

## PROGRAM

### November 29, 2009 (Sunday)

- 13:00-17:30            **Registration**
- 14:30-17:00            **IUPAC Workshop**
- 18:30-20:00            **Welcome Reception**

### November 30, 2009 (Monday)

Chairpersons: Minoru Isobe, Kwan Soo Kim

- 09:00-09:15            **Opening Ceremony**
- 09:15-10:00    **OL    Drug Discovery Research: The Synergy of Synthetic and Natural Products Chemistry**  
Professor Dr. Her Royal Highness Princess Chulabhorn Mahidol  
Chulabhorn Research Institute, Vipavadee-Rangsit Highway, Bangkok 10210, Thailand.
- 10:00-10:45    **PL-01 Exploring Synthetic Methods and Their Utilities in Enantioselective Syntheses of Natural Products**  
Guo-Qiang Lin  
CAS Key Laboratory of Synthetic Chemistry of Natural Substances, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 345 Lingling Road, Shanghai 200032, China.  
[lingq@mail.sioc.ac.cn](mailto:lingq@mail.sioc.ac.cn)
- 10:45-11:30            **Poster Presentation A (Odd numbers)**
- Chairpersons: Zhu-Jun Yao, Prasat Kittakoop
- 11:30-12:00    **L-01    Marine Natural Products Conjuring Organic Chemistry**  
Takenori Kusumi, Takashi Ooi  
Graduate School of Science and Engineering, Global COE Program, Tokyo Institute of Technology, 2-12-1-H-92 Oookayama, Meguro, Tokyo 152-8551, Japan, and Faculty of Pharmaceutical Sciences, Tokushima University, Tokushima 770-8505, Tokushima, Japan.  
[kusumi.t.ab@m.titech.ac.jp](mailto:kusumi.t.ab@m.titech.ac.jp)
- 12:00-12:30    **L-02    Development of Primary Amino Acid-Based Enantioselective Organocatalytic Synthetic Methods**  
Xiao Han, Qiang Zhu, Jacek Kwiakowski, Zhaoqin Jiang, Lili Cheng, Xiaoyu Wu, Jie Luo, Li-Wen Xu, Yixin Lu  
Department of Chemistry, Faculty of Science & Medicinal Chemistry Program, Life Sciences Institute, National University of Singapore, Singapore, 117543, Republic of Singapore.  
[chmlyx@nus.edu.sg](mailto:chmlyx@nus.edu.sg)
- 12:30-13:30            **Lunch**

November 30, 2009 (Monday)

Chairpersons: Koichi Narasaka, Tony K. M. Shing

13:30-14:15    **PL-02 Invention of Transition Metal-Catalyzed Carbon–Carbon Bond Forming Reactions for Organic Synthesis**  
Tamejiro Hiyama  
Department of Material Chemistry, Kyoto University, Katsura, Nishikyo-ku, Kyoto 615-8510, Japan.  
[thiyama@z06.mbox.media.kyoto-u.ac.jp](mailto:thiyama@z06.mbox.media.kyoto-u.ac.jp)

14:15-14:45    **L-03 Total Syntheses of (±)-Minfiensine and (±)-Vincorine**  
Yong Qin  
Department of Chemistry of Medicinal Natural Products, West China School of Pharmacy, Sichuan University, Chengdu 610041, China.  
[yongqin@scu.edu.cn](mailto:yongqin@scu.edu.cn)

14:45-15:15    **L-04 Stereoselective Generation of (2-Fluoroalkenyl)iodonium Ylides and Their Use for Stereoselective Synthesis of Fluoroalkenes**  
Shoji Hara, Satoshi Shimobaba, Guan Tong  
Graduate School of Engineering, Hokkaido University, Sapporo 060-8628, Japan.  
[shara@eng.hokudai.ac.jp](mailto:shara@eng.hokudai.ac.jp)

15:15-16:00    **Poster Presentation A (Even numbers)**

Chairpersons: Keisuke Suzuki, Kyo Han Ahn

16:00-16:30    **L-05 Efficient Dye Solar Cells Based on Novel Donor- $\pi$ -Acceptor Type Organic Dyes**  
Tanika Khunasa, Janeeya Khunchalee, Sukrawee Pansay, Palita Kochapradit, Siriporn Jungsuttiwng, Tinnakon Keawin, Taweesak Sudyoadsuk, Vinich Promarak  
Center for Organic Electronics and Polymers (COEP), Department of Chemistry and Excellence Center for Innovation in Chemistry, Faculty of Science, Ubon Ratchathani University, Warinchumrap, Ubon Ratchathani 34190, Thailand.  
[pvinich@sci.ubu.ac.th](mailto:pvinich@sci.ubu.ac.th)

16:30-17:00    **L-06 Efficient Multi-Photon Excited Photoluminescence and Lasing of  $\pi$ -Conjugated Oligomers**  
Man Shing Wong, Xin Jiang Feng, Po Lam Wu, Hoi Lam Tam, Kok Wai Cheah  
Department of Chemistry and Department of Physics, Centre for Advanced Luminescence Materials, Hong Kong Baptist University, Kowloon Tong, Hong Kong SAR, China.  
[mshwong@hkbu.edu.hk](mailto:mshwong@hkbu.edu.hk)

17:00-17:30    **L-07 Chromogenic and Fluorogenic Sensing of Heavy Metal Ions Using Calix[4]arene Derivatives**  
Wen-Sheng Chung  
Department of Applied Chemistry, National Chiao Tung University, Hsinchu, Taiwan 30050.  
[wschung@cc.nctu.edu.tw](mailto:wschung@cc.nctu.edu.tw)

18:00-21:00    **Business Meeting I / Dinner**

**December 1, 2009 (Tuesday)**

Chairpersons: Pak Hing Leung, Toshio Nishikawa

09:00-09:45    **PL-03 Functional Metallopolynes and Metallophosphors for Organic Optoelectronics**  
Wai-Yeung Wong  
Department of Chemistry and Centre for Advanced Luminescence Materials,  
Hong Kong Baptist University, Waterloo Road, Hong Kong SAR, China.  
[rwywong@hkbu.edu.hk](mailto:rwywong@hkbu.edu.hk)

09:45-10:15    **L-08 Organic transistor/Memory Devices Based on Pentacene Films Embedding Nanostructured Metallic or Organic Clusters**  
Yu-Tai Tao, Chiao-Wei Tseng  
Institute of Chemistry, Academia Sinica, Taipei, Taiwan and Department of  
Chemistry, National Tsing-Hua University, Hsin-Chu, Taiwan.  
[ytt@chem.sinica.edu.tw](mailto:ytt@chem.sinica.edu.tw)

10:15-10:45    **L-09 Irreversible Fluorescent Chemosensors and Their Applications**  
Jinsung Tae, Sunho Lee, Shincheol Kang, Jihyeon Lee  
Department of Chemistry, Yonsei University, Seoul 120-749, Korea.  
[jstae@yonsei.ac.kr](mailto:jstae@yonsei.ac.kr)

10:45-11:30    **Poster Presentation B (Odd numbers)**

Chairpersons: Guo-Qiang Lin, Somsak Ruchirawat

11:30-12:00    **L-10 The New World of Organic Chemistry in Water**  
Shū Kobayashi  
Department of Chemistry, School of Science and Graduate School of  
Pharmaceutical Sciences, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo  
113-0033, Japan.  
[shu\\_kobayashi@chem.s.u-tokyo.ac.jp](mailto:shu_kobayashi@chem.s.u-tokyo.ac.jp)

12:00-12:30    **L-11 Pd-Catalyzed Asymmetric Allylic Alkylation with “Hard” Carbon-Nucleophiles**  
Xue-Long Hou  
State Key Laboratory of Organometallic Chemistry, Shanghai Institute of  
Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai  
200032, China.  
[xlhou@mail.sioc.ac.cn](mailto:xlhou@mail.sioc.ac.cn)

