

## **Bayer HealthCare - Bayer CropScience & Tsinghua University**

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**May 28, 2013**

## **Bayer-Tsinghua Joint Symposium on Drug Discovery & Plant Science Biotechnology**

Joint Research Center for Innovative Drug Discovery

**Tsinghua University, Beijing, China**  
**Medical School Building, Room B323**

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## AGENDA

TIME	SPEAKER	TITLE
9:30	Prof. Yigong Shi	Welcome address -Tsinghua University
9:45	Prof. Hanno Wild	Welcome address - Bayer HealthCare
10:00	Dr. Philippe Herve	Welcome address - Bayer CropScience
10:15	Prof. Eckhard Ottow	Bayer endowed Chair announcement
10:30	Prof. Ye-Guang Chen	Modulation of TGFbeta signaling by endocytosis and beyond
11.15	Prof. Stefan Jaroch	Antibody-Drug Conjugates
12:00	Bayer Investigator Award Ceremony	
12:30	Group picture	
12:40	Dr. Jennifer Hu	Closing Remarks
13:00	Lunch	

## 2013 Speaker Introduction



### **Prof. Dr. Yigong Shi**

**Tsinghua University; Dean of School of Life Sciences, Senior Vice Dean of School of Medicine**

In 1995, Yigong Shi received his PhD degree at Johns Hopkins University School of Medicine in the United States. He taught in the Department of Molecular Biology, Princeton University, and was the fastest promoted and youngest professor in this department from 1998 to 2008. He was the Warner-Lambert/Parke-Davis Professor in the department of Molecular Biology at Princeton University. So far, he has published about 127 academic papers and review articles in international academic journals, which have been cited more than 14000 times. He has published, as corresponding author, 34 academic papers in Nature, Science, Cell. Yigong Shi was awarded the Irving Sigal Young Investigator Award by the Protein Society in 2003 for his distinguished work in the field of apoptosis, becoming the first Chinese scholar to receive this honor in 23 years. In 2009, he was elected a Fellow of the American Association for Advancement of Sciences (AAAS). In 2010, he was awarded the Sackler Prize in Biophysics, Qiu Shi Outstanding Scientist Award and the Tan Jiazhen Achievement of Life Sciences Award. In 2011, he was awarded the Woo Ray Achievement of Life Sciences Award. In 2013, York university awarded him an honorary doctorate. In 2008, Yigong Shi returned to his alma mater, Tsinghua University, to teach, and was one of the first to be selected to join the Recruitment Program of Global Experts. His Tsinghua research group has grown rapidly into one of the most influential laboratories dedicated to structural biology. He is professor and Dean of School of Life Sciences, Senior Vice Dean of School of Medicine and Vice Director of Department of Biomedicine, Tsinghua University. Yigong Shi is a Member [Foreign Associate] of the US National Academy of Sciences, a Member [Foreign Associate] of the American Academy of Arts and Sciences, and a Cheung Kong Scholar, NSFC Outstanding Young Scientist.



### **Prof. Dr. Hanno Wild**

**Bayer HealthCare; Senior Vice President, Global Drug Discovery, Head of Global Candidate Generation and Exploration**

Prof. Dr. Hanno Wild is the Senior Vice President and Head of Global Candidate Generation&Exploration, Global Drug Discovery (GDD) at Bayer Healthcare (BHC). He is responsible for all research activities with respect to generation and optimization of new chemical entities (NCEs) up to preclinical development at all BHC research sites. Before the Schering integration in 2007, Prof. Wild was the Senior Vice President Discovery Europe, heading all BHC Pharma research activities at the German research site in Wuppertal. From 2002-2006 he was the Vice President and Head of Medicinal Chemistry in Wuppertal, where he also held various positions of increasing responsibilities. From 1994-1996 he was delegated to the Bayer Pharma Research Center in West Haven, Connecticut, US, where he started the first generation of projects at BHC in the oncology field, including the project that led to the marketed product Nexavar®. In 2008, Prof. Wild was appointed honorary professor at the Rheinische Friedrich-Wilhelms-Universität, Bonn.

**Prof. Dr. Eckhard Ottow****Bayer Healthcare; Vice President, Global Drug Discovery, Head of Global External Innovation & Alliances**

Prof. Dr. Eckhard Ottow is currently Vice President and Head of Global External Innovation & Alliances at Global Drug Discovery of Bayer HealthCare. He is responsible for sourcing, development and execution of external innovations for GDD. Before assuming his current position in October 2012, Dr. Ottow served as Head of Medicinal Chemistry Berlin for more than 10 years. He received his Ph.D. degree in chemistry from

Hanover University, Germany, in 1982 and conducted thereafter postdoctoral research at the University of Berkeley, California. In 1983 he started out his scientific industrial career in working on steroidal projects in the Gynecology Therapy area of Schering AG. Today he overlooks more than 28 years of pharmaceutical industry experience. He was involved in major collaborations with Novartis, Novo Nordisk and Vertex in the CNS and oncology area. Dr. Ottow was appointed honorary professor at the Technical University Berlin in 2002 and teaches currently at the Free and Technical University in Berlin.

