



The Third Annual Workshop of the 10+10 Alliance
(第三届中美 10 + 10 合作项目研讨会)
Peking University, P.R.C. and University of California, Davis, USA
MAY 13-14, 2010
Peking University, Beijing



Thursday, May 13, 2010

Location: Chemistry Building A717

- 08:30 - 08:40 am Welcome Remark, Prof. *Jianhua Lin*, Peking Univ.
08:40 - 08:50 am Welcome Remark, Prof. *Song Gao*, CCME, Peking Univ.
08:50 - 09:00 am Opening Remark, Prof. *Gang-Yu Liu*, UC Davis

Morning

Chair, Prof. Xincheng Zhao, Peking Univ.

- 09:00 - 09:25 am Title: Recent Advances on C-O Activation
Prof. *Zhangjie Shi*, Peking Univ.
09:25 - 09:50 am Title: Main Group Elements as Transition Metals
Prof. *Phillip Power*, UC Davis
09:50 - 10:10 am **Coffee Break**

Chair, Prof. Carlito Lebrilla, UC Davis

- 10:10 - 10:35 am Title: Smart Macrocyclic Molecules: Self-adjusting and Ultrafast Self-sorting Inclusion Behaviors through Dynamic Covalent Chemistry
Prof. *Jian Pei*, Peking Univ.
10:35 - 11:05 am Title: X-ray Enabled Nanochemistry (XEN)
Prof. *Ting Guo*, UC Davis
11:05 - 11:30 am Title: Molecular Electronic Devices Based on SWNT Electrodes
Prof. *Xuefeng Guo*, Peking Univ.
11:30 am - 12:30 pm Lunch

Afternoon

Chair, Prof. Zhixiang Yu, Peking Univ

- 14:15 - 14:40 pm Title: Stimuli-sensitive molecularly imprinted hydrogel for proteins
Prof. *Meiping Zhao*, Peking Univ.
14:40 - 15:05 pm Title: Bioanalytical mass spectrometry and its impact on health and nutrition research
Prof. *Carlito Lebrilla*, UC Davis
15:05 - 15:30 pm Title: Discovering β -MonoFluorinated Porphyrins: Reaction, Mechanism and Biological Application
Prof. *Junlong Zhang*, Peking Univ.
15:30 - 15:50 pm **Coffee Break**

Chair, Prof. Gang-Yu Liu, UC Davis

- 15:50 - 16:15 pm Title: From Attoliters to Liters to Yottaliters: Biological, Enological and Geological Applications of Magnetic



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- Resonance.
Prof. *Matthew Augustine*, UC Davis
16:15 - 16:40 pm Title: Probing biochemical processes via single molecule detection.
Prof. *Xinsheng Zhao*, Peking Univ.
17:30 pm - Banquet at Zhi Li Hui Guan (直隶会馆)

Friday, May 14, 2010

Morning

Chair, Prof. Matthew Augustine, UC Davis

- 08:30 - 08:55 am Title: Cooperative Effect: Discovery and Development of Organo-di-Lithio Reagents
Prof. *Zhenfeng Xi*, Peking Univ.
08:55 - 09:20 am Title: Photoionization and photoelectron studies of transition-metal-containing molecules using single-photon and two-color laser excitation schemes
Prof. *Cheuk Ng*, UC Davis
09:20 - 09:45 am Title: Chem is try computationally and experimentally
Prof. *Zhixiang Yu*, Peking Univ.
09:45 - 10:15 am **Coffee Break**

Chair, Prof. Zhenfeng Xi, Peking Univ.

- 10:15 - 10:40 am Title: Inorganic Nanomaterials as Catalysts for Solar Energy to Fuel Conversion
Prof. *Frank Osterloh*, UC Davis
10:40 - 11:05 am Title: Novel Catalysts and Their Active Sites for Selective Oxidation of Methanol
Prof. *Haichao Liu*, Peking Univ.
11:30 am - Presentations end.
11:45 am - Lunch

Afternoon, Part I, Chair, Prof. Chunhua Yan, Peking Univ.

Location: Chemistry Building A204-206

- 14:00 pm- Xingda Scientific Lecture
Prof. *Gang-Yu Liu*, UC Davis

Afternoon, Part II, Chairs, Profs. Ting Guo (UCD) and Kai Wu (PKU)

Location: Chemistry Building A205

- 14:00 - 16:00 pm Meeting with students and lab tour (for other UCD participants)
17:30 pm - Leave for the China's National Centre for Performing Arts after dinner (US participants, "Bizet's Opera: Carmen")