12:30-13:30    **Group Picture/Lunch**

December 1, 2009 (Tuesday)

Chairpersons: Atsushi Nishida, Pauline Chiu

13:30-14:15    **PL-04 Development of New Stereoselective Glycosylation Methodologies and Their Application to Oligosaccharide Synthesis**  
Kwan Soo Kim  
Center for Bioactive Molecular Hybrids and the Department of Chemistry,  
Yonsei University Seoul 120-749, Korea.  
[kwan@yonsei.ac.kr](mailto:kwan@yonsei.ac.kr)

14:15-14:45    **L-12 Preparation of Cage-Opened Fullerene Derivatives**  
Liangbing Gan  
Beijing National Laboratory for Molecular Sciences, Key Laboratory of  
Bioorganic Chemistry and Molecular Engineering of the Ministry of Education,  
College of Chemistry and Molecular Engineering, Peking University, Beijing  
100871, China.  
[gan@pku.edu.cn](mailto:gan@pku.edu.cn)

14:45-15:15    **L-13 Recyclable Metal-Nanoparticle Catalysts for Organic Reactions**  
Jaiwook Park, Sungjin Kim, Eun Young Lee  
Department of Chemistry, Pohang University of Science and Technology,  
Pohang 790-784, Korea.  
[pjw@postech.ac.kr](mailto:pjw@postech.ac.kr)

15:15-16:00    **Poster Presentation B (Even numbers)**

Chairpersons: Chun-Chen Liao, Biing-Jiun Uang

16:00-16:30    **L-14 Total Synthesis of (+)-Haplophytine**  
Hidetoshi Tokuyama  
Graduate School of Pharmaceutical Sciences, Tohoku University, Aoba 6-3,  
Aramaki, Aoba-ku, Sendai 980-8578, Japan.  
[tokuyama@mail.pharm.tohoku.ac.jp](mailto:tokuyama@mail.pharm.tohoku.ac.jp)

16:30-17:00    **L-15 Multifunctional Polymeric Catalysts**  
Patrick H. Toy  
Department of Chemistry, The University of Hong Kong, Pokfulam Road,  
Hong Kong SAR, China.  
[phtoy@hku.hk](mailto:phtoy@hku.hk)

17:00-17:30    **L-16 Total Synthesis of Natural Products: Strategies and Opportunities**  
David Yu-Kai Chen  
Chemical Synthesis Laboratory (CSL) @ Biopolis, Institute of Chemical and  
Engineering Sciences (ICES), Agency for Science, Technology and Research  
(A\*Star), 11 Biopolis Way, The Helios Block #03-08, Singapore 138667.  
[david\\_chen@ices.a-star.edu.sg](mailto:david_chen@ices.a-star.edu.sg)

18:00-21:00    **Excursion I (Chaopraya River Cruise)**

**December 2, 2009 (Wednesday)**

Chairpersons: Sung Ho Kang, Poonsakdi Ploypradith

09:00-09:45    **PL-05 Synthesis of Carbocyclic Compounds through Metal-catalyzed Activation of Alkynes**  
Rai-Shung Liu  
Department of Chemistry, National Tsing-Hua University, Hsinchu, Taiwan.  
[rwywong@hkbue.edu.hk](mailto:rwywong@hkbue.edu.hk)

09:45-10:15    **L-17 Amidophosphane Ligand Tunable for Catalytic Asymmetric Reactions**  
Kiyoshi Tomioka  
Synthetic Medicinal Chemistry, Graduate School of Pharmaceutical Sciences, Kyoto University, Yoshida, Sakyo-ku, Kyoto 606-8501, Japan.  
[tomioka@pharm.kyoto-u.ac.jp](mailto:tomioka@pharm.kyoto-u.ac.jp)

10:15-10:45    **L-18 Asymmetric Catalysis Using Chiral N,N'-Dioxide Ligands**  
Xiaoming Feng  
Key Laboratory of Green Chemistry & Technology, Ministry of Education, College of Chemistry, Sichuan University, Chengdu 610064, China.  
[xmfeng@scu.edu.cn](mailto:xmfeng@scu.edu.cn)

10:45-11:30    **Poster Presentation C (Odd numbers)**

Chairpersons: Xin-Shan Ye, Hidenori Watanabe

11:30-12:00    **L-19 Catalytic Reactions Involving the Cleavage of C-CN Bonds**  
Mamaru Tobis, Naoto Chatani  
Department of Applied Chemistry, Faculty of Engineering, Osaka University, Suita, Osaka 565-0871, Japan.  
[chatani@chem.eng.osaka-u.ac.jp](mailto:chatani@chem.eng.osaka-u.ac.jp)

12:00-12:30    **L-20 Rediscovery of Ketene Chemistry in Different Context: Ketene-Functionalized Polymers for Materials Application**  
Bongjin Moon, Minhyuck Kang, Frank Leibfarth, Craig J. Hawker  
Department of Chemistry, Sogang University, Seoul 121-742, Korea and Departments of Materials, Chemistry and Biochemistry, Materials Research Laboratory, University of California, Santa Barbara, CA 93106, USA.  
[bjmoon@sogang.ac.kr](mailto:bjmoon@sogang.ac.kr)

12:30-14:00    **Lunch**

13:15-14:00    **Business Meeting II**

December 2, 2009 (Wednesday)

Chairpersons: Tamejiro Hiyama, Ming-Hua Xu

14:00-14:45    **PL-06 Application of Organic Azides towards Synthesis of Azaheterocycles**  
Shunsuke Chiba  
Division of Chemistry and Biological Chemistry, School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore 637371, Singapore.  
[shunsuke@ntu.edu.sg](mailto:shunsuke@ntu.edu.sg)

14:45-15:15    **L-21 Asymmetric Synthesis with Planar Chiral Heterocycles**  
Katsuhiko Tomooka  
Institute for Materials Chemistry and Engineering, Kyushu University, Kasuga-koen 6-1, Kasuga-shi, Fukuoka 816-8580, Japan.  
[ktomooka@cm.kyushu-u.ac.jp](mailto:ktomooka@cm.kyushu-u.ac.jp)

15:15-16:00    **Poster Presentation C (Even numbers)**

Chairpersons: Masahiko Yamaguchi, Keiji Tanino

16:00-16:30    **L-22 Pyrrolidinyl Peptide Nucleic Acids as Probes for DNA Biosensor Applications**  
Cheeraporn Ananthanawat, Boonjira Boontha, Pratchayaporn Korkaew, Voravee Hoven, Tirayut Vilaivan  
Organic Synthesis Research Unit, Department of Chemistry, Faculty of Science, Chulalongkorn University, Phayathai Road, Patumwan, Bangkok 10210, Thailand.  
[vtirayut@chula.ac.th](mailto:vtirayut@chula.ac.th)

16:30-17:00    **L-23 Neuritogenic Starfish Steroid Glycosides: Discovery, *In Vivo* Activity, and Active Analog Synthesis**  
Makoto Ojika, Takayoshi, Mamiya, Yumi Sasayama, Jianhua Qi, Kouhei Horikawa, Takuya Yagyū, Shiro Kamada, Masatoshi Haga, Youji Sakagami  
Graduate School of Bioagricultural Sciences, Nagoya University, Chikusa-ku, Nagoya 464-8601, Japan, and Faculty of Pharmacy, Meijo University, Tenpaku-ku, Nagoya 468-8503, Japan.  
[ojika@agr.nagoya-u.ac.jp](mailto:ojika@agr.nagoya-u.ac.jp)

17:00-17:30    **L-24 Design, Synthesis and Evaluation of Iminocyclitols for the Development of Glycosidase Inhibitors**  
Chun-Hung Hans Lin, Ching-Wen Ho, Yu-Rei Chuan  
Institute of Biological Chemistry, Academia Sinica, No.128 Academia Road Section 2, Nan-Kang, Taipei, 11529, Taiwan.  
[chunhung@gate.sinica.edu.tw](mailto:chunhung@gate.sinica.edu.tw)

