



# BioEco 2011

## 2011 国际生物经济大会

June 26 – 28, 2011, Tianjin, China

### 会议通知 Announcement

#### 主办单位

中华人民共和国科学技术部  
天津市人民政府  
中华人民共和国教育部  
中华人民共和国环境保护部  
中华人民共和国农业部  
中华人民共和国卫生部  
国家质量监督检验检疫总局  
国家林业局  
中华人民共和国国家知识产权局  
中国科学院  
国家自然科学基金委员会  
中华人民共和国国家外国专家局  
国家食品药品监督管理局  
中华人民共和国国家中医药管理局  
中国人民解放军总后勤部卫生部  
中国科学技术协会  
联合国教科文组织  
联合国粮农组织  
联合国工业发展组织  
经济合作与发展组织  
欧洲联盟

#### Sponsors

Ministry of Science and Technology, P. R. China  
Tianjin Municipal People's Government  
Ministry of Education, P. R. China  
Ministry of Environmental Protection, P. R. China  
Ministry of Agriculture, P. R. China  
Ministry of Health, P. R. China  
General Administration of Quality Supervision, Inspection and Quarantine, P. R. China  
State Forestry Administration, P. R. China  
State Intellectual Property Office, P. R. China  
Chinese Academy of Sciences  
National Natural Science Foundation of China  
State Administration of Foreign Experts Affairs, P. R. China  
State Food and Drug Administration, P. R. China  
State Administration of Traditional Chinese Medicine, P. R. China  
Health Department of General Logistics Department, CPLA  
China Association for Science and Technology  
United Nations Educational, Scientific and Cultural Organization  
Food and Agriculture Organization of the United Nations  
United Nations Industrial Development Organization  
Organization for Economic Co-operation and Development  
European Union

#### 承办单位

中国生物技术发展中心  
天津市科学技术委员会  
天津市滨海新区人民政府  
天津经济技术开发区管理委员会

#### Organized by

China National Center for Biotechnology Development  
Tianjin Municipal Science and Technology Commission  
Tianjin Binhai New Area People's Government  
Administrative Commission of Tianjin Economic-Technological  
Development Area

# BioEco 2011

**Develop Bioeconomy, Improve People's Livelihood**

**June 26 – 28, 2011, Tianjin, China**

## **Sponsors**

Ministry of Science and Technology, P. R. China

Tianjin Municipal People's Government

## **Co-Sponsors**

Ministry of Education, P. R. China

Ministry of Environmental Protection, P. R. China

Ministry of Agriculture, P. R. China

Ministry of Health, P. R. China

General Administration of Quality Supervision, Inspection and Quarantine, P. R. China

State Forestry Administration, P. R. China

State Intellectual Property Office, P. R. China

Chinese Academy of Sciences

National Natural Science Foundation of China

State Administration of Foreign Experts Affairs, P. R. China

State Food and Drug Administration, P. R. China

State Administration of Traditional Chinese Medicine, P. R. China

Health Department of General Logistics Department, CPLA

China Association for Science and Technology

United Nations Educational, Scientific and Cultural Organization

Food and Agriculture Organization of the United Nations

United Nations Industrial Development Organization

Organization for Economic Co-operation and Development

European Union

## **Organized by**

China National Center for Biotechnology Development

Tianjin Municipal Science and Technology Commission

Tianjin Binhai New Area People's Government

Administrative Commission of Tianjin Economic-Technological Development Area

## Organizations

### Chairs

|               |   |
|---------------|---|
| WAN Gang      | Vice Chairman of the 11 <sup>th</sup> CPPCC National Committee<br>Minister of the Ministry of Science and Technology, P. R. China |
| HUANG Xingguo | Mayor, Tianjin Municipal People's Government  |

## Organizing Committee

### Chairs

|               |   |
|---------------|---|
| WANG Weizhong | Vice- Minister, Ministry of Science and Technology, P. R. China |
| WANG Zhiping  | Vice-Mayor, Tianjin Municipal People's Government               |

### Vice Chairs

|               |   |
|---------------|---|
| DU Zhanyuan   | Vice-Minister, Ministry of Education, P. R. China   |
| WU Xiaoqing   | Vice-Minister, Ministry of Environmental Protection, P. R. China  |
| ZHANG Taolin  | Vice-Minister, Ministry of Agriculture, P. R. China   |
| LIU Qian      | Vice-Minister, Ministry of Health, P. R. China  |
| SUN Dawei     | Vice-Minister, General Administration of Quality Supervision,<br>Inspection and Quarantine, P. R. China |
| SUN Zhagen    | Vice- Minister, State Forestry Administration, P. R. China  |
| YANG Tiejun   | Vice-Commissioner, State Intellectual Property Office, P. R. China                                      |
| LI Jiayang    | Vice-president, Chinese Academy of Sciences   |
| SHEN Yan      | Vice President, National Natural Science Foundation of China  |
| LU Ming       | Deputy Director General, State Administration of Foreign Experts<br>Affairs, P. R. China                |
| WU Zhen       | Deputy Commissioner, State Food and Drug Administration, P. R. China                                    |
| LI Daning     | Vice Commissioner, State Administration of Traditional Chinese<br>Medicine, P. R. China                 |
| WANG Yumin    | Vice-Minister, Health Department of General Logistics<br>Department, CPLA                               |
| FENG Changgen | Vice President, China Association for Science and Technology  |

### Members

|          |  |
|----------|--|
| LOU Jing | Deputy Director General, Department of Science and Technology,<br>Ministry of Education, P. R. China |
|----------|--|

|               |   |
|---------------|---|
| LIU Zhiquan   | Deputy Director General, Department of Science, Technology and Standards, Ministry of Environmental Protection, P. R. China                   |
| SHI Yanquan   | Deputy Director General, Department of Science, Technology and Education, Ministry of Agriculture, P. R. China                                |
| HE Wei        | Director General, Department of Science, Technology and Education, Ministry of Health, P. R. China  |
| WU Jinsheng   | Director General, Department of Science and Technology, General Administration of Quality Supervision, Inspection and Quarantine, P. R. China |
| PENG Youdong  | Director General, Department of Science and Technology, State Forestry Administration, P. R. China  |
| ZHANG Qingkui | Director, Medicine and Biology Invention Censor Department, State Intellectual Property Office, P. R. China                                   |
| ZHANG Zhibin  | Director General, Bureau of Life Science and Biotechnology, Chinese Academy of Sciences   |
| DU Shengming  | Executive Deputy Director, Department of Life Sciences, National Natural Science Foundation of China  |
| WU Yunru      | Director General, Department of Economic and Technological Experts, State Administration of Foreign Experts Affairs, P. R. China              |
| ZHANG Wei     | Director General, Department of Drug Registration, State Food and Drug Administration, P. R. China  |
| SU Gangqiang  | Director General, Department of Science and Technology, State Administration of Traditional Chinese Medicine, P. R. China                     |
| ZHOU Xianzhi  | Director General, Health Department of General Logistics Department, CPLA   |
| LIU Xingping  | Deputy Director General, Department of Learned Societies Affairs, China Association for Science and Technology                                |

## Scientific Board

### Chairs

|                |  |
|----------------|--|
| SANG Guowei    | Academician, Vice Chairman of the 11 <sup>th</sup> National People's Congress Standing Committee |
| Luc MONTAGNIER | 2008 Nobel Laureate in Physiology or Medicine, Chairman of World Foundation for AIDS Research    |