**Dr. Jennifer Hu****Bayer HealthCare; Vice President, Global Drug Discovery, Head of Innovation Center China**

Dr. Jing-Shan (Jennifer) Hu joined Bayer HealthCare in Oct 2011 as Head of Global Drug Discovery Innovation Center China, responsible for building partnerships on innovation with academia, biotech/CRO companies in China. She was previously Director of Licensing and External Research at Merck & Co (MSD) before working at Roche Palo Alto as Head

of Functional Biology. She was a biologist by training and has worked for US biotech and multi-national pharma companies for 20 years in R&D, partnership, and licensing.

**Prof. Dr. Stefan Jaroch****Bayer Healthcare; Global Drug Discovery, Head of External Innovation Technologies**

Dr. Stefan Jaroch studied chemistry at the University of Bonn and obtained his PhD from the Ludwig Maximilians-Universität, Munich, in 1993. After a postdoc at the University of California, Irvine, he joined Schering AG and worked as medicinal chemist from 1995-2000 in Berlin and from 2000-2001 at the US subsidiary Berlex Biosciences in Richmond, CA. From 2001-2007, he was director in the medicinal chemistry department in Berlin, and

from 2007-2010 in the medicinal chemistry department of Bayer Schering Pharma in Wuppertal. In his 15 years of pharma research experience his main interests were in the areas of anti-inflammation and oncology research. He holds an honorary professorship at the chemistry department of the Philipps-Universität Marburg since 2008. Since 2010, he focuses on collaborations with partners from academia, research institutes, pharma, biotech, and CROs. As Head of External Innovation Technologies he is responsible for partnering activities referring to early drug discovery assets, technologies, and services, also including open innovation approaches.



### **Dr. Philippe Herve**

#### **Bayer CropSciences; Head of R&D Alliance Management**

Dr. Philippe Herve is Head of R&D Alliance Management at Bayer CropScience, in charge of managing partnerships worldwide across the range of expertise in agriculture. Prior to that role, he has been in charge of Product Research for Rice and Head of Emerging Research and Trait Research APAC region for Bayer CropScience for the last 3 years. Philippe Herve received his Ph.D. in biotechnology in Toulouse, France, with expertise in both chemistry and plant biology. He has more than 15 years

of experience in Ag-industry, working across early stage company, international research organizations and multi-national companies in Europe, Asia and USA and has been in charge of international projects and establishing partnerships across a range of projects.



### **Prof. Dr. Ye-Guang Chen**

#### **Tsinghua University; Bayer endowed Chair**

Dr. Ye-Guang Chen was awarded PhD by Albert Einstein College of Medicine in 1996. After the postdoc training at Memorial Sloan-Kettering Cancer Center, he was recruited to University of California, Riverside as an Assistant Professor in 2000. He moved to Tsinghua University as a professor in 2002. His research interest has been focused on the molecular mechanisms of cell signaling, especially TGF-beta signaling and Wnt signaling. His findings have important implications on stem cell self-renewal, angiogenesis, tissue fibrosis

and tumorigenesis. He has published more than 100 papers in scientific journals, including Science, Nature Cell Biology, Cell Stem Cell, Molecular Cell and others. He is well recognized by the field and is a vice president of the Chinese Society for Cell Biology. He has served on the editorial boards of several reputed journals, such as JBC, Cell Research, Biochemical Journal. He has been honored with the National Science Foundation for Outstanding Young Scientist of China, Cheung Kong Scholarship and the Ho Leung Ho Lee Foundation Prize for Scientific and Technological Progress.



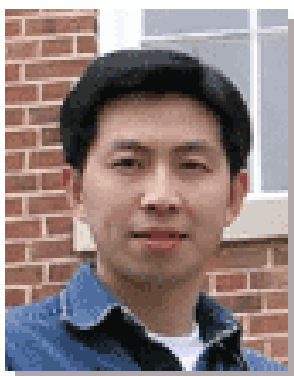
## 2013 Bayer HealthCare Investigator Awardee Introduction



### **Prof. Dr. Dong Wang**

#### **Tsinghua University; School of Medicine**

Dong Wang received his Ph.D. degree in Biology from Tsinghua University (Beijing, China) in 2003, then continued his scientific study at University of California, San Diego (U.S.) as a postdoctoral researcher in 2004, and was promoted to Assistant Project Scientist in 2009. In August of 2012, he went back to Tsinghua University as a tenure-track associate professor and started his own laboratory. His laboratory is studying the mechanism underlying regulated gene expression and transcriptional re-programming in cancer cells during tumorigenesis by utilizing combined genomic, epigenomic and chemical genomic approaches. They are also interested in identifying anti-cancer compounds by a new platform named HST2, which coupled high throughput small molecule screening with the next-generation high throughput sequencing technology.