18:30-21:00    **Banquet/Lectureship Award**

December 3, 2009 (Thursday)

08:00-12:00    **Excursion II (Grand Palace & Anatasamakhom Throne Hall)**

12:00-13:30    **Lunch**

13:30-            **Departure for the Suvannabhumi International Airport  
Return to the Residence/The Miracle Grand Hotel**

## POSTER PRESENTATION

November 30, 2009 (Monday)

### Poster Presentation Session A

- PA-01 Annulation–Cyclization Approach to Polyketide-Derived Polycyclic Natural Products**  
Keisuke Suzuki  
Department of Chemistry, Tokyo Institute of Technology, SORST–JST, 2-12-1, O-okayama, Meguro-ku, Tokyo 152-8551, Japan.  
[ksuzuki@chem.titech.ac.jp](mailto:ksuzuki@chem.titech.ac.jp)
- PA-02 Asymmetric Synthesis of Chiral Pyroglutamates and Their Application in the Synthesis of Pyrrolizidine Alkaloids**  
Chuan-Chung Chung, Kwan-Wen Lin, Yen-Fang Wen, Yi-Fang Lin, Biing-Jiun Uang  
Department of Chemistry, National Tsing Hua University, Hsinchu, Taiwan 30013.  
[bjuang@mx.nthu.edu.tw](mailto:bjuang@mx.nthu.edu.tw)
- PA-03 Total Synthesis of Crinipellin B**  
Wonyeob Kim, Mi-Hee Han, Seog-Bum Song, Hee-Yoon Lee  
Department of Chemistry, Korea Advanced Institute of Science and Technology, Daejeon 305-701, Korea.  
[leehy@kaist.ac.kr](mailto:leehy@kaist.ac.kr)
- PA-04 Intramolecular Direct Aldol Reactions of Sugar Diketones**  
Tony K. M. Shing, Hau M. Cheng  
Department of Chemistry and Center of Novel Functional Molecules, The Chinese University of Hong Kong, Shatin, Hong Kong SAR, China.  
[tonyshing@cuhk.edu.hk](mailto:tonyshing@cuhk.edu.hk)
- PA-05 A Novel Reverse Prenylation of Indole Derivatives by Means of Acetylene Cobalt Complex**  
Toshio Nishikawa, Hisaaki Isaji, Atsuo Nakazaki, Minoru Isobe  
Graduate School of Bioagricultural Sciences, Nagoya University, Chikusa, Nagoya 464-8601, Japan and Department of Chemistry, National Tsing Hua University, Hsinchu 300131, Taiwan.  
[nisikawa@agr.nagoya-u.ac.jp](mailto:nisikawa@agr.nagoya-u.ac.jp)
- PA-06 “On water” Mediated Reaction of Nitroolefins with Various Nucleophiles**  
Ching-Fa Yao  
Department of Chemistry, National Taiwan Normal University, 88, Sec. 4, Tingchow Road, Taipei 116, Taiwan.  
[cheyao@ntnu.edu.tw](mailto:cheyao@ntnu.edu.tw)
- PA-07 Total Synthesis of Polyanthellin A on the Basis of a Higher Order Cycloaddition Reaction**  
Keiji Tanino, Koichiro Dota  
Faculty of Science, Hokkaido University, Sapporo 060-0810 Japan.  
[ktanino@sci.hokudai.ac.jp](mailto:ktanino@sci.hokudai.ac.jp)
- PA-08 Friedel Crafts Arylations**  
Simon Duttwyler, Anthony Linden, Kim K. Baldrige, Jay S. Siegel  
Organic Chemistry Institute, University of Zurich, Winterthurerstrasse 190, Zürich 8057, Switzerland.  
[jss@oci.uzh.ch](mailto:jss@oci.uzh.ch)



- PA-09 Synthesis and Biological Activities of Azalamellarins**  
Nopporn Thasana, Sasiwadee Boonya-udtayan, Nattawut Yotapan, Carson Bruns, Christina Woo, Somsak Ruchirawat  
Laboratory of Medicinal Chemistry, Chulabhorn Research Institute, and Program in Chemical Biology, Center for Environmental Health, Toxicology and Management of Toxic Chemicals, Chulabhorn Graduate Institute, Vipavadee-Rangsit Highway, Bangkok 10210 Thailand.  
[nopporn@cri.or.th](mailto:nopporn@cri.or.th)
- PA-10 A Novel Total Synthesis of Estrone**  
Wei-Dong Z. Li, Ya-Ping Xue  
State Key Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000 and State Key Laboratory & Institute of Elemento-organic Chemistry, Nankai University, Tianjin 300071, China.  
[wlli@nankai.edu.cn](mailto:wlli@nankai.edu.cn)
- PA-11 A New Approach towards 6-Membered Azacycles Using Gold(I)-Catalyzed Cycloisomerization of Mixed N,O-Acetals**  
Young Ho Rhee, Cheoljae Kim, Hyo Jin Bae, Haejin Kim, Vasu Sampath  
Department of Chemistry, POSTECH (Pohang University of Science and Technology), Hyoja-dong San 31, Pohang, Kyungbook, Republic of Korea, 790-784.  
[yhrhee@postech.ac.kr](mailto:yhrhee@postech.ac.kr)
- PA-12 Intramolecular Nucleophilic Addition Reactions of Tertiary Enamides to Epoxides and Ketones, Highly Efficient and Selective Approaches to Clausena Alkaloids and Analogs**  
Luo Yang, De-Xian Wang, Zhi-Tang Huang, Mei-Xiang Wang  
National Laboratory for Molecular Sciences, CAS Laboratory of Molecular Recognition and Function, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100190, China, and The Key Laboratory of Bioorganic Phosphorus Chemistry & Chemical Biology (Ministry of Education), Department of Chemistry, Tsinghua University, Beijing 100084, China.  
[wangmx@mail.tsinghua.edu.cn](mailto:wangmx@mail.tsinghua.edu.cn), [mxwang@iccas.ac.cn](mailto:mxwang@iccas.ac.cn)
- PA-13 Synthetic study of Unexpected C-Aminoglycosylation via Barbier-Grignard Type Allylation/Propargylation of Glycol: An Approach to Sialic Acids**  
Rujee Lorpitthaya, Siming Wang, Kalyan Kumar Pasunooti, Xiaozhou Luo, Xue-Wei Liu  
Division of Chemistry and Biological Chemistry, School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore 637313.  
[xuwei@ntu.edu.sg](mailto:xuwei@ntu.edu.sg)
- PA-14 Disulfides Exchange Reaction of Insulin Using Rhodium Trichloride**  
Mieko Arisawa, Manabu Kuwajima, 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](mailto:yama@mail.pharm.tohoku.ac.jp)
- PA-15 Sequential One Pot Synthesis of Dibenzo[a,c]cyclohepten-5-ones and Their Biological Activities Against Cancer Cell Lines**  
Poolsak Sahakitpichan, Juthatip Boonsombat, Somsak Ruchirawat  
Laboratory of Natural Products, Chulabhorn Research Institute, and Program in Chemical Biology, Chulabhorn Graduate Institute, Vipavadee-Rangsit Highway, Bangkok 10210, Thailand.  
[poolsak@cri.or.th](mailto:poolsak@cri.or.th)