## Vice Chairs

|                    |   |
|--------------------|---|
| DENG Tianzuo       | Deputy Director-General, Department of Facilities and Financial Support, Ministry of Science and Technology, P. R. China  |
| HE Wei             | Director General, Department of Science, Technology and Education, Ministry of Health, P. R. China  |
| YANG Shengli       | Academician, Shanghai Institutes for Biological Sciences, CAS   |
| Hank Nordhoff      | Chairman, Gen-Probe, Partner, Shipston China Healthcare Fund  |
| RAO Zihe           | Academician, Vice Chairman, 12 <sup>th</sup> Tianjin Municipal Committee of CPPCC   |
| Raymond C. Stevens | Professor, The Scripps Research Institute, La Jolla, California, USA  |
| LI Ning            | Academician, China Agriculture University   |
| Laible Goetz       | Professor, AgResearch, New Zealand  |
| CHEN Zhinan        | Academician, The Fourth Military Medical University   |
| JIANG Frank        | MD, PhD, VP and Head of Asia Pacific R&D, Sanofi-Aventis  |
| DING Jian          | Academician, Shanghai Institute of Materia Medica, CAS, General Director  |
| LI En              | PhD, General Manager, China Novartis Institutes for BioMedical Research Co., Ltd.   |
| ZHANG Boli         | Academician, President, Tianjin University of Traditional Chinese Medicine  |
| WU Yiling          | Academician, Chairman, Shijiazhuang Yiling Pharmaceutical Co., Ltd.   |
| ZHAO Zhongzhen     | Professor, HongKong Baptist University  |
| YU Mengsun         | Academician, Institute of Aviation Medicine   |
| Robert Sclabassi   | Computational Diagnostics, Incorporated, CEO  |
| OUYANG Pingkai     | Academician, President, Nanjing University of Technology  |
| Ho Nam Chang       | Professor, Korean Advanced Institute of Science and Technology, South Korea   |
| JIANG Zehui        | Vice Chairman, Committee of Population, Resources and Environment of the National Committee of the CPPCC; Co-Chair, International Network for Bamboo and Rattan; President of Chinese Society of Forestry; Academician of International Academy of Forestry |
| Coosje Hoogendoorn | PhD, Director General, International Network for Bamboo and Rattan  |

## Secretariat

### Secretary General

|              |  |
|--------------|--|
| MA Yanhe     | Director General, Department of Social Development Science and Technology, Ministry of Science and Technology, P. R. China |
| ZHAO Haishan | Director General, Tianjin Municipal Science and Technology Commission  |
| HUANG Jing   | Director General, China National Center for Biotechnology Development  |

ZONG Guoying Governor, Tianjin Binhai New Area People's Government  
 HE Shushan Chairman, Administrative Commission of Tianjin Economic-Technological Development Area (TEDA)

### Deputy Secretary General

YANG Zhe Deputy Director General, Department of Social Development Science and Technology, Ministry of Science and Technology, P. R. China  
 HU Xiaojun Deputy Director General, Administrative Office, Ministry of Science and Technology, P. R. China  
 CHEN Linhao Deputy Director General, Department of International Cooperation, Ministry of Science and Technology, P. R. China  
 DENG Tianzuo Deputy Director General, Department of Facilities and Financial Support, Ministry of Science and Technology, P. R. China  
 GUO Zhiwei Deputy Director General, Department of Rural Science and Technology, Ministry of Science and Technology, P. R. China  
 MA Hongjian Deputy Director General, China National Center for Biotechnology Development  
 JIA Feng Deputy Director General, China National Center for Biotechnology Development  
 AN Daochang Deputy Director General, China National Center for Biotechnology Development  
 LI Baochun Deputy Director General, Tianjin Municipal Science and Technology Commission  
 GUO Jingping Deputy Governor, Tianjin Binhai New Area People's Government  
 AI Yamin Vice Chairman, Administrative Commission of Tianjin Economic-Technological Development Area (TEDA)

### Agenda

| Date             | Morning                       | Afternoon                        |
|------------------|-------------------------------|----------------------------------|
| Sunday, June 26  |                               | Opening Ceremony, Keynote Speech |
| Monday, June 27  | Academic Sessions, Exhibition | Academic Sessions, Exhibition    |
| Tuesday, June 28 | Exhibition                    |                                  |

### Keynote Speakers

SANG Guowei Academician, Vice Chairman of the 11<sup>th</sup> National People's Congress Standing Committee  
 Luc MONTAGNIER 2008 Nobel Laureate in Physiology or Medicine, Chairman of World Foundation for AIDS Research  
 WANG Xiaodong PhD, Director and Investigator, NIBS, Beijing, China  
 Member of the National Academy of Sciences, USA

## Session Topics and Speakers

### *Session 1 Biotechnology Industry and Finance of Science and Technology*

**Topics:** Exchanging the status and prospect of biotechnology industry, discussing views on investment opportunities and strategies of biotechnology industry, and proposing the investment and finance policy to promote the development of biotechnology industry.

**Co-Chairs:**

|                                       |   |
|---------------------------------------|---|
| DENG Tianzuo, Deputy Director-General | Department of Facilities and Financial Support,<br>Ministry of Science and Technology |
| HE Wei, Director General              | Department of Science, Technology and Education,<br>Ministry of Health                |
| YANG Shengli, Academician             | Shanghai Institutes for Biological Sciences, CAS                                      |
| Hank Nordhoff, Chairman               | Gen-Probe, Partner, Shipston China Healthcare Fund                                    |

**Time:** June 27, 2011, 9:00 AM-5:30 PM

**Venue:** Meeting Room N220, 2F, Meijiang Convention and Exhibition Center (MJCEC)

**Speakers and Titles:**

Speaker: HE Wei, Director General Department of Science, Technology and Education, Ministry of Health  
Title: TBD

Speaker: ZHANG Qingkui, Director Medicine and Biology Invention Censor Department,  
State Intellectual Property Office, P. R.China

Title: Introduction to Intellectual Property Strategy and Investment and financing in Bioindustry

Speaker: MA Hongjian, Deputy Director General China National Center for Biotechnology Development  
Title: The Strategy and Prospect of the 12<sup>th</sup> five year for Biotechnology Development in China

Speaker: LIU Yong, Division Director Business Development Bureau, China Development Bank  
Title: Supporting Bioindustry with Open Finance

Speaker: WANG Changlin, Director Institute of Industrial and Technological Economics Research,  
Academy of Macroeconomic Research (AMR), National Development and Reform Commission

Title: Understanding of China Bioindustry Policy

Speaker: JIANG Feng, President China Innovation Strategic Alliance of Medical Devices  
Title: Financing Demand and Solutions in Bioindustry Development

Speaker: SHEN Xinliang, Vice President China National Biotec Group  
Title: Growth Enterprise Markets promote Bioindustry Development

Speaker: ZHANG Shiyuan, Chief Researcher Development Center of Southwest Securities  
Title: Transformation Promotes Bioindustry Development

Speaker: Hank Nordhoff Chairman of Gen-Probe, Partner, Shipston China Healthcare Fund  
Title: Diagnostics and investment

Speaker: Duan Roth CEO, CONNECT

Title: Distributed Partnering

Speaker: Dr. Yisong Chen CEO & President of Pallas Global Capital LLC

Title: Investment Trend in Bioindustry and Some Ideas on Financing and Policy

Speaker: Ting Pau Oei Partner, L Capital Partners

Title: The Role of Venture Capital in Financing Biotechnology

Speaker: John Reed President, Sanford-Burnham Medical Research Institute

Title: TBD

## ***Session 2 Frontier of Biotechnology***

**Topics:** Stem Cell, Genomics, proteomics, immunology, structure biology, involved in basic and advanced situation and trends relating to BT development.

### **Co-Chairs:**

RAO Zihe, Academician Vice Chairman, 12<sup>th</sup> Tianjin Municipal Committee of CPPCC

Prof. Raymond C. Stevens The Scripps Research Institute, La Jolla, California, USA

**Time:** June 27, 2011, 9:00 AM-5:30 PM

**Venue:** N211, 2F, MJCEC

### **Speakers and Titles:**

Speaker: HE Lin, Academician/Director The Bio-X Center, Shanghai Jiao Tong University

Title: The Effects of Food and Drug on Earlier Stage Prevention from Diseases

Speaker: YANG Huanming, Academician/President Beijing Genomics Institute, Shenzhen

Title: Genomics: Beginning and Basis of Bioeconomy

Speaker: Prof. ZHANG Hong National Institute of Biological Sciences

Title: Autophagy in the pathogenesis of disease

Speaker: Prof. George F Gao, Vice-President Beijing Institutes of Life Science/Institute of Microbiology, CAS

Title: 2009 Pandemic influenza virus: what special for its HA and NA?

