

## Preface

### The Seventh Sino-US Chemistry Professors Conference: Bridging International Research Communities in Chemistry

The seventh Sino-US Chemistry Professors Conference, co-organized by Guizhou University (Professor Baoan Song as the chairman) and CAPA (The Chinese-American Chemistry & Chemical Biology Professors Association, USA; Professor Chuan He as the co-chairman) was successfully held in Huaxi, Guizhou, China on June 28–30, 2011. Over 200 professors from China and abroad participated in this conference with three parallel sessions on synthetic chemistry, natural products, synthetic materials, medicinal chemistry, and chemical biology. There were 106 oral presentations and 15 poster presentations in this conference. We are indebted to our local hosts, Professor Baoan Song, the conference secretaries Professor Song Yang and Professor Cai-Guang Yang, and the staffs and students in the Center for Research and Development for Fine Chemicals of Guizhou University, for arranging the meeting in the historic Huaxi Guesthouse and their hospitality during the conference.

In this year's conference, we were happy to see the attendance by many well-established senior faculty members as well as many young junior faculty members in China and abroad, who showed their great support to this conference that aims to bridge the international research communities. At the conference banquet Professor Lihe Zhang and the current CAPA president Wei Wang presented the 2011 CAPA Distinguished Junior Faculty Awards. The success of this conference should continue the tradition of stimulating exchange and collaboration among researchers in the fields of chemistry and chemical biology, and establishing this conference as one of the premier international meetings in chemistry.

CAPA was formed in 2001. So far over three hundred professors have joined the association (<http://capa-chem.webs.com/>). Based on their research interests, six groups have been formed. This association is non-for-profit and apolitical. The primary goal of this association is to promote networking and information exchanges among overseas Chinese academic community. Interactions and activities

will be organized at various meetings, such as the ACS national meetings and the Sino-US Chemistry Professors Conference. So far, CAPA has co-organized seven Sino-US Chemistry Professors Conferences in China including the current one. The previous six host organizations were: Tianjin University (June 13–14, 2005), Shanghai Institute of Organic Chemistry (July 8–9, 2006), Wuhan University (June 1–2, 2007), Peking University Health Sciences Center (June 12–13, 2008), Lanzhou University (June 28–30, 2009), and Zhejiang University (June 15–17, 2010).

It is our great pleasure to serve as the guest editors of this special topic of *Science China Chemistry* to publish some selected work from the seventh Sino-US Chemistry Professors Conference. We thank all the people who participated in this conference and the authors who contributed their papers to this issue. In this issue, there are 16 papers (2 reviews and 14 original research articles) in the fields of organic synthesis, bioorganic and medicinal chemistry, chemical biology and synthetic materials. Following are the two previously published special issues of *Science China Chemistry* for the Conferences: 2010, Vol. 53, No. 1, edited by Binghe Wang, Zhen Huang and Lin Pu [1]; and 2011, Vol. 54, No. 1, edited by Wei Wang, Chuan He and Lin Pu [2]. We are very grateful to Dr. Xiaowen Zhu and Professor Lemin Li at *Science China Chemistry* for their continuous support in the publication of these issues.

- 1 Wang BH, Huang Z, Pu L. Preface. The Sino-US chemistry professors conference: History and outlook. *Sci China Chem*, 2010, 53(1): 1–2
- 2 Wang W, He C, Pu L. Preface. The sixth Sino-US chemistry professors conference: A catalyst for interaction and collaboration. *Sci China Chem*, 2011, 54(1): 1–2



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November 29, 2011

**CHEN Xi** is a professor in the Department of Chemistry at the University of California-Davis. She received her B.S. in Chemistry from Xiamen University in 1994 and her Ph.D. in Biological/Organic Chemistry from Wayne State University in 2000. She worked at Neose Technologies, Inc. for two and a half years before joining the University of California-Davis as an assistant professor in the Department of Chemistry in August 2003. She was promoted to associate professor in July 2008 and full professor in July 2011. Her laboratory is exploring interdisciplinary research on glycoscience.

**SUO Zucui** is a professor in the Department of Biochemistry at The Ohio State University (OSU). He first received both his B.S. and M.S. degrees in physical chemistry from Fudan University and then obtained his Ph.D. in biological chemistry at the Pennsylvania State University in 1997. After being trained as a Jane Coffin Childs Memorial Fund Postdoctoral Fellow at Harvard Medical School for two years, he joined Eli Lilly & Company as a senior biochemist in 2000 and helped the early development of two FDA-approved anti-viral drugs. In November 2001, he moved to OSU and became a faculty member. His research interests span from transient enzyme kinetics, protein NMR, X-ray crystallography, single molecule enzymology, and drug discovery.

**HUANG Zhen** obtained B.S. and M.S. from Sichuan University and Peking University, respectively. He obtained Ph.D. from Swiss Federal Institute of Technology (ETH, Zurich) in 1994, under the supervision of Prof. Steven Benner. Then, he joined Harvard Medical School as Research Fellow, under the supervision of Prof. Jack Szostak. He was hired by Brooklyn College in 1998 and promoted to Associate Professor. In 2004, he was recruited to Georgia State University and promoted to Full Professor. He is interested in structure-and-function study of Se-derivatized DNAs and RNAs, nucleic acid/protein crystallography, RNA microchip, nucleic acid-based cancer diagnosis and drug discovery.

**PU Lin** received his B.S. in chemistry from Sichuan University in 1984. He then obtained a Doering Fellowship (CGP) for graduate study in the United States and enrolled in the Department of Chemistry at the University of California San Diego in 1985. Under the supervision of Professor Joseph M. O'Connor, he obtained his Ph.D. in 1990. From January 1991 to November 1992, he studied in Professor Henry Taube's laboratory at Stanford University as a postdoctoral fellow. From November 1992 to August 1994, he joined Professor Robert H. Grubbs' research group at California Institute of Technology to continue his postdoctoral training. In the fall of 1994, he was appointed as an assistant professor in the Department of Chemistry at North Dakota State University. He moved to University of Virginia in 1997 as an associate professor in the Department of Chemistry and became a professor of chemistry in 2003. He was appointed as the Changjiang Chair Professor at Sichuan University by the Ministry of Education, China, in 2005. He is a member of the editorial board of *Science China Chemistry*. The research projects in his laboratory focus on the design and synthesis of novel chiral molecules and macromolecules for applications in areas such as enantioselective fluorescent sensors, asymmetric catalysis, and electrical and optical materials.