- PA-16 Novel Asymmetric Domino Reactions Promoted by Acid-Base Organocatalysts**  
Shinobu Takizawa, Naohito Inoue, 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](mailto:sasai@sanken.osaka-u.ac.jp)
- PA-17 Non-classical Bonding in Carbon Chemistry: Bent Allenes, Carbenes, Zwitterions or Carbon(0)-Complexes?**  
Han Vinh Huynh, Yuan Han, Li Juan Lee  
Department of Chemistry, National University of Singapore, 3 Science Drive 3, 117543 Singapore.  
[chmhv@nus.edu.sg](mailto:chmhv@nus.edu.sg)
- PA-18 Development of New Direct Catalytic Reactions Using Tetranuclear Zinc Clusters**  
Takashi Ohshima, Takanori Iwasaki, Yusuke Maegawa, Yukiko Hayashi, Kazushi Agura, Kazushi Mashima  
Department of Chemistry, Graduate School of Engineering Science, Osaka University 1-3 Machikaneyama, Toyonaka, Osaka 560-8531, Japan.  
[ohshima@chem.es.osaka-u.ac.jp](mailto:ohshima@chem.es.osaka-u.ac.jp)
- PA-19 Formal Total Synthesis of N-Methylmaysenine**  
Zhen Yang  
College of Chemistry and Molecular Engineering, Peking University, Beijing 100871, China and Laboratory of Chemical Genomics, School of Chemical Biology and Biotechnology, Shenzhen Graduate School of Peking University, Shenzhen 518055, China.  
[zyang@pku.edu.cn](mailto:zyang@pku.edu.cn)
- PA-20 Asymmetric Diels-Alder Reaction of Danishefsky Dienes**  
Atsushi Nishida, Shinji Harada, Siharu Hiraoka, Nozomi Toudou, Daisuke Shirasaki, Yukinori Sudo  
School of Pharmaceutical Sciences, Chiba University, 1-33 Yayoi-cho, Inage-ku, Chiba 263-8522, Japan.  
[nishida@p.chiba-u.ac.jp](mailto:nishida@p.chiba-u.ac.jp)
- PA-21 Synthesis of gem-Difluoromethylenated 1-Azabicyclic Compounds by Fluoride-Catalyzed Addition of PhSCF<sub>2</sub>SiMe<sub>3</sub> to N-Substituted Cyclic Imides Followed by Radical Cyclization**  
Manat Pohmakotr, Teerawut Bootwicha, Duanghathai Panichakul, Chutima Kuhakarn, Samran Prabpai, Palangpon Kongsaree, Patoomratana Tuchinda, Vichai Reutrakul  
Department of Chemistry and Center for Innovation in Chemistry, Faculty of Science, Mahidol University, Rama VI Road, Bangkok 10400, Thailand.  
[scmpk@mahidol.ac.th](mailto:scmpk@mahidol.ac.th)
- PA-22 Total Synthesis of Bioactive Natural Alkaloid Maistemone**  
Yong-Qiang Tu  
State Key Laboratory of Applied Organic Chemistry, Department of Chemistry, Lanzhou University, Lanzhou 730000, China.  
[tuyq@lzu.edu.cn](mailto:tuyq@lzu.edu.cn)

- PA-23 Bioactive Compounds from Thai Fungi**  
Porntep Chomcheon, Nattha Ingavat, Suthep Wiyakrutta, Nongluksna Sriubolmas, Nattaya Ngamrojanavanich, Chulabhorn Mahidol, Somsak Ruchirawat, Prasat Kittakooop  
Chulabhorn Research Institute, Vibhavadi Rangsit Road, Bangkok 10210, Thailand, Program of Biotechnology, Chulalongkorn University, Chulabhorn Graduate Institute, Department of Microbiology, Mahidol University, Department of Microbiology, Chulalongkorn University, and Chulabhorn Research Centre, Institute of Science and Technology for Research and Development, Mahidol University, Thailand.  
[prasat@cri.or.th](mailto:prasat@cri.or.th)
- PA-24 Programmable Assembly of Metal Complexes**  
Kentaro Tanaka, Yasuyuki Yamada, Shin-ichiro Kawano, Yusuke Takezawa, Guido H. Clever, Mitsuhiko Shionoya  
Department of Chemistry, Graduate School of Science, Nagoya University, Furo-cho, Chikusa-ku, Nagoya 464-8602, Japan, and Department of Chemistry, Graduate School of Science, The University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan.  
[kentaro@chem.nagoya-u.ac.jp](mailto:kentaro@chem.nagoya-u.ac.jp)
- PA-25 Antibacterial Metabolites from the Endophytic Fungi of the Genus *Botryosphaeria***  
Vatcharin Rukachaisirikul, Wipapan Pongcharoen, Jiraporn Arunpanichlert, Yaowapa Sukpondma, Souwalak Phongpaichit, and Jariya Sakayaroj  
Department of Chemistry and Center for Innovation in Chemistry, Department of Microbiology, Faculty of Science, Prince of Songkla University, Hat Yai, Songkhla 90112, Thailand, and National Center for Genetic Engineering and Biotechnology, Thailand Science Park, Klong Luang, Pathumthani, 12120, Thailand.  
[vatcharin.r@psu.ac.th](mailto:vatcharin.r@psu.ac.th)
- PA-26 New Indoles and Benzo[b]furans as Electroluminescent Materials**  
Jih Ru Hwu, Yung Chang Hsu, Kao-Shuh Chuang, Thainashmuthu Josephrajan, Shwu-Chen Tsay  
Department of Chemistry, National Central University, Jhongli, Taiwan 32001, and Department of Chemistry, National Tsing Hua University, Hsinchu, Taiwan 30013.  
[jrhwu@mx.nthu.edu.tw](mailto:jrhwu@mx.nthu.edu.tw)
- PA-27 Development of “Turn-On” Fluorescent Probes for Amino-Carboxylates and Metal Ions Based on Organic Reactions**  
Kyo Han Ahn, Dowook Ryu, Amrita Chatterjee, Mithun Santra  
Department of Chemistry and Center for Electro-Photo Behaviors in Advanced Molecular Systems, POSTECH, San 31 Hyoja-dong, Pohang, 790-784, Korea.  
[ahn@postech.ac.kr](mailto:ahn@postech.ac.kr)
- PA-28 Preparation and Fluorescence Characterization of Selected Derivatives of Quinoxaline, Quinoline and Benzoimidazole**  
Hairul Anuar Tajuddin, Zanariah Abdullah, Noor Doha Hassan, Zainal Abidin Hasan  
Department of Chemistry, Faculty of Science, University of Malaya, 50603 Kuala Lumpur, Malaysia.  
[hairul@um.edu.my](mailto:hairul@um.edu.my)
- PA-29 Engineering of Protein-Based Biosensor for Sensing of Metal Ion and Reactive Oxygen Species**  
Chartchalerm Isarankura-Na-Ayudhya, Tanawut Tantimongcolwat, Virapong Prachayasittikul  
Department of Clinical Microbiology, Faculty of Medical Technology, Mahidol University, Bangkok 10700 Thailand.  
[mtcis@mahidol.ac.th](mailto:mtcis@mahidol.ac.th)
- PA-30 Towards Controlling Self Organization of Discotic Liquid Crystal: Overcoming Core Dipole Interaction by Rational Design of Amphiphilic Peripheral Side Chains**  
Yu-Lou Su, Mei-Chin Tzeng, Chi Wi Ong  
Department of Chemistry, National Sun Yat Sen University, Kaoshiung, Taiwan 804.  
[cong@mail.nsysu.edu.tw](mailto:cong@mail.nsysu.edu.tw)