Speaker: Prof. ZHOU Qi Institute of Zoology, CAS

Title: Progress and potential application of Stem Cell Research and Regenerative Medicine.

Speaker: Prof. WANG Xiaoning Chinese PLA General Hospital

Title: TBD

Speaker: Prof. ZHANG Zhuohua Central South University

Title: Connexin-31 Diseases: from Gene to Treatment

Speaker: Prof. Raymond C. Stevens The Scripps Research Institute, USA

Title: New Drug Discovery Paradigms for G-protein Coupled Receptors



Speaker: Prof. Barbara HOWLETT Bio21 Institute, Australia

Title: Exploiting the genome sequence of a fungal pathogen to minimise plant disease

Speaker: Prof. Peter Colman Walter & Eliza Hall Institute, Australia

Title: Neuraminidase inhibitors for treatment and prophylaxis of influenza: discovery and characteristics

Speaker: Prof. Neil Isaacs University of Glasgow, UK

Title: Learning from Nature – Using Molecular Structures as Design Templates

Speaker: Prof. Ian Jones University of Reading, UK

Title: Next generation vaccines produced in insect cells

Speaker: Prof. Geoff Howlett Bio21 Institute, Australia

Title: Lipid Modulators of Amyloid Fibril Formation in Disease

Speaker: Prof. Robert Bob Sim University of Oxford, UK

Title: Advances in monitoring function and pharmacological control of the innate immune system

Speaker: Prof. Thomas Kay St. Vincent's Institute, Australia

Title: New Technologies to Treat Type 1 Diabetes

### *Session 3 Bioagriculture*

**Topics:** Latest breakthroughs and trends in the research of transgenic plants, genome sequencing of domestic animals and plants, functional genomics. embryo transfer, cloning technology, bio-fertilizer, bio-pesticide, Avian influenza & veterinary vaccine, veterinary bio-drug, animal hormone, new feed additive, etc.

#### **Co-Chairs:**

LI Ning, Academician China Agriculture University

Prof. Laible Goetz AgResearch, New Zealand

**Time:** June 27, 2011, 9:00 AM-5:30 PM

**Venue:** N217, 2F, MJCEC

#### **Speakers and Titles:**

Speaker: Prof. CHEN Hualan, Director Harbin Veterinary Research Institute,  
Chinese Academy of Agricultural Sciences(CAAS)

Title: Prevention and control of IAV

Speaker: Prof. LAI Liangxue, Vice Dean College of animal Science and veterinary medicine,  
Jilin University

Title: Methodological Studies for Genetic Modification of Pigs

Speaker: Prof. YU Jun, Vice President Beijing Institute of Genomics of Chinese Academy of Sciences

Title: The Personalized Era of Human Health and Disease Research

Speaker: Prof. ZHAO Yaofeng China Agriculture University

Title: Multiplication of Human Lactoferrin Transgenic Cattle and Safety Evaluation of the Resultant Milk

Speaker: Prof. ZHANG Zehua The Institute of Plant Protection

Chinese Academy of Agricultural Sciences (CAAS)

Title: Domestic and international status and challenges for the development of biological pesticides

Speaker: Prof. XING Yongzhong Huazhong Agriculture University

Title: Advances in rice functional genomics research

Speaker: Prof. LAI Jinsheng China Agriculture University

Title: Maize genome research and molecular breeding

Speaker: Dr. LV Yuping, Director Department of Biotechnology, Beijing DBN Technology Group

Title: Research and Development on agro-biotechnology of China

Speaker: Prof. Laible Goetz AgResearch, New Zealand

Title: Production of human FSH in transgenic cattle.

Speaker: Dr. Etches Robert, Chief Executive Crystal Bioscience

Title: Modifying the genome of chickens using PGCs.

Speaker: Prof. Forsberg Cecil University of Guelph, Canada

Title: A Transgenic Phytase Pig Ready for Commercialization that Provides a Stable Platform for the Addition of Other Beneficial Traits

Speaker: John McClean, Director China Research Lab, Monsanto

Title: Monsanto Biotechnology

#### ***Session 4 Biomedicine***

**Topics:** Latest breakthroughs and trends in the research of therapeutic recombinant proteins, antibodies, vaccines, biomedical materials, stem cells, tissue engineering and diagnostic reagents, ect.

#### **Co-Chairs:**

CHEN Zhinan, Academician

The Fourth Military Medical University

Dr. JIANG Frank, VP and Head of Asia Pacific R&D

Sanofi-Aventis

**Time:** June 27, 2011, 9:00 AM-5:30 PM

**Venue:** N215, 2F, MJCEC

#### **Speakers and Titles:**

Speaker: CHEN Zhinan, Academician The Fourth Military Medical University

Title: Progress of Translational Medicine & Antibody Based Biopharmaceuticals in China

Speaker: WEI Yuquan, Academician, Vice President Sichuan University

Title: Advances In Gene Therapy

Speaker: Prof. CHEN Huipeng, Director Institute of Biotechnology, Academy of Military Medical Sciences of Chinese PLA

Title: The Secondary Development of Protein Drugs

Speaker: Prof. ZHENG Qiang Peking University

Title: Lifecycle Quality Management of Biologics

Speaker: Prof. XIA Ningshao Xiamen University

Title: Current situation and trend of in vitro diagnostic

Speaker: Prof. SHI Jinhai Tianjin International Joint Academy of Biotechnology & Medicine

Title: The Safety Assessment of Monoclonal Antibody Drug

Speaker: Prof. ZOU Quanming Third Military Medical University

Title: Progress on New Vaccine

Speaker: Prof. JIN Li, Vice President Fudan University

Title: Large cohort studies in China: challenges and opportunities

Speaker: Prof. WANG Junzhi, Vice President National Institute for the Control of Pharmaceutical & Biological Products

Title: Biotechnology drugs and translational medicine

Speaker: Prof. LIANG Zicai Peking University

Title: China is ready for the RNAi race: highlights of technology development

Speaker: Prof. LIU Wei Shanghai 9<sup>th</sup> People's Hospital Affiliated to Shanghai JiaoTong University Medical School

Title: Tissue engineering reseach and potential prod

Speaker: Dr. JIANG Frank, Vice President and Head of Asia Pacific R&D Sanofi-Aventis

Title: Translational Medicine: a critical approach in speeding up new drug RD

Speaker: Dr. Bradley Marchants, Senior Director, Asia Pacific R&D Sanofi-Aventis

Title: Unique opportunities for drug development in China

Speaker: Dr. Lily Yao, Senior Research Fellow University of Birmingham, UK

Title: Economic Evaluation of a regenerative medicine in the treatment of cartilage defects of the knee

Speaker: Dr. Sijmen de Vries, CEO PHARMING Group N.V.Leiden, the Netherlands

Title: Technology platform for transgenic therapeutical proteins

### *Session 5 Chemical Drugs*

**Topics:** Latest technology and methods of drug design, synthesis, high throughput screening in chemical drug research; Latest development in pre-clinical metabolism and pharmacodynamics evaluation, safety evaluation, pharmacological mechanism and drug delivery system of chemical

drugs; global trends of development in regulations and standards of new drug application; new strategy for drug discovery.

**Co-Chairs:**

DING Jian, Academician Shanghai Institute of Materia Medica, CAS, General Director

Dr. LI En, General Manager China Novartis Institutes for BioMedical Research Co., Ltd.

**Time:** June 27, 2011, 9:00 AM-5:30 PM

**Venue:** N213, 2F, MJCEC

**Speakers and Titles:**

Speaker: Prof. LIU Changxiao, Academician Tianjin Institute of Pharmaceutical Research

Title: The role of Pharmacokinetics in translation research for research and development of new drugs

Speaker: Prof. JIANG Jiandong, General Director Institute of Materia Medica,

Chinese Academy of Medical Sciences & Peking Union Medical College

Title: New strategies to overcome drug-resistance in treating HBV infection

Speaker: Prof. JIANG Hualiang, Deputy Director Shanghai Institute of Materia Medica, CAS

Title: Drug Discovery Driven by Computation

Speaker: Prof. HAO Xiaojiang Kunming Institute of Botany, CAS

Title: Approach on the Discovery of Natural Leads from Plants

Speaker: Dr. Peng Cho TANG, Chief Scientific Consultant, Drug Discovery

HEC Pharm Co., Ltd. HEC Group

Title: INDs: US to China to US Formula for Me-better Drug Discovery in China

Speaker: Dr. ZHANG Dan, Chairman of the board Fountain Medical Development Ltd.

