

2010 GCOE and 111 Program: Peking University & Hokkaido University Joint Seminar on Organometallic Chemistry and Organic Syntheses

**May 29, 2010
Beijing, China**

Organizing Committee

Professor Jianbo Wang (*Peking University*)
Professor Keiji Tanino (*Hokkaido University*)
Professor Zhenfeng Xi (*Peking University*)
Professor Norio Miyaura (*Hokkaido University*)

Secretary: Dr. Yan Zhang (*Peking University*)
Dr. Wenxiong Zhang (*Peking University*)

***Acknowledgements.** This symposium is supported by the GCOE program of Hokkaido University; Beijing National Laboratory of Molecular Sciences (BNLMS), Key Laboratory of Bioorganic Chemistry and Molecular Engineering of Ministry of Education, Natural Science Foundation of China and College of Chemistry of Peking University (111 Program).*

Location

The meeting will be held in the College of Chemistry, Peking University. Participants from Hokkaido University will stay in *Beijing Friendship Hotel* (Tel: +86-10-68498888; Fax: +86-10-68498866; <http://www.bjfriendshiphotel.com/english/>).

Transportation

From Beijing International Airport, we will arrange bus or taxi for the transportation to the *Beijing Friendship Hotel*. Subway Line No. 4 will be used for the move from Hotel to the College of Chemistry in the morning of May 29. Dr. Zhiping Li will meet you in the lobby of the hotel at 7:45 am.

Weather of Beijing

The end of May is generally considered to be good season in Beijing. The highest temperature in daytime is around 30 °C, and the lowest temperature at night is around 20 °C. There is a large temperature difference between daytime and night. The air is usually dry. You can check website: <http://english.sina.com/index.html>

Size of Poster Presentation

120 cm (high) x 90 cm (wide)

Contact Information

Prof. Jianbo Wang

Tel: +8610-6275-7248 (O); Fax: +8610-6275-1708; Mobile: 13681231867.

Email: wangjb@pku.edu.cn

PROGRAM

May 28 (Friday)

Arrival at *Beijing Friendship Hotel*. Registration and Check in.

May 29 (Saturday) Chemistry Building A 204 Conference Room

Morning Session

8:30-8:45 Opening Remarks by Prof. Liangbing Gan (甘 良兵) and Prof. Norio Miyaura (宫浦 憲夫)

Chairperson: Prof. Jianbo Wang (王 剑波) (Peking University)

8:45-9:10 Norio Miyaura (宫浦 憲夫) (Hokkaido University)
Me-BIPAM and N-Me-BIPAM for Enantioselective Arylation of Aromatic Imines and Aldehydes with Arylboronic Acids

9:10-9:35 Zhen Yang (杨 震) (Peking University)
Formal Total Synthesis of N-Methylmaysenine

9:35-10:00 Shoji HARA (原 正治) (Hokkaido University)
Stereoselective Generation of (2-Fluoroalkenyl)iodonium Ylides and their Use for Stereoselective Synthesis of Fluoroalkenes

10:00-10:15 Coffee Break

Chairperson: Prof. Tamotsu Takahashi (高橋 保) (Hokkaido University)

10:15-10:40 Zhixiang Yu (余 志祥) (Peking University)
Rh(I)-Catalyzed [(5+2)+1] Cycloaddition

10:40-11:05 Keiji Tanino (谷野 圭持) (Hokkaido University)
Asymmetric Total Synthesis of Glycinoeclepins

11:05-11:30 Xiaoyu Li (李笑宇) (Peking University)
Organic Synthesis by DNA-Programming

11:45- Lunch

Afternoon Session

13:00-14:00 Poster Presentation

- Chairperson Zhen Yang (杨 震) (Peking University)
- 14:00-14:25 Masaya Sawamura (澤村 正也) (Hokkaido University)
Phosphinated Designer Surfaces for Use in Catalytic Organic Synthesis
- 14:25-14:50 Liangbing Gan (甘 良兵) (Peking University)
Preparation of Open-Cage Fullerene Derivatives
- 14:50-15:15 Kazuki Sada (佐田 和己) (Hokkaido University)
Lipophilic Polyelectrolyte Gels as Super-Absorbent Polymers for Organic Solvents

15:15-15:30 Coffee Break

- Chairperson Masaya Sawamura (澤村 正也) (Hokkaido University)
- 15:30-15:55 Jian Pei (裴 坚) (Peking University)
Modulating the Nanostructural Morphology through Substituents: Synthesis, Photophysical Properties and Self-Assembly of Sulfur-Hetero Benzo[k]fluoranthene Derivatives
- 15:55-16:20 Tamotsu Takahashi (高桥 保) (Hokkaido University)
Zirconium Mediated Linear Coupling of Alkynes and 7-Membered Ring Formation by Carbolithiation Reaction
- 16:20-16:45 Jianbo Wang (王 剑波) (Peking University)
New Approach to Aromatic Boronates and Pd-catalyzed Coupling Reactions of Boronates with Diazo Group Related Compounds

16:45-17:00 Coffee Break

- Chairperson Zhixiang Yu (余 志祥) (Peking University)
- 17:00-17:25 Zhangjie Shi (施 章杰) (Peking University)
C-C Bond Formation Based on the Activation of C-O of Aryl/Alkenyl Carboxylates
- 17:25-17:50 Wenxiong Zhang (张 文雄) (Peking University)
Novel Carbodiimide Chemistry: C=N Double Bond Cleavage and sp^3 C-H Bond Functionalization

Closing Remarks by Prof. Keiji Tanino (谷野 圭持) and Prof. Jianbo Wang (王 剑波)

18:30- Dinner at Quanjude (全聚德) Restaurant.