- PA-31 Highly Efficient Asymmetric Polar Head Cholesterol-Based Cationic Lipids for DNA Delivery to Human Prostate Adenocarcinoma Cells**  
Boon-ek Yingyongnarongkul, Widchaya Radchatawedchakoon, Aungkana Krajarng, Ramida Watanapokasin, Apichart Suksamrarn  
Department of Chemistry, Faculty of Science, Ramkhamhaeng University, Bangkapi, Bangkok 10240, Thailand, and Department of Biochemistry, Faculty of Medicine, Srinakharinwirot University, Wadhana, Bangkok 10110, Thailand.  
[boonek@ru.ac.th](mailto:boonek@ru.ac.th)
- PA-32 Marine Polycyclic Ethers-Molecular Mode of Action**  
Tohru Oishi, Satoru Ujihara, Kohei Torikai, Nobuaki Matsumori, Michio Murata  
Department of Chemistry, Osaka University, 1-1 Machinakeyama, Toyonaka, Osaka 560-0043, Japan.  
[murata@ch.wani.osaka-u.ac.jp](mailto:murata@ch.wani.osaka-u.ac.jp)
- PA-33 The Novel Antimetastatic Agents: A Breakthrough in the Treatment of Lung and Breast Cancers**  
Wen-Shan Li, Kai-Hsuan Chang, Tzu Ting Chang, Ya Ching Jen, Kung-Cheng Liu, Chin-Chun Hung, Yi-Ching Wang, Wen-Chun Hung, Shu-Chuan Jao  
Institute of Chemistry, Academia Sinica, Department of Pharmacology, National Cheng Kung University, Institute of Biomedical Sciences, National Sun Yat-Sen University, and Institute of Biological Chemistry, Academia Sinica, Taipei, Taiwan.  
[wenshan@gate.sinica.edu.tw](mailto:wenshan@gate.sinica.edu.tw)
- PA-34 Development of a Set of Simple, Interpretable ADMET Rules of Thumb**  
M. Paul Gleeson  
Kasetsart University, Department of Chemistry, Faculty of Science, 50 Phaholyothin Rd, Chatuchak, Bangkok 10900, Thailand, and Chulabhorn Research Institute, Laboratory of Medicinal Chemistry, Vipavadee-Rangsit Highway, Bangkok 10210 Thailand.  
[paul.gleeson@ku.ac.th](mailto:paul.gleeson@ku.ac.th)
- PA-35 High Performances of Gold Nano-particles Supported on Cobalt Oxide (Au/Co<sub>3</sub>O<sub>4</sub>) as an Alternative Catalyst for Homogeneous Cobalt Carbonyls**  
Makoto Tokunaga, Akiyuki Hamasaki, Xiaohao Liu, Yoshihiro Yamane, Shingo Haraguchi  
Department of Chemistry, Kyushu University, 6-10-1 Hakozaki, Higashi-ku, Fukuoka 812-8581, Japan.  
[mtok@chem.kyushu-univ.jp](mailto:mtok@chem.kyushu-univ.jp)
- PA-36 An Indolocarbazole Oligomer Binding Sulfate Ion with High Selectivity and Its Crystal Structure of Helical Conformation**  
Kyu-Sung Jeong, Jun-il Kim  
Center for Bioactive Molecular Hybrids, Department of Chemistry, Yonsei University Seoul, 120-749, Korea.  
[ksjeong@yonsei.ac.kr](mailto:ksjeong@yonsei.ac.kr)

**December 1, 2009 (Tuesday)**

**Poster Presentation Session B**

- PB-01 Synthesis of Symmetrical and Unsymmetrical *N*-Aryl and *N*-Alkyl Ureas and Recent Advances on C-N coupling**  
Man-kit Leung  
Department of Chemistry and Institute of Polymeric Science and Engineering, National Taiwan University, 1 Roosevelt Road, Sec. 4, Taipei, Taiwan.  
[mkleung@ntu.edu.tw](mailto:mkleung@ntu.edu.tw)
- PB-02 Palladium-Catalyzed Annulation of 2-(1-Alkynyl)biphenyls with Aryl Iodides to Di-substituted Methylidenefluorenes**  
Chin-Chau Chen, Shyh-Chyun Yang, Ming-Jung Wu  
School of Pharmacy, Kaohsiung Medical University, Kaohsiung, Taiwan, and Department of Chemistry, National Sun Yat-sen University, Kaohsiung, Taiwan.  
[mijuwu@faculty.nsysu.edu.tw](mailto:mijuwu@faculty.nsysu.edu.tw)
- PB-03 Stereoselective Three Component Coupling Reaction for beta-Branched Morita-Baylis-Hillman Ester**  
Do Hyun Ryu, Sung Il Lee, Bidyut Kumar Senapati, Geum-Sook Hwang  
Department of Chemistry, Sungkyunkwan University, Suwon 440-746 and Korea Basic Science Institute, 5St, Anam-Dong, Seongbuk-Gu, Seoul, Korea.  
[dhryu@skku.edu](mailto:dhryu@skku.edu)
- PB-04 Synthesis and Evaluation of Novel Non-peptide Corticotropin Releasing Hormone Receptor-1 Antagonists for Imaging Studies**  
B. Moon Kim, Chiyeun Chough, Jin Kyu Choi  
Department of Chemistry, College of Natural Sciences, Seoul National University, Seoul, 151-747, Korea.  
[kimbm@snu.ac.kr](mailto:kimbm@snu.ac.kr)
- PB-05 Allene Cyclisations for Heterocycle Synthesis**  
Roderick W. Bates, M. R. Dewey, C. J. Lim, Y. Lu, S. Sridhar  
Division of Chemistry and Biological Chemistry, School of Physical and Mathematical Sciences, Nanyang technological University, 21 Nanyang Link, Singapore 637371.  
[Roderick@ntu.edu.sg](mailto:Roderick@ntu.edu.sg)
- PB-06 Polymer-Supported *N*-Phenylsulfonyloxaziridine (Davis Reagent): A Versatile Oxidant**  
Yulin Lam, Yongnian Gao  
Department of Chemistry, National University of Singapore, 3 Science Drive 3, Singapore 117543.  
[chmlamyl@nus.edu.sg](mailto:chmlamyl@nus.edu.sg)
- PB-07 Expeditious Access to Natural Product Analogs Employing Versatile Scaffolds: Systematic Diversification of Ring-junctions and Divergent Cyclizations**  
Hiroki Oguri, Takahisa Hiruma, Haruki Mizoguchi, Hideaki Oikawa  
Division of Chemistry, Graduate School of Science, and Division of Innovative Research, Creative Research Initiative 'Sousei' (CRIS), Hokkaido University, Japan.  
[oguri@sci.hokudai.ac.jp](mailto:oguri@sci.hokudai.ac.jp)

- PB-08 Aluminum-Mediated Direct Carboxylation of Aromatic Compounds with CO<sub>2</sub> –Applicability and Dichotomy of the Reaction Mechanism–**  
Tetsutaro Hattori, Koji Nemoto, Satoru Onozawa, Naoya Morohashi  
Department of Environmental Studies, Graduate School of Environmental Studies, Tohoku University, 6-6-11 Aramaki-Aoba, Aoba-ku, Sendai 980-8579, Japan.  
[hattori@orgsynth.che.tohoku.ac.jp](mailto:hattori@orgsynth.che.tohoku.ac.jp)
- PB-09 Synthetic Studies toward Marine Alkaloid (–)-Nakadomarin A**  
Bin Cheng, Hongbin Zhai  
The Key Laboratory of Synthetic Chemistry of Natural Substances, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032, China and The State Key Laboratory of Natural and Biomimetic Drugs, Peking University, Beijing 100083, China.  
[zhaih@mail.sioc.ac.cn](mailto:zhaih@mail.sioc.ac.cn)
- PB-10 Efficient Total Synthesis of Water Soluble (S)-14-Azacamptothecin**  
Zhu-Jun Yao, Guan-Sai Liu  
State Key Laboratory of Bioorganic and Natural Products Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 345 Lingling Road, Shanghai 200032, China, and Nanjing National Laboratory of Microstructures, School of Chemistry and Chemical Engineering, Nanjing University, 22 Hankou Road, Nanjing 210093, China.  
[yaoz@mail.sioc.ac.cn](mailto:yaoz@mail.sioc.ac.cn), [yaoz@nju.edu.cn](mailto:yaoz@nju.edu.cn)
- PB-11 Chemical Transformation of the *Cinchona* Alkaloid**  
Didin Mujahidin, Maria Mardiasuti, Hans M. Rudolf Hoffmann  
Division of Organic Chemistry, Faculty of Mathematics and Natural Sciences, Institut Teknologi Bandung, Jalan Ganesa 10, Bandung 40132, Indonesia. Fax. 62-22-2504154, and Department of Organic Chemistry, University of Hannover, Schleinberg 1 B, Hannover 30176, Germany.  
[didin@chem.itb.ac.id](mailto:didin@chem.itb.ac.id)
- PB-12 *Ortho*-Quinone Methides Generated by *p*-TsOH on Silica and Their [4+2]-Cycloaddition Reactions with Styrenes**  
Poonsakdi Ploypradith, Jumreang Thummatorn, Paratchata Batsomboon, Suttipol Radomkit, 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](mailto:poonsakdi@cri.or.th)
- PB-13 A New Method for Synthesis of 2-Deoxyglycosides from D-glucal by Using Iodine Monobromide**  
Rungnapha Saeeng, Uthaiwan Sirion, Pornhathai Kankaew  
Department of Chemistry and Center for Innovation in Chemistry, Faculty of Science, Burapha University, Sangsook, Chonburi 20131, Thailand.  
[rungnaph@buu.ac.th](mailto:rungnaph@buu.ac.th)
- PB-14 Nitrones: An Expeditious Access to 1-Aminoindanes**  
Hyun-Suk Yeom, Youngun Lee, Jaewon Jeong, Seunghoon Shin  
Department of Chemistry, Hanyang University, Seoul, Korea, 133-791.  
[sshin@hanyang.ac.kr](mailto:sshin@hanyang.ac.kr)