Title: From Bench to Bed

Speaker: Dr. WANG Ying, Vice President of Drug Safety and Regulatory Affairs Hua Medicine Ltd.

Title: Safety Assessment on Cardiovascular System During New Drug Development

Speaker: Dr. LI En, General Manager, Head of NIBR Shanghai China Novartis Institutes

for BioMedical Research Co., Ltd.

Title: Science driven drug discovery: from target to therapy

Speaker: Dr. YUE Guohua, President & CEO Antagen Pharmaceuticals, Inc.

Title: Passing or Bypassing Blood Brain Barrier

Speaker: Dr. HE Wei, President & CEO WMH Biopharma

Title: Small Molecule Drug Innovation & Development

Speaker: ZHAO Shuhai Roche R&D Center (China) Ltd, Shanghai, China

Title: De-risking the potential of cardiovascular toxicity by rational design



Speaker: Dr. LU Qiang, VP of Biology Wuxi Apptec

Title: Drug Development Platform for the Next Decade

Speaker: Dr. HE Yun, Sr. VP and CSO BioDuro/PPD

Title: Integrated Drug Discovery Services in China - Opportunities and Challenges

### ***Session 6 Traditional Chinese Medicine Development***

**Topics:** Focus on biological basis of traditional Chinese medicine (TCM) diagnosis, substantial basis and match rules of TCM, methods of quality control and evaluation of TCM products, application of modern biology methods and technology in TCM field, international standards on TCM, development of Chinese medicine industry, promote the entry of Chinese medicine products into international market, scientific innovation in international medicine field.

#### **Co-Chairs:**

ZHANG Boli, Academician/President Tianjin University of Traditional Chinese Medicine

WU Yiling, Academician/Chairman Shijiazhuang Yiling Pharmaceutical Co., Ltd.

Prof. ZHAO Zhongzhen HongKong Baptist University

**Time:** June 27, 2011, 9:00 AM-5:30 PM

**Venue:** N219, 2F, MJCEC

#### **Speakers and Titles:**

Speaker: WU Yiling, Academician/Chairman Shijiazhuang Yiling Pharmaceutical Co., Ltd.

Title: The Original Vessel-Collateral Theory and Its Guidance for New Drug Research and Development

Speaker: Prof. ZHAO Zhongzhen HongKong Baptist University

Title: Natural Resources and Cultural Heritage of Chinese Medicinal Materials

Speaker: Prof. WANG Yitao, Dean Institute of Chinese Medical Sciences, University of Macau

Title: Innovative education and State Key Laboratory Construction in Chinese Medical Sciences

Speaker: Prof. LIU Zhanglin, Vice-Chairman China Chamber of Commerce for Import & Export of Medicines & Health Products

Title: Globalization and Industry security of Traditional Chinese Medicine

Speaker: Prof. YE Zuguang, Director China Academy of Traditional Chinese Medicine

Title: Standardized Evaluation of TCM drug safety and its safe use in China

Speaker: Prof. CHEN Shilin, Director Institute of Medicinal Plant Development, China Academy of Medical Sciences

Title: Quantitative Evaluation on Ecological Suitability for Chinese Materia Medica

Speaker: Prof. HUANG Luqi, Vice President China Academy of Traditional Chinese Medicine

Title: Top-geoherbs of traditional Chinese medicine: common trait, quality characteristics and formation

Speaker: Prof. TU Pengfei Peking University

Title: Discovery of active leading compounds and new drugs based on the resources of natural medicines

Speaker: Prof. XIAO Xiaohe, Director 302 Military Hospital of China

Title: The Proposal and Practice of Integrative Quality Concept of Chinese Medicines

Speaker: Prof. LIU Tonghua Beijing University of Chinese Medicine

Title: Position and Function of Interfering Insulin-Resistance by Chinese Medicine

Speaker: Prof. SUN Zengtao, Director Second Affiliated Hospital of Tianjin University of TCM

Title: Talking about Traditional Chinese Medicine Research Ideas from the perspective of Prevention and Treatment of Chronic Respiratory Diseases

Speaker: Prof. CAI Shaoqing Peking University

Title: Thinking on the Quality Standards for Traditional Chinese Medicine

Speaker: Prof. WANG Zhimin China Academy of Chinese Medical Sciences

Title: Administration of Edible Herbal Medicines in China

Speaker: Prof. YANG Xiuwei Peking University

Title: Study strategy for compound formula of traditional Chinese medicine based on the Tongmai formula

Speaker: Prof. ZHAO Daqing Changchun University of Chinese Medicine

Title: Comparative proteomic study of wild and planted ginseng

Speaker: LIU Juyan, Chief Engineer, General Vice Manager Guangzhou Pharmaceutical holdings Limited

Title: Brand Chinese patent drug & sustainable innovation

Speaker: Prof. YE Zhengliang, General Manager Tianjin Tasly Pharmaceutical Co.,Ltd

Title: The Establishment of Risk Management System of Traditional Chinese Medicine Injections

### ***Session 7 Biomedical Engineering***

**Topics:** Focus on the fields of Biomechanics, Regenerative Medicine Engineering, Medical Neural Engineering, Internet of Things and Military Medical Engineering.

**Co-Chairs:**

YU Mengsun, Academician Institute of Aviation Medicine

Robert Sclabassi Computational Diagnostics, Incorporated, CEO

**Time:** June 27, 2011, 9:00 AM-5:30 PM

**Venue:** N216, 2F, MJCEC

**Speakers and Titles:**

Speaker: Prof. FAN Yubo Beihang University

Title: Biomechanics and Mechanobiology of Medical Implants or Intervention Devices

Speaker: LI Lanjuan, Academician First Affiliated Hospital, Zhejiang University

Title: The application of Internet of Things Advance Healthcare Informatics

Speaker: Prof. GU Hanqing Tianjin Medical University

Title: Some Important Trends on the Development of Orthopaedic Implant and Its Industrialization

Speaker: Prof. ZHANG Ming The Hong Kong Polytechnic University

Title: Education, Research and Product Development for Rehabilitation Engineering

Speaker: Prof. WANG Zhibiao Chongqing Medical University

Title: Modern Medical Model Will be profoundly Influenced by Internet

Speaker: Prof. SONG Yu, Secretary General Expert Committee of “Health Internet of Things”,

Chinese Institute of Electronics, Expert Committee of “Health Internet of Things” Project,

Chinese Society for Biomedical Engineering

Title: “Health Internet of Things” and Its Engineering Practice

Speaker: Prof. GAO Shangkai Tsinghua University

Title: Neural Engineering Provides novel solutions for Improving Life Quality

Speaker: Prof. XIAO Shaobo Beijing Institute of Technology

Title: Health-focused Internet of Things (HioT) and Human-centered eHealth (HeH)

Speaker: ZHANG Tiemei, Deputy Director Beijing Institute of Geriatrics, Ministry of Health

Title: A Service Platform of Internet of Things Constructed for Elderly Health

Speaker: WANG Xitai, Director National Research Center for Rehabilitation Technical Aids

Title: The Situation and Tendency of CHINA’S Rehabilitation Technical aids Industry

Speaker: ZHENG Quanlu, President Neusoft Medical Systems, Neusoft Bopu MRI, Philips and

Neusoft Medical Systems

Title: China National Digital Medical Industry and the International of Things Status and

Developing Strategy Discussion

Speaker: Robert Sclabassi Computational Diagnostics, Incorporated, CEO

Title: Biomedical Engineering: The Economic Engine of the 21st Century

Speaker: Prof. FANG Zuxiang Dept. of E. E, Fudan University

Title: ECG Telemonitoring System for Prevent Sudden Cardiac Death

## Session 8 Industrial Biotechnology

**Topics:** Applications of biotechnology in the R&D and industrial applications of energy, materials, chemicals and pharmaceuticals production.

