **A Model Study for the Concise Construction of the Cortistatins Oxapentacyclic Core through Intramolecular Diels-Alder Reaction and Oxidative Dearomatization Cyclization**

Lianzhu Liu,[1] Yingxiang Gao,[1] Chao Che,[1] Na Wu,[1] Chuang-chuang Li[1,*] and Zhen Yang[1,2,*]
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