### **Prof. Dr. Yu Rao**

#### **Tsinghua University; School of Medicine**

Professor Yu Rao received his BA degree in 1999 from Shandong Medical University. He obtained the Ph.D. degree from University of Georgia by working on the synthesis of biologically important complex oligosaccharides under the supervision of Prof. Geert-Jan Boons (2007). He then carried out post-doctoral research work at Sloan-kettering Cancer Center under the supervision of Prof. Sameul J. Danishefsky (2007-2010), focusing on the synthesis of bioactive natural products. He joined Tsinghua University in 2010. Prof. Rao's research interest is heterocycle chemistry and medicinal chemistry.



### **Prof. Dr. Zhijie Chang**

#### **Tsinghua University; School of Medicine**

Dr. Chang received his Ph. D. in animal genetics and breeding in the Northwestern Agricultural University, China in 1989 and did a postdoctoral research and fellowship during 1995-1998 in the School of Medicine, St. Louis University, Medical Center, Washington University at St. Louis, and Department of Pathology at University of Alabama at Birmingham, USA. He came to join Tsinghua University in 1998. His research interests are the signal transduction related to human diseases. Specific research projects are including regulation of the critical proteins in the signal transductions by ubiquitination, modification of STAT3, the roles of TGF-beta, Wnt and FGF signaling in the cell proliferation and differentiation, the gene regulation of metastasis, and the role of IL-17 in the inflammation. Recently he identified a novel gene named CREPT and found that CREPT is highly expressed in tumors to regulate oncogene expression at the transcriptional level. His work has been published on Cancer Cell and several highly impacted journals.



**Prof. Dr. Yiguo Wang**

**Tsinghua University; School of Life Sciences**

In 2007, Yiguo Wang received his PhD degree at Shanghai Institute of Biochemistry and Cell Biology, Chinese Academy of Sciences. During 2007-2012, he did postdoc training mentored by Dr. Marc Montminy at Salk Institute for Biological Studies, USA. Now, he is a Principal Investigator at School of Life Sciences, Tsinghua University and Tsinghua-Peking Joint Center for Life Sciences. Yiguo Wang is also a Youth One-Thousand-Talents Scheme Scholar.



**Prof. Dr. Hai Qi**

**Tsinghua University; School of Medicine**

Dr. Qi is currently Professor in Immunology at the School of Medicine, Tsinghua University. He was a Bayer Investigator in 2010. Since joining Tsinghua in 2009, he has focused his work on studying germinal center biology and the regulation of humoral immunity and has made important progress, as exemplified by a recent paper in Nature, which is in part supported by Bayer funding.



**Prof. Dr. Junbiao Dai**

**Tsinghua University; School of Life Sciences**

Junbiao Dai received his bachelor degree from Nanjing University in 1993. He received his master degree in 2000 from Tsinghua University and his PhD degree in 2006 from Iowa State University. After receiving his PhD, he was a post-doctoral fellow at the Johns Hopkins University School of Medicine. In 2011, he joined the faculty in School of Life Sciences at Tsinghua University. So far, he has published more than a dozen of papers in international academic journals including Cell, Nature, Molecular Cell, PNAS etc. In 2006, Junbiao Dai was awarded the Research Excellent Award from Iowa State University. In 2011, he was awarded the Albert Lehninger Research Award from Johns Hopkins University, School of Medicine and the Youth "Thousand Talents" program in China.

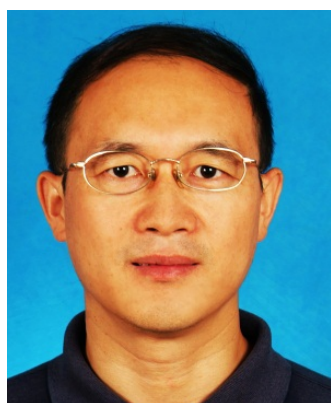
## 2013 Bayer CropScience Investigator Awardee Introduction



### Prof. Dr. Dong Liu

#### **Tsinghua University; School of Life Sciences**

Dong Liu received his Ph.D. degree at Purdue University in 1994 and did his postdoctor training at UC San Diego. After that, he worked at Dow AgroSciences company as a senior research scientist for six years. At Dow, he worked on crop biotechnology and received a Recognition Award for Scientific Excellence. In 2005, Dong assumed a position of full-professor in School of Life Sciences of Tsinghua University. Since then, he has been working on signaling mechanism of plant responses to phosphate starvation and made several important discoveries in this field.



### Prof. Dr. Yule Liu

#### **Tsinghua University; School of Life Sciences**

Yule Liu got his BS in 1988 from Nankai University. He got his MS in 1992 and Ph. D in 1997, both from the Institute of Microbiology, Chinese Academy of Sciences. He became a Principal Investigator in 1993 and was promoted to full Professor in 1998 at the Institute of Microbiology, Chinese Academy of Sciences. He had gotten his postdoctoral training at Yale University from 1999 to 2006. At the end of 2006, he came back to China to re-build his own lab. He is currently Professor of Plant Biology at Tsinghua University, Outstanding Young Talent of National Science Foundation for China and Chief Scientist for the National Basic Research Program (973 Project) of China.