### Co-Chairs:

OUYANG Pingkai, Academician/President, Nanjing University of Technology

Prof. Ho Nam Chang, Korean Advanced Institute of Science and Technology, South Korea

**Time:** June 27, 2011, 9:00 AM-5:30 PM

**Venue:** N218, 2F, MJCEC

### Speakers and Titles:

Speaker: Prof. MA Yanhe Institute of Microbiology, CAS

Title: Prospect of Industrial Bioproduction

Speaker: Prof. HUANG Ribo Guangxi Academy of Sciences

Title: Bioenergy and Bioindustry: vision on “catalytically perfect” Enzyme

Speaker: Prof. YUAN Yingjin Tianjin University

Title: Systematic Analysis Of Yeast Tolerance to Combined Inhibitors in Cellulose Hydrates

Speaker: Prof. QU Yinbo Shandong University

Title: Research Progress in Biorefinery of Lignocellulosics

Speaker: Prof. TAN Tianwei, Vice President Beijing University of Chemical Technology

Title: Biorefinery by utilizing low-value and waste biomass

Speaker: Prof. XU Jianhe East China University of Science and Technology

Title: Searching Robust Enzymes for Production of Chiral Chemicals

Speaker: Prof. XING Xinhui Tsinghua University

Title: Rapid Mutation of Genomes Using Atmospheric and Room Temperature Plasma (ARTP) and the Microbial Evolution Engineering

Speaker: Prof. YING Hanjie Nanjing University of Technology

Title: The ATP Effect and Manipulation on Physiological and Metabolic Function of Microorganism

Speaker: Prof. WAN Yinghua Institute of Process Engineering, CAS

Title: Fermentation of  $\beta$ -Poly (Malic Acid) by *Aureobasidium Pullulans* ipe-1 and Process Control Strategy

Speaker: Prof. HUANG He Nanjing University of Technology

Title: Microbial Production of 2,3-Butanediol and its Derivatives: the Role of Metabolic Engineering and Synthetic Biology



Speaker: Prof. Roger Ruan University of Minnesota, USA

Title: Mass culture of algae for biofuel production and wastewater treatment

Speaker: Prof. Shang-Tian Yang Ohio State University, USA

Title: Bioprocess and Metabolic Engineering for Production of Biobased Chemicals

Speaker: Prof. Rolf D Schmid Stuttgart University, Germany

Title: Towards a “bio-economy” – highlights of bioindustrial R&D in Germany

Speaker: Prof. Ho Nam Chang Korean Advanced Institute of Science and Technology, South Korea

Title: Biomass Conversion Platforms for Fuels and Chemicals-Volatile fatty acid platform derived from waste organics

Speaker: Prof. Tomohisa Hasunuma Department of Chemical Science and Engineering, Kobe University, Japan

Title: Development of microbial cell factories for biofuel production from biomass

Speaker: Prof. Jo-Shu Chang Cheng Kung University, Chinese Taipei

Title: Microalgae as Future Bioresources for Energy and Chemical Production

Speaker: Prof. Raja Ghosh McMaster University, Canada

Title: Purification of PEGylated Biopharmaceutical Proteins

### *Session 9 Bioresource and Biodiversity*

**Topics:** Cultivation and utilization of energy plants, economic plants, fiber plants, oil plants, aromatic plants, edible plants and microorganisms resources. Biodiversity and global climate change; biodiversity conservation, investigation and monitoring; biodiversity information management; biodiversity and ecological projects; protection and risk assessment of endangered species; biodiversity and pest control; nature reserve construction and management; wetland biodiversity conservation and management; microbial diversity and the sustainable utilization; genetic diversity and germplasm resources protection. Connotation of the green economy, green economy accounting, forest products green trade and green economic development policy.

#### **Co-Chairs:**

Prof. JIANG Zehui

Vice Chairman, Committee of Population, Resources and Environment of the National Committee of the CPPCC; Co-Chair, International Network for Bamboo and Rattan; President of Chinese Society of Forestry; Academician of International Academy of Forestry

Dr. Coosje Hoogendoorn Director General of International Network for Bamboo and Rattan

**Time:** June 27, 2011, 9:00 AM-5:30 PM

**Venue:** N209, 2F, MJCEC

## Speakers and Titles:

Speaker: Prof. JIANG Zehui Vice Chairman, Committee of Population, Resources and Environment of the National Committee of the CPPCC; Co-Chair, International Network for Bamboo and Rattan; President of Chinese Society of Forestry; Academician of International Academy of Forestry

Title: Improving the green economy theory and promoting the inclusive development

Speaker: Prof. SONG Weiming, President Beijing Forestry University

Title: Industrialization of China's Forest Biomass Energy

Speaker: Prof. YANG Chuanping, President North-east Forestry University

Title: The Choice of the Way in Developing Low-carbon Energy in National Forest Area of the Heilongjiang Province

Speaker: Prof. CAO Fuliang, President Nanjing Forestry University

Title: Potential and Advantages of Efficient utilization Ginkgo *biloba*

Speaker: Prof. DAI Guangcui, Deputy director general Forestry Economy Research Center, SFA

Title: Forest Value and Green Accounting

Speaker: Prof. LIU Shirong, Vice President Chinese Academy of Forestry

Title: Eco-system Service Function and Its Sustainable Management

Speaker: Prof. HAN Bin, Director National Center for Gene Research & Shanghai Institute of Plant Physiology and Ecology, Shanghai Institutes for Biological Sciences, CAS

Title: Genome Sequencing and Analysis of Moso bamboo

Speaker: Prof. YUE Yongde, Executive Deputy Director International Center for Bamboo and Rattan

Title: The Status and Prospects of High Value-added Utilization of Bamboo Resources

Speaker: Prof. JIANG Jianchun, Director Institute of Chemical Industry of Forest Products, Academician of International Academy of Wood Science

Title: Status on conversion technologies of biomass liquid fuels in China

Speaker: Prof. Jolanda Jonkhart International Network for Bamboo and Rattan

Title: Bamboo as a Non Timber Forest Product: Trade trends and opportunities for sustainable production

Speaker: Prof. Paavo Pelkonen Faculty of Science and Forestry at the University of Eastern Finland

Title: Biodiversity from wood biomass production

Speaker: Prof. Louis Putzel the Center for International Forestry Research (CIFOR)

Title: Forests, Globalization and Sustainability in the 21st Century

Speaker: Andrew Murphy, Deputy Director Market Transformation Initiative, WWF International

Title: Livelihoods of Forest

## Languages

English and Chinese (Simultaneous Interpretation will be provided in the Opening Ceremony.)

## Table top Exhibits information

Please take the opportunity to showcase your company with a tabletop exhibit during the BioEco 2011, June 26-28, in Tianjin, China. Exhibition at this event promises to provide your company with an excellent position at the conference, which will help increase industry awareness of your company or institution, identify and contact strategic partners to expand your network while strengthening existing relationships.

## Special Activities

### 1. The 13<sup>th</sup> China Biomedical Hitech Licensing & Partnering Conference

To organize 15 to 20 excellent organizations and biomedical cooperation projects to carry out road shows; to hold patterning meetings of biomedical projects.

Time: June 27, 2011

Venue:(Morning) 2F, N210, Tianjin Meijiang Convention and Exhibition Center

(Afternoon) 1F, N6, Tianjin Meijiang Convention and Exhibition Center

Contact:China Pharmaceutical Technology Transfer Center

Address:No.154 Gulou West Street, Xicheng District, Beijing

Tel:8610-51665863-829, 879, 868; 64011361

E-mail:forum@pharmtec.org.cn

### 2. Sino-French Pharmaceutical Symposium and Sino-French Biomedical Enterprises Business Dialogue (Tianjin)

Experts and scholars in both China and France will be invited to gather in Tianjin to carry out in-depth academic communications in the field of pharmaceutical science. The biomedical business between both countries will be strengthened through the display of new technologies and research development, innovative products and great experience and the cooperation in biomedical projects.