- PB-15 Synthetic Studies on (–)-Gelsemoxonine**  
Jun Shimokawa, Satoshi Yokoshima, Tohru Fukuyama  
Laboratory of Synthetic Natural Products Chemistry, Graduate School of Pharmaceutical Sciences, University of Tokyo, 7-3-1 Hongo, Bunkyo-ku, Tokyo 113-0033, Japan.  
[jshimok@mol.f.u-tokyo.ac.jp](mailto:jshimok@mol.f.u-tokyo.ac.jp)
- PB-16 Spectroscopic Analyses and Chemical Transformations for Structure Elucidation of Novel Indole Alkaloids from *Gelsemium elegans***  
Noriyuki Kogure, Yousuke Yamada, Mariko Kitajima, Sumphan Wongseripipatana, Hiromitsu Takayama  
Graduate School of Pharmaceutical Sciences, Chiba University, Chiba 263-8522, Japan.  
[nkogure@p.chiba-u.ac.jp](mailto:nkogure@p.chiba-u.ac.jp)
- PB-17 Stereoselective Synthesis of Aryl 2-Deoxy-C-glycosides by Palladium-Catalyzed Coupling Reactions**  
Xin-Shan Ye, De-Cai Xiong, Hou-Hua Li  
State Key Laboratory of Natural and Biomimetic Drugs, School of Pharmaceutical Sciences, Peking University, Xue Yuan Road No. 38, Beijing 100191, China.  
[xinshan@bjmu.edu.cn](mailto:xinshan@bjmu.edu.cn)
- PB-18 Tetrahydro-1,4-epoxynaphthalene-1-carboxylic acid: A New Chiral Derivatizing Agent for Determination of the Absolute Configuration of Secondary Alcohols**  
Suttipun Sungsuwan, Nopporn Ruangsupapichart, Tienthong Thongpanchang  
Department of Chemistry and Center for Innovation in Chemistry, Faculty of Science, Mahidol University, Rama 6 Road, Bangkok 10400 Thailand, and National Center for Genetic Engineering and Biotechnology, Thailand Science Park, Klong Luang, Patumthani 12130, Thailand.  
[tettp@mahidol.ac.th](mailto:tettp@mahidol.ac.th)
- PB-19 AminoOrganoBoron (AOB) Complexes for Molecular Catalysis: Control of Hydrogen Transfer Process in Organic Synthesis**  
Shunsuke Oishi, Junichi Yoshimoto, Ryoji Noyori, Susumu Saito  
Graduate School of Science & Institute for Advanced Research, Nagoya University, Chikusa, Nagoya, 464-8602, Japan.  
[saito.susumu@f.mbox.nagoya-u.ac.jp](mailto:saito.susumu@f.mbox.nagoya-u.ac.jp)
- PB-20 Suzuki-Miyaura Coupling of Alkyl Halides Catalyzed by Novel Iron-Phosphine Complexes**  
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](mailto:masaharu@scl.kyoto-u.ac.jp)
- PB-21 Enantioselective Oxidative Kinetic Resolution of Racemic Secondary Alcohols Using Chirally Modified AZADOs**  
Yoshiharu Iwabuchi  
Graduate School of Pharmaceutical Sciences, Tohoku University, 6-3 Aobayama, Sendai 980-8578, Japan.  
[iwabuchi@mail.pharm.tohoku.ac.jp](mailto:iwabuchi@mail.pharm.tohoku.ac.jp)
- PB-22 Biologically Active Prenylated Flavonoids from the Roots of *Eriosema chinense***  
Somyote Sutthivaiyakit, Oracha Thongnak, Thitima Lhinhatrakool, Orapan Yodchun, Ratee Srimark, Prisana Dowtaisong, and Mayuree Chuankamnerdkarn  
Department of Chemistry and Center for Innovation in Chemistry, Faculty of Science, Ramkhamhaeng University, Hua Mark, Bangkapi, Bangkok 10240, Thailand.  
[s\\_somyote@ru.ac.th](mailto:s_somyote@ru.ac.th)



- PB-23 Bioactive Ingredients from the Mangrove and Thai Medicinal Plants**  
Chatchanok Karalai, Chanita Ponglimanont, Suchada Chantrapromma, Akkharawit Kanjana-Opas, Supinya Tiewtrakul, Kan Chantrapromma, Hoong Kun-Fun  
Department of Chemistry, Faculty of Science, Prince of Songkla University, Hat-Yai, Songkhla 90110, Thailand.  
[chatchanok.k@psu.ac.th](mailto:chatchanok.k@psu.ac.th)
- PB-24 Computational Modeling of Imprinting Factor of Molecularly Imprinted Polymers via Data Mining Approach**  
Chanin Nantasenam, Chartchalerm Isarankura-Na-Ayudhya, Virapong Prachayasittikul  
Department of Clinical Microbiology, Faculty of Medical Technology, Mahidol University, Bangkok 10700, Thailand.  
[mtcnt@mahidol.ac.th](mailto:mtcnt@mahidol.ac.th)
- PB-25 A New Bipolar Material for Highly Efficient Deep-Blue Fluorescence, Yellow-Green Phosphorescence and White OLEDs**  
Ken-Tsung Wong  
Department of Chemistry, National Taiwan University, Taipei 10617, Taiwan.  
[kenwong@ntu.edu.tw](mailto:kenwong@ntu.edu.tw)
- PB-26 Chromogenic and Fluorogenic Sensing of Cu<sup>2+</sup> based on Thiazole Derivatives**  
Hong-Seok Kim, Aasif Helal, Sang Hoon Lee, Sang Hyun Kim  
Department of Applied Chemistry, Kyungpook National University, Daegu, 702-701, Korea.  
[kimhs@knu.ac.kr](mailto:kimhs@knu.ac.kr)
- PB-27 Reversible Switching Between Hydrophilic and Hydrophobic Magnetic Microsphere Surfaces via One-Step Supramolecular Dynamic Dendronization**  
Ken Cham-Fai Leung, Shouhu Xuan  
Center of Novel Functional Molecules, Department of Chemistry, The Chinese University of Hong Kong, Shatin, NT, Hong Kong SAR, China.  
[cfleung@cuhk.edu.hk](mailto:cfleung@cuhk.edu.hk)
- PB-28 Bisanthene-based Soluble and Stable Near-Infrared Dyes**  
Kai Zhang, Junhong Yao, Jinling Li, Jishan Wu  
Department of Chemistry, National University of Singapore, 3 Science Drive 3, 117543, Singapore.  
[chmwuj@nus.edu.sg](mailto:chmwuj@nus.edu.sg)
- PB-29 Confusion Approach to Near-IR Luminescent Porphyrinoids**  
Hiroyuki Furuta  
Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University, Fukuoka 819-0395, Japan.  
[hfuruta@cstf.kyushu-u.ac.jp](mailto:hfuruta@cstf.kyushu-u.ac.jp)
- PB-30 Cereulide, an Emetic Toxin from *B. cereus* Takes Antipodal Frame with Different Chem-bio-activities from Valinomycin, an Antibiotic from *S. fulvissimus***  
Minoru Isobe, Arthit Makarasen  
Chemistry Department, National Tsing Hua University, 101 Sec. 2, Kuang Fu Road, Hsinchu 30013 Taiwan, and Chulabhorn Research Institute, Vipavadee-Rangsit Highway, Bangkok 10210, Thailand.  
[minoru@mx.nthu.edu.tw](mailto:minoru@mx.nthu.edu.tw)



