

NSFC-RSC International Symposium on New Tools in Chemical Biology



北京大学化学与分子工程学院

College of Chemistry and Molecular Engineering, Peking University

Lecture Hall A204, College of Chemistry and Molecular Engineering, Peking University

6 December 2014

Time	Event	Session chair
09:00	Introduction and welcome	
Session: New tools and frontier applications		
09:30	Inhibiting the STAT3 oncogene with small molecule inhibitors Prof Patrick Gunning, <i>University of Toronto Mississauga, Canada</i>	Prof Xing Chen <i>Peking University</i>
10:00	Seeing chemistry in live cells through stimulated raman scattering microscopy Prof Yanyi Huang, <i>Peking University, China</i>	
10:30	Coffee break	
10:50	Molecular and physiological insight into functional regulation of orphan nuclear receptor Nur77 by non-physiological ligands Prof Qiao Wu, <i>Xiamen University, China</i>	
11:20	Expanding the bioorthogonal toolkit Prof Jennifer Prescher, <i>University of California, Irvine, USA</i>	
11:50	Photo and lunch	
13:00	Poster session	
Session: New tools for carbohydrate chemical biology		
14:30	Chemical glycobiology to understand cellular mechanisms and create novel modes for vaccination and therapy Prof Peter Seeberger, <i>Max Planck Institute of Colloids and Interfaces, Potsdam-Golm, Germany</i>	Prof Peng Chen <i>Peking University</i>
15:00	An access to the diverse glycoconjugate natural products with the gold(i)-catalyzed glycosylation with glycosyl ortho-alkynylbenzoates as donors Prof Biao Yu, <i>Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, China</i>	
15:30	Coffee break	
15:50	Sugars & proteins: Towards a synthetic biology Prof Ben Davis, <i>University of Oxford, UK</i>	
16:20	Cell-selective and tissue-specific metabolic glycan labeling Prof Xing Chen, <i>Peking University, China</i>	
16:50	Close	

NSFC-RSC International Symposium on New Tools in Chemical Biology



北京大学化学与分子工程学院

College of Chemistry and Molecular Engineering, Peking University

Lecture Hall A204, College of Chemistry and Molecular Engineering, Peking University

7 December 2014

Time	Event	Session chair
Session: New tools for nucleic acid chemical biology		
09:30	DNA Bases beyond Watson and Crick Prof Thomas Carell, <i>Ludwig Maximilians University of Munich, Germany</i>	Prof Jing Zhao <i>Nanjing University</i>
10:00	Chemical biology of nucleic acids Prof Xiang Zhou, <i>Wuhan University, China</i>	
10:30	Coffee break	
10:50	Molecular mechanism of H/ACA RNP-guided pseudouridylation Prof Xinsheng Zhao, <i>Peking University, China</i>	
11:20	Molecular DNA devices in living systems Prof Yamuna Krishnan, <i>University of Chicago, USA</i>	
11:50	Lunch	
Session: New tools for protein chemical biology		
13:30	Flash presentations (8-10 talks, 5 minutes each)	Prof Xinsheng Zhao <i>Peking University</i>
14:30	FITGE-based target identification for the connection of rational drug discovery with phenotypic screening Prof Seung Bum Park, <i>Seoul National University, Korea</i>	Prof Patrick Steel <i>Durham University</i>
15:00	Studies on the use of chemically synthesized proteins as tool molecules Prof Lei Liu, <i>Tsinghua University, China</i>	
15:30	Coffee break	
15:50	A genetically encoded high-throughput screening platform for the identification of cyclic peptide inhibitors of protein-protein interactions Prof Ali Tavassoli, <i>University of Southampton, UK</i>	
16:20	Bioorthogonal protein activation in living cells (Presentation of Chemical Society Reviews Emerging Investigators Award Lecture) Prof Peng Chen, <i>Peking University, China</i>	
17:00	Poster prizes and close	