Time: June 26~28, 2011

Venue:(Symposium) 2F, N212 & N210, Tianjin Meijiang Convention and Exhibition Center

(Matchmaking Meeting) 1F, N6 Hall, Tianjin Meijiang Convention and Exhibition Center

Contact: Tianjin Foreign Science and Technology Exchange Center  
Address: No. 287 Side Heping Street, Heping District, Tianjin  
Tel: 8622-27121840; 8622-27121649; 8622-27126410  
E-mail: cnfrbio@gmail.com

### **3. Sino-South Korean 100 Enterprises Business Dialogue**

The organizing committee of BioEco 2011 will organize over 30 large and medium sized biomedical enterprises from South Korea and over 60 domestic enterprises to meet and discuss technology transfer and project cooperation.

Time: Afternoon, June 27, 2011

Venue: Tianjin International Joint Academy of Biotechnology & Medicine

Contact: Tianjin International Joint Academy of Biotechnology & Medicine

Address: 220 Dongting Road, TEDA, Tianjin, P. R. China

Tel: 8622-65378061 8622-65378009

E-mail: tjab2010@163.com

### **4. 2011 Biomedical Project Matchmaking Meeting for Enterprises in Tianjin Binhai New Area and the Chinese Academy of Sciences**

To carry out promotion activities for enterprises in Tianjin Binhai New Area and the Chinese Academy of Sciences regarding technologies and projects.

Time: Morning, June 26, 2011

Venue: 2F, N210, Tianjin Meijiang Convention & Exhibition Center

Contact: Tianjin Binhai New Area Science and Technology Commission

Address: Block MSD-C2, No. 79, 1st Ave., Tianjin Economic-technological Development Area (TEDA).

Tel: 8622-65305979

Mobile Phone: 13702125741

E-mail: binhaiipo@126.com

### **5. The 2<sup>nd</sup> National Pharmaceutical Forum of Deans and CEOs**

Pharmaceutical school heads of renowned universities and colleges in China, CEOs of Top 100 pharmaceutical enterprises and leaders of national special new drugs projects will be invited to discuss on the topic of "Core Technology and New Drug R&D" and exchange views on its



mechanism of cooperation and collaboration to further promote the industry-university-research cooperation, and build Tianjin into a R&D transformation base for biomedical technologies, which is an innovative base for industrial development and a business starting base for talents and boost the stride forward development of China's biomedical industry.

Time: Morning, June 27, 2011

Venue: 2F, N214, Tianjin Meijiang Convention and Exhibition Center

Contact: Tianjin International Joint Academy of Biotechnology & Medicine

Address: 220 Dongting Road, TEDA, Tianjin, P. R. China

Tel: 8622-65378061 8622-65378009

E-mail: [tjab2010@163.com](mailto:tjab2010@163.com)

## Registration

Please register online by logging on the BioEco2011 organizing committee website

[www.bioeco.net.cn](http://www.bioeco.net.cn) before June 20<sup>th</sup>, 2011.

## Contact Information

### Beijing Secretariat Contact Information:

China National Center for Biotechnology Development

Tel: +86-10-88225132

Fax: +86-10-88225200

E-mail: [bioeco@cncbd.org.cn](mailto:bioeco@cncbd.org.cn)

### Tianjin Secretariat Contact Information:

Tianjin Municipal Science and Technology Commission

Tel: +86-22-27116463

Fax: +86-22-27114808

E-mail: [tjkwsyyyc@163.com](mailto:tjkwsyyyc@163.com)

### Service Group:

Tianjin Institute of Science and Technology Information

Tel: +86-22-23519125 / 23519311

Fax: +86-22-23330582

E-mail: [bio@tjst.net](mailto:bio@tjst.net)

# 2011 国际生物经济大会

发展生物经济,促进民生改善

2011年6月26日-28日,中国,天津

## 主办单位

中华人民共和国科学技术部

天津市人民政府

## 共同主办单位

中华人民共和国教育部

国家食品药品监督管理局

中华人民共和国环境保护部

中华人民共和国国家中医药管理局

中华人民共和国农业部

中国人民解放军总后勤部卫生部

中华人民共和国卫生部

中国科学技术协会

国家质量监督检验检疫总局

联合国教科文组织

国家林业局

联合国粮农组织

中华人民共和国国家知识产权局

联合国工业发展组织

中国科学院

经济合作与发展组织

国家自然科学基金委员会

欧洲联盟

中华人民共和国国家外国专家局

## 承办单位

中国生物技术发展中心

天津市科学技术委员会

天津市滨海新区人民政府

天津经济技术开发区管理委员会

## 组织机构

### 大会主席

万 钢 政协第十一届全国委员会副主席, 中华人民共和国科学技术部部长  
黄兴国 天津市市长

### 大会组委会主席

王伟中 中华人民共和国科学技术部副部长  
王治平 天津市副市长

### 大会组委会副主席

杜占元 中华人民共和国教育部副部长  
吴晓青 中华人民共和国环境保护部副部长  
张桃林 中华人民共和国农业部副部长  
刘 谦 中华人民共和国卫生部副部长  
孙大伟 国家质量监督检验检疫总局副局长  
孙扎根 国家林业局副局长  
杨铁军 中华人民共和国国家知识产权局副局长  
李家洋 中国科学院副院长  
沈 岩 国家自然科学基金委员会副主任  
陆 明 中华人民共和国国家外国专家局副局长  
吴 浈 国家食品药品监督管理局副局长  
李大宁 中华人民共和国国家中医药管理局副局长  
王玉民 中国人民解放军总后勤部卫生部副部长  
冯长根 中国科学技术协会副主席

### 大会组委会委员

娄 晶 中华人民共和国教育部科学技术司副司长  
刘志全 中华人民共和国环境保护部科技标准司副司长  
石燕泉 中华人民共和国农业部科技教育司副司长  
何 维 中华人民共和国卫生部科技教育司司长  
武津生 国家质量监督检验检疫总局科技司司长

|     |                            |
|-----|----------------------------|
| 彭有冬 | 国家林业局科技司司长                 |
| 张清奎 | 中华人民共和国国家知识产权局专利局医药生物审查部部长 |
| 张知彬 | 中国科学院生命科学与生物技术局局长          |
| 杜生明 | 国家自然科学基金委员会生命科学部常务副主任      |
| 武云茹 | 中华人民共和国国家外国专家局经济技术专家司司长    |
| 张 伟 | 国家食品药品监督管理局药品注册司司长         |
| 苏钢强 | 中华人民共和国国家中医药管理局科技司司长       |
| 周先志 | 中国人民解放军总后勤部卫生部科技训练局局长      |
| 刘兴平 | 中国科学技术协会学会学术部副部长           |

### 学术委员会主席

|        |                                  |
|--------|----------------------------------|
| 桑国卫    | 院士,十一届全国人大常委会副委员长                |
| 吕克·蒙塔尼 | 2008年诺贝尔生理学医学奖得主,世界艾滋病研究与防治基金会主席 |

### 学术委员会副主席

|                    |                          |
|--------------------|--------------------------|
| 邓天佑                | 中华人民共和国科学技术部科研条件与财务司副巡视员 |
| 何 维                | 中华人民共和国卫生部科教司司长          |
| 杨胜利                | 院士,中国科学院上海生命科学院          |
| Hank Nordhoff      | Gen-Probe 公司董事长          |
| 饶子和                | 院士,天津市政协副主席              |
| Raymond C. Stevens | 教授, Scripps 研究所(美国)      |
| 李 宁                | 院士,中国农业大学                |
| Laible Goetz       | 新西兰 Ag 研究所教授             |
| 陈志南                | 院士,第四军医大学                |
| JIANG Frank        | 医学博士,赛诺菲·安万特副总裁,亚太地区研发总裁 |
| 丁 健                | 院士,中国科学院上海药物研究所所长        |
| 李 恩                | 博士,诺华(中国)生物医学研究有限公司总经理   |
| 张伯礼                | 院士,天津中医药大学校长             |
| 吴以岭                | 院士,河北以岭药业董事长             |
| 赵中振                | 教授,香港浸会大学中医药学院           |
| 俞梦孙                | 院士,空军航空医学研究所             |
| Robert Sclabassi   | 计算诊断公司总裁                 |