- PB-31 Biosynthetic Studies of Macrolide Antibiotic FD-891 Produced by *Streptomyces graminofaciens* A-8890**  
Fumitaka Kudo, Atsushi Motegi, Akiko Komatsubara, Tadashi Eguchi  
Department of Chemistry, Graduate School of Science and Engineering, Tokyo Institute of Technology, 2-12-1 O-okayama, Meguro-ku, Tokyo 152-8551, Japan.  
[fkudo@chem.titech.ac.jp](mailto:fkudo@chem.titech.ac.jp)
- PB-32 Synthesis of Natural Product-like Compounds with Anti-tumor Bioactivities**  
Jingbo Chen, Zhuxian Sun, Xianghui Zeng, Jianping Liu, Liang Li, Hongbin Zhang  
Key Laboratory of Medicinal Chemistry for Natural Resource, Ministry of Education, School of Chemical Science and Technology, Yunnan University, Kunming, Yunnan 650091, China.  
[zhanghb@ynu.edu.cn](mailto:zhanghb@ynu.edu.cn)
- PB-33 Evaluation of the Anti-inflammatory Potential of *Tectona grandis***  
Christine L. Chichioco-Hernandez, Noemi D. Paguigan, Jeffrey D. de Vera  
Institute of Chemistry, College of Science, University of the Philippines, Diliman, Quezon City 1101, Philippines.  
[cchernandez@up.edu.ph](mailto:cchernandez@up.edu.ph)
- PB-34 Structural Modification of Lamellarins to Optimize Their Cytotoxic Activities and Drug-like Properties**  
Montakarn Chittchang, M. Paul Gleeson, Poonsakdi Ploypradith, Somsak Ruchirawat  
Laboratory of Medicinal Chemistry, Chulabhorn Research Institute, and Chemical Biology Program, Chulabhorn Graduate Institute, Vibhavadee-Rangsit Highway, Bangkok 10210, Thailand, and Department of Chemistry, Faculty of Science, Kasetsart University, Phaholyothin Road, Chatuchak, Bangkok 10900, Thailand.  
[montakarn@cri.or.th](mailto:montakarn@cri.or.th)
- PB-35 Investigation of Antioxidative and Antimicrobial Activities of 1-Adamantylthio analog of Pyridines and Tetrahydropyridines**  
Supaluk Prachayasittikul, Lertyot Treeratanapiboon, Ratana Lawung, Ratchanok Pingaew, Apilak Worachartcheewan, Somsak Ruchirawat, Virapong Prachayasittikul  
Department of Chemistry, Faculty of Science, Srinakharinwirot University, Bangkok 10110, Thailand, Department of Parasitology, Faculty of Medical Technology, Mahidol University, Bangkok 10700, Thailand, Department of Clinical Microbiology, Faculty of Medical Technology, Mahidol University, Bangkok 10700, Thailand, and Laboratory of Medicinal Chemistry, Chulabhorn Research Institute, Bangkok 10210, Thailand.  
[supaluk@swu.ac.th](mailto:supaluk@swu.ac.th)
- PB-36 Hydrogen-bonding-mediated Supramolecular Porphyrin Array**  
Woo-Dong Jang, Dongyong Kim, Jungmi Heo, Chi-Hwa Lee  
Department of Chemistry, College of Science, Yonsei University, 262 Seongsanno, Seodaemun-gu, Seoul 120-749, Korea.  
[wjang@yonsei.ac.kr](mailto:wjang@yonsei.ac.kr)
- PB-37 Isomerization Polymerization of Cycloolefins Catalyzed by Pd Complexes. Synthesis of Liquid Crystalline Hydrocarbon Polymers**  
Kohtaro Osakada, Daisuke Takeuchi, Park Sehoon, Takeshi Okada  
Chemical Resources Laboratory R1-03, Tokyo Institute of Technology, 4259 Nagatsuta, Midori-ku, Yokohama, 226-8503, Japan.  
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**December 2, 2009 (Wednesday)**

**Poster Presentation Session C**

- PC-01 Photooxygenation of Masked *o*-Benzoquinones: An Efficient Entry to Highly Functionalized Cyclopentenones from 2-Methoxyphenols**  
Tzu-Chiao Kao, Chun-Chen Liao  
Department of Chemistry, National Tsing Hua University, Hsinchu, Taiwan 30013, and  
Department of Chemistry, Chung-Yuan Christian University, Taoyuan, Taiwan 32023.  
[ccliao@cycu.edu.tw](mailto:ccliao@cycu.edu.tw)
- PC-02 Total Synthesis of Azithromycin**  
Hyoung Cheul Kim, Sung Ho Kang  
Department of Chemistry, KAIST, Daejeon 305-701, Korea.  
[shkang@kaist.ac.kr](mailto:shkang@kaist.ac.kr)
- PC-03 Natural Products Synthesis from Chiral Aziridine-2-carboxylates**  
Yongeun Kim, Hee-Sung Eum, Alok Singh, Hyun-Joon Ha  
Department of Chemistry, Hankuk University of Foreign Studies, Yongin, 449-791, Korea.  
[hjha@hufs.ac.kr](mailto:hjha@hufs.ac.kr)
- PC-04 Copper-mediated Reductions of Unsaturated Thioesters**  
Ninglin Li, Pauline Chiu  
Department of Chemistry and Open Laboratory of Chemical Biology of the Institute of Molecular Technology for Drug Discovery and Synthesis, University of Hong Kong, Pokfulam Rd., Hong Kong SAR, China.  
[pchiu@hku.hk](mailto:pchiu@hku.hk)
- PC-05 Palladium-Catalyzed Direct Cross-Coupling of Olefins with Acrylates**  
Teck Peng Loh  
Division of Chemistry and Biological Chemistry, School of Physical and Mathematical Sciences, Nanyang Technological University, Singapore 637371, Singapore.  
[teckpeng@ntu.edu.sg](mailto:teckpeng@ntu.edu.sg)
- PC-06 Catalytic Electron Transfer Reaction for Organic Synthesis: Cyclization of Alkenyl and Alkynyl *N*-Benzoyloxysulfonamides to Pyrrolidine Derivatives**  
Wei-Min Liu, Zheng-Hong Liu, Koichi Narasaka  
Division of Chemistry and Biological Chemistry, School of Physical and Mathematical Sciences, Nanyang Technological University, SPMS-04-01, 21 Nanyang Link, Singapore 637371, Singapore.  
[narasaka@ntu.edu.sg](mailto:narasaka@ntu.edu.sg)
- PC-07 Asymmetric Approach to the Pentacyclic Skeleton of *Aspidosperma* Alkaloids via 1,3-Dipolar Cycloaddition of Carbonyl Ylides Catalyzed by Chiral Rh(II) Complexes**  
Hisanori Nambu, Mayuka Hikime, Megumi Kamiya, Naoyuki Shimada, Shunichi Hashimoto  
Faculty of Pharmaceutical Sciences, Hokkaido University, Sapporo 060-0812, Japan.  
[nambu@pharm.hokudai.ac.jp](mailto:nambu@pharm.hokudai.ac.jp)
- PC-08 Gold-Catalyzed Functionalization of Silyl Enol Ethers**  
Naoki Asao, Haruo Aikawa, Tetsuro Kaneko  
Department of Chemistry, Graduate School of Science, Tohoku University, Sendai 980-8578, Japan.  
[asao@m.tains.tohoku.ac.jp](mailto:asao@m.tains.tohoku.ac.jp)