- 欧阳平凯 院士,南京工业大学校长
- Ho Nam Chang 教授,韩国科学技术学院(韩国)
- 江泽慧 教授,全国政协人口资源环境委员会副主任、国际竹藤组织董事会联合主席、  
中国林学会理事长、国际木材科学院院士
- Coosje Hoogendoorn 博士,国际竹藤组织总干事

## 大会秘书处

### 秘书长

- 马燕合 中华人民共和国科学技术部社会发展科技司司长
- 赵海山 天津市科学技术委员会主任
- 黄 晶 中国生物技术发展中心主任
- 宗国英 天津市滨海新区人民政府区长
- 何树山 天津经济技术开发区管理委员会主任

### 副秘书长

- 杨 哲 中华人民共和国科学技术部社会发展科技司副司长
- 胡晓军 中华人民共和国科学技术部办公厅副主任
- 陈霖豪 中华人民共和国科学技术部国际合作司副司长
- 邓天佐 中华人民共和国科学技术部科研条件与财务司副巡视员
- 郭志伟 中华人民共和国科学技术部农村科技司副司长
- 马宏建 中国生物技术发展中心副主任
- 贾 丰 中国生物技术发展中心副主任
- 安道昌 中国生物技术发展中心副主任
- 李宝纯 天津市科学技术委员会副主任
- 郭景平 天津市滨海新区人民政府副区长
- 艾亚民 天津经济技术开发区管理委员会副主任

## 会议日程

| 日期        | 上午      | 下午            |
|-----------|---------|---------------|
| 6月26日,星期日 |         | 大会暨展览开幕式、主题演讲 |
| 6月27日,星期一 | 学术分会及展览 | 学术分会及展览       |
| 6月28日,星期二 | 展览      |               |

## 大会报告人

- 桑国卫 院士,十一届全国人大常委会副委员长  
吕克·蒙塔尼 2008年诺贝尔生理学医学奖得主,世界艾滋病研究与防治基金会主席  
王晓东 美国国家科学院院士,北京生命科学研究所所长

## 学术分会

### 分会一：生物技术产业化与科技金融

**研讨内容：**交流生物产业发展的现状和前景,探讨生物产业的投资机遇和投资政策,提出促进生物产业发展的投融资政策。

- 分会主席：**邓天佐 科技部条财司副巡视员  
何 维 卫生部科教司司长  
杨胜利 院士,中国科学院上海生命科学院  
Hank Nordhoff Gen-Probe 公司董事长

**时间：**2011年6月27日 09:00-17:30

**地点：**天津梅江会展中心二层 N220 会议室

#### 报告人及题目：

- 报告人：何 维 卫生部科教司司长  
题 目：待定
- 报告人：张清奎 国家知识产权局专利局医药生物审查部部长  
题 目：生物产业知识产权战略及投融资须知
- 报告人：马宏建 中国生物技术发展中心副主任  
题 目：“十二五”中国生物技术发展策略与展望
- 报告人：刘 勇 国家开发银行业务发展局局长  
题 目：以开放性金融支持生物产业
- 报告人：王昌林 发改委宏观经济研究院产业经济与技术经济研究所所长  
题 目：中国生物产业发展政策解读
- 报告人：姜 峰 科技部医疗器械产业技术创新联盟理事长  
题 目：生物产业发展过程中的融资需求和破解之道
- 报告人：沈心亮 中国生物技术集团公司副总经理  
题 目：创业板市场助推生物产业发展

报告人：张仕元 西南证券有限责任公司

题 目：变革推动生物产业进入繁荣期

报告人：Hank Nordhoff Gen-Probe 公司董事长

题 目：诊断与投资

报告人：Duan Roth CONNECT 总裁

题 目：分布式的合作

报告人：陈毅松 首席执行官, 总裁, 德通寰球资本有限公司, 中国旅美金融协会会长

题 目：生物产业的投资趋势和一些投资及政策思考

报告人：Ting Pau Oei L Capital Partners 创办人

题 目：风险投资在生物技术融资中的作用

报告人：John Reed Sanford-Burnham 医学研究所总裁

题 目：待定

## 分会二：前沿生物技术

**研讨内容：**研讨干细胞、基因组、蛋白质组、免疫学、结构生物学等与生物技术发展密切相关的基础和前沿学科的发展现状和趋势。

**分会主席：**饶子和 院士, 天津市政协副主席

Raymond C. Stevens 教授, Scripps 研究所(美国)

**时间：**2011年6月27日 09:00-17:30

**地点：**天津梅江会展中心二层 N211 会议室

**报告人及题目：**

报告人：贺 林 院士, 上海交通大学 Bio-X 中心 / 复旦大学 / 上海生科院营养科学研究所所长

题 目：食品与药品在疾病预防关口前移中的作用

报告人：杨焕明 院士, 深圳华大基因研究院院长

题 目：基因组学：生物经济的起始和基础

报告人：张 宏 研究员, 北京生命科学研究所

题 目：细胞自噬和疾病的发生

报告人：高 福 研究员, 中科院微生物所 / 北京生命科学研究院副院长

题 目：2009 甲型 H1N1 流感病毒囊膜蛋白 HA 和 NA 的结构特异性

报告人：周 琪 研究员, 中科院动物所

题 目：干细胞及再生医学研究进展及潜在应用

报告人：王小宁 教授,中国人民解放军总医院生命科学院副院长

题 目：待定

报告人：张灼华 教授,中南大学

题 目：Connexin-31 疾病：从基因到治疗

报告人：Prof. Raymond C. Stevens Scripps 研究所(美国)

题 目：G 蛋白偶联受体的新型药物开发模式

报告人：Prof. Barbara HOWLETT Bio21 研究所(澳大利亚)

题 目：通过探索真菌病原体的基因组序列来减少植物病虫害

报告人：Prof. Peter Colman Walter & Eliza Hall 研究所(澳大利亚)

题 目：用于治疗 and 预防流感的神经氨酸苷酶抑制剂的发现和特性

报告人：Prof. Neil Isaacs 格拉斯哥大学(英国)

题 目：来自自然的启发：利用分子结构作为设计模板

报告人：Prof. Ian Jones 雷丁大学(英国)

题 目：利用昆虫细胞生产的新一代疫苗

报告人：Prof. Geoff Howlett Bio21 研究所(澳大利亚)

题 目：疾病中类淀粉样纤维形成的脂类调解因子

报告人：Prof. Robert Bob Sim 牛津大学(英国)

题 目：先天性免疫系统中监控机制及药物控制的研究新进展

报告人：Prof. Thomas Kay St. Vincent's 研究所(澳大利亚)

题 目：治疗 1 型糖尿病的新技术

### 分会三：农业生物技术

**研讨内容：**研讨转基因植物、动植物基因组测序,动植物功能基因组,胚胎移植、克隆技术、生物肥料、生物农药、畜禽疫苗、生物兽药。

**分会主席：**李 宁 院士,中国农业大学

Laible Goetz 教授,新西兰 Ag 研究所

**时间：**2011 年 6 月 27 日 09:00-17:30

**地点：**天津梅江会展中心二层 N217 会议室

**报告人及题目：**

报告人：陈化兰 研究员,中国农科院哈尔滨兽医研究所主任

题 目：禽流感防控



报告人：赖良学 教授, 吉林大学畜牧兽医学院副院长

题 目：猪基因修饰新方法探讨

报告人：于 军 研究员, 中国科学院北京基因组研究所副所长

题 目：人类健康与疾病研究的个体化时代

报告人：赵要风 教授, 中国农业大学

题 目：转入乳铁蛋白基因奶牛的规模化生产

报告人：张泽华 研究员, 中国农科院植保所

题 目：国内外生物农药发展现状和机遇

报告人：邢永忠 教授, 华中农业大学

题 目：水稻功能基因组研究进展

报告人：赖锦盛 教授, 中国农业大学

题 目：玉米基因组学研究和分子设计育种

报告人：吕玉平 大北农生物技术部主任

题 目：智创中国农业生物技术研发

报告人：Prof. Laible Goetz 新西兰 Ag 研究所

题 目：利用细胞介导的转基因家畜在生物医药和奶产品改良方面的应用

报告人：Dr. Etches Robert Crystal Bioscience 总裁

题 目：鸡基因组的基因插入改造

报告人：Prof. Forsberg Cecil 圭尔夫大学(加拿大)