- PC-09 Exploring Chiral Vicinal Diamines as Highly Effective Ligands for Transition Metal Catalysis: Asymmetric Synthesis of Enantioenriched Phthalides**  
Ming-Hua Xu, Shen-Shuang Jin, Bo Zhang, Chun Shen, Bao-Jian Pei, Guo-Qiang Lin  
Shanghai Institute of Materia Medica, Chinese Academy of Sciences, 555 Zuchongzhi Road, Shanghai 201203, and Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 345 Lingling Road, Shanghai 200032, China.  
[xumh@mail.sioc.ac.cn](mailto:xumh@mail.sioc.ac.cn)
- PC-10 Enantioselective Total Syntheses of Marine Natural Products Awajanomycin and Ypaoamide**  
Jie Chen, Rui Fu, Pei-Qiang Huang  
Department of Chemistry and Key Laboratory for Chemical Biology of Fujian Province, College of Chemistry and Chemical Engineering, Xiamen University, Xiamen 361005, China.  
[pghuang@xmu.edu.cn](mailto:pghuang@xmu.edu.cn)
- PC-11 New Method for Stereo- and Regioselective Synthesis of The 4-Halogeno (Cl-, Br-)-Pregn-4-en-16 $\alpha$ -ol-17 $\alpha$ -fluo-3-on-20-yne, New Ethynylsteroidal Substance Class**  
Luu Duc Huy  
Laboratory of Steroids & Alkaloids, Institute of Chemistry, Vietnamese Academy of Science and Technology, 18 Hoang Quoc Viet, Hanoi, Vietnam.  
[ldhuy@netnam.vn](mailto:ldhuy@netnam.vn)
- PC-12 New Synthetic Applications of *o*-Iodoxybenzoic Acid (IBX) in Organic Synthesis**  
Chutima Kuhakarn, Supanimit Chiampanichayakul, Waraporn Panchan, Manat Pohmakotr, Vichai Reutrakul, Thaworn Jaipetch  
Department of Chemistry and Center for Innovation in Chemistry, Faculty of Science, Mahidol University, Rama VI Road, Bangkok 10400, Thailand.  
[scckk@mahidol.ac.th](mailto:scckk@mahidol.ac.th)
- PC-13 Progress in the Synthesis and Cytotoxicity of Tylophora Alkaloids**  
Wannaporn Disadee, Somsak Ruchirawat  
Laboratory of Medicinal Chemistry, Chulabhorn Research Institute, and Program in Chemical Biology, Chulabhorn Graduate Institute, Vipavadee-Rangsit Highway, Bangkok 10210, Thailand.  
[wannapor@cri.or.th](mailto:wannapor@cri.or.th)
- PC-14 Switchable Reactivity of *b*-Keto Esters Toward Alkenes and Modulated Selective Synthesis of *O*-Heterocycles and Carbocycles by Tuning Metal Catalysts**  
So Won Youn  
Department of Chemistry, Pukyong National University, Busan 608-737, Korea.  
[sowony@pknu.ac.kr](mailto:sowony@pknu.ac.kr)
- PC-15 Synthetic Study on Solanoeclepin A**  
Hidenori Watanabe, Yusuke Nakatani, Yoshifumi Kusumoto, Tadashi Imaoka  
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](mailto:ashuten@mail.ecc.u-tokyo.ac)
- PC-16 Palladium-Catalyzed C-C Bond Formations Using Phosphine-Free Hydrazone Ligands**  
Takashi Mino, Kenji Kajiwara, Tomoko Koizumi, 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](mailto:tmino@faculty.chiba-u.jp)

- PC-17 Asymmetric Organocatalyzed Relay Cascades: Efficient Protocol for Constructing Complex Molecules Containing Multiple Stereocentres**  
Yao Wang, Peng-Fei Xu  
State Key Laboratory of Applied Organic Chemistry, College of Chemistry and Chemical Engineering, Lanzhou University, Lanzhou 730000, China.  
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- PC-18 Synthesis and Screening for Acetylcholinesterase Inhibitory Activity of Some Novel Coumarin Derivatives**  
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- PC-19 Structure and Synthesis of Flower Pigment, Anthocyanins**  
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- PC-20 Enantioselective Carbon–Carbon Bond Cleavage: Rhodium-Catalyzed Restructuring of 3-Arylcyclobutanols into 1-Indanols**  
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- PC-21 Peptide Ligation Based on an N to S Acyl Shift Reaction**  
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- PC-22 Induction of Apoptosis by Rhinacanthone Isolated from *Rhinacanthus nasutus* Roots in Human Cervical Carcinoma**  
Pongpun Siripong, Chariya Hahnvajanawong, Jantana Yahuafai, Suratsawadee Piyaviriyakul, Kwanjai Kanokmedhakul, Ngampong Kongkathip, Somsak Ruchirawat, Naoto Oku  
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- PC-23 Antimalarial and Cytotoxic Depsidones from the Fungus *Chaetomium brasiliense***  
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- PC-24 Doubly Ortho-linked Quinoxaline/Spirofluorene and *cis*-4,4'-Bis(diarylamino)stilbene/Fluorene Hybrids as Fluorescent Materials for Optoelectronic Applications**  
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- PC-25 Substituted Polydonor Phthalimides: Preparation of Lariat- and Bis-Crown Ethers**  
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- PC-26 Development of Activity-based Probes for Protein Tyrosine Phosphatases and Their Applications**  
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- PC-27 Design, Synthesis, and Biological Evaluation of 2-Phenylbenzothiazole Derivatives as Photosensitizing Agents**  
Jeh-Jeng Wang, Wan-Ping Hu, Yin-Kai Chen, Chao-Cheng Liao  
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- PC-28 Evidence for a New Precursor in the Biosynthesis of the Nine-membered Eneidyne Core of the Antitumor Antibiotics C-1027**  
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- PC-29 Development of the Novel Cross-linking Reaction to Thymine with High Selectivity**  
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- PC-30 8-OxoG-Clamp as a Specific Fluorescent Probe for 8-Oxoguanosine**  
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- PC-31 Identification of Peptide Substrate and Small Molecule Inhibitors of Testis-specific Serine/Threonine Kinase1 (TSSK1) by the Developed Assays**  
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College, Beijing, 100050, China.  
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- PC-32 Insight into Inhibitor-enzyme Interactions and Structural Basis for Improving Affinity and Potency of Novel Direct Inhibitors of the Enoyl ACP Reductase (InhA) from *Mycobacterium Tuberculosis*: Molecular Modeling and Computer-aided Molecular Design**  
Auradee Punkvang, Patchreenart Saparpakorn, Supa Hannongbua, Peter Wolschann, Heinz  
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- PC-33 Synthesis and Computational Characterization of Copper Complexes of Pyridine Derivatives with Superoxide Radical Scavenging and Antimicrobial Activities**  
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- PC-34 Novel Anion Receptors Based on the Mixed Oligopyrrolic Macrocycles**  
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- PC-35 Diels-Alder Reactions of Naphthalenes in an Aqueous Molecular Host**  
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- PC-36 A New Helix Electronic Theory for Molecular Chirality and Chiral Interactions and Its Implications in Rational Design of Enantioselective Catalysis**  
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**PC-37    Synthesis and Theoretical Study of Molecularly Imprinted Polymers for Selective Recognition of Antioxidants**

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