题 目：可商业化植酸酶转基因猪的制备

报告人：John Mcclean 孟山都公司中国研究院院长

题 目：孟山都生物技术研发概况

## 分会四：医药生物技术

**研讨内容：**研讨重组蛋白药物、抗体、疫苗、生物医用材料、干细胞、组织工程与诊断试剂等领域的最新进展和发展趋势。

**分会主席：**陈志南 院士, 第四军医大学

JIANG Frank 医学博士, 赛诺菲·安万特副总裁, 亚太地区研发总裁

**时间：**2011年6月27日 09:00-17:30

**地点：**天津梅江会展中心二层 N215 会议室

## 报告人及题目：

报告人：陈志南 院士，第四军医大学

题目：基于抗体的生物制药产业与转化医学进展

报告人：魏于全 院士，四川大学副校长

题目：基因治疗进展

报告人：陈惠鹏 研究员，军事医学科学院生物工程研究所所长

题目：蛋白质药物的二次开发

报告人：郑强 教授，北京大学

题目：生物制剂全周期质量管理

报告人：夏宁邵 教授，厦门大学

题目：体外诊断产品的现状与发展

报告人：史晋海 研究员，天津国际生物医药联合研究院

题目：抗体药物安全性评价

报告人：邹全明 研究员，第三军医大学

题目：新型疫苗研究进展

报告人：金力 教授，复旦大学副校长

题目：中国的大型队列研究：机遇和挑战

报告人：王军志 研究员，中国食品药品检定研究院副院长

题目：生物技术药物与转化医学

报告人：梁子才 教授，北京大学

题目：勿以善“小”而不为：中国小核酸技术产业创新体系建设

报告人：刘伟 教授，上海第二医科大学第九人民医院

题目：组织工程研究和相关产品开发

报告人：JIANG Frank, 医学博士，赛诺菲·安万特副总裁，亚太地区研发总裁

题目：转化医学：加快新药研发的关键方法

报告人：Dr. Bradley Marchant, 赛诺菲·安万特亚太地区研发高级总监

题目：中国药物研发的机遇

报告人：Dr. Lily Yao, Senior Research Fellow, 伯明翰大学(英国)

题目：关于治疗膝关节软骨缺损再生医学的经济学评价

报告人：Dr. Sijmen de Vries, 荷兰生物制药 PHARMING 公司总裁

题目：转基因治疗型蛋白技术平台

## 分会五：化学药

**研讨内容：**化学药物的新药设计、合成、高通量筛选等新技术、新方法以及临床前代谢、药效学评价、安全性评价、药理作用机理和药物释放系统等的最新进展；国内外药物注册等法规、标准的发展趋势；药物研发的新策略。

**分会主席：**丁 健 院士，中国科学院上海药物所所长  
李 恩 博士，诺华(中国)生物医学研究有限公司总经理

**时间：**2011年6月27日 09:00-17:30

**地点：**天津梅江会展中心二层 N213 会议室

### 报告人及题目：

报告人：刘昌孝 院士，天津药物研究院

题 目：药代动力学在新药研发转换研究中的作用

报告人：蒋建东 研究员，中国医学科学院药物研究所所长

题 目：克服 HBV 病毒耐药的新策略

报告人：蒋华良 研究员，中国科学院上海药物所副所长

题 目：计算引导的药物发现

报告人：郝小江 研究员，中国科学院昆明植物研究所

题 目：植物中天然先导化合物的发现

报告人：邓炳初 博士，广东东阳光药业有限公司首席原创新药顾问，新药研发

题 目：新药临床研究申请：在中国模仿创新药物开发的从美国到中国再到美国方程式

报告人：张 丹 博士，方恩(天津)医药发展有限公司董事长

题 目：从实验室研究到临床研究

报告人：王 英 博士，华医药有限公司药物安全与注册部副总裁

题 目：新药开发过程中的心血管系统安全性评价

报告人：李 恩 博士，诺华(中国)生物医学研究有限公司总经理

题 目：科技促进药物发现：从靶标到治疗

报告人：岳国华 博士，安塔臻制药有限公司董事长兼首席执行官

题 目：越过血脑屏障

报告人：何 伟 博士，微美华药总裁兼首席执行官

题 目：小分子药物开发和自主创新

报告人：赵树海 罗氏研发(中国)有限公司,上海

题目：通过新药设计来减少心血管系统的副作用

报告人：吕强 博士,药明康德新药开发有限公司生物研发副总裁

题目：未来的新药研发平台

报告人：贺耘 博士,保诺科技(北京)有限公司高级副总裁、首席科学官

题目：中国一体化的药物发现服务——机遇和挑战

## 分会六：中医药

**研讨内容：**围绕中医诊断生物学基础、中药药效物质基础与配伍规律、中药质量控制与评价方法、现代生物技术在中医药领域的应用、中医药国际标准和规范、中医药产业发展、中医药产品进入国际市场、世界传统医药科技领域的科技创新等问题进行研讨。

**分会主席：**张伯礼 院士,中国中医科学院、天津中医药大学

吴以岭 院士,河北以岭药业董事长

赵中振 教授,香港浸会大学中医药学院

**时间：**2011年6月27日 09:00-17:30

**地点：**天津梅江会展中心二层 N219 会议室

### 报告人及题目：

报告人：吴以岭 院士,河北以岭药业董事长

题目：络病学说理论原创带动新药研发

报告人：赵中振 教授,香港浸会大学中医药学院

题目：中药的自然资源与文化资源

报告人：王一涛 教授,澳门大学中华医药研究院院长

题目：中华医药：创新人才培养与国家重点实验室建设

报告人：刘张林 研究员,中国医药保健品进出口商会副会长

题目：中医药国际化与中药产业安全

报告人：叶祖光 研究员,中国中医科学院主任

题目：中药安全性评价及其安全、合理应用

报告人：陈士林 研究员,中国医科院药植所所长

题目：中药材生态适宜性定量评价研究

报告人：黄璐琦 研究员,中国中医科学院副院长

题目：中药材道地性的属性、质量特征和形成机制



报告人：屠鹏飞 教授,北京大学

题 目：基于天然药物资源的活性先导化合物和创新药物的发现

报告人：肖小河 研究员,中国人民解放军 302 医院

题 目：中药大质量观及实践

报告人：刘铜华 教授,北京中医药大学

题 目：中医药干预胰岛素抵抗的地位和作用

报告人：孙增涛 教授,天津中医药大学第二附属医院院长

题 目：从呼吸系统慢性疾病防治谈中医药的研究思路

报告人：蔡少青 教授,北京大学

题 目：关于中药质量控制的若干思考

报告人：王智民 研究员,中国中医科学院

题 目：食用中药材管理

报告人：杨秀伟 教授,北京大学

题 目：基于“通脉方”的中药复方研究策略

报告人：赵大庆 教授,长春中医药大学

题 目：野山参和园参的比较蛋白质组学研究

报告人：刘菊妍 总工程师,广药集团副总经理

题 目：品牌中成药与持续创新

报告人：叶正良 研究员,天津天士力之骄药业有限公司总经理

题 目：中药注射剂风险管理体系的构建

## 分会七：生物医学工程

**研讨内容：**研讨生物力学、康复医学工程、医学神经工程、健康物联网工程、军事医学工程等领域的前沿、热点、亮点等内容。

**分会主席：**俞梦孙 院士,空军航空医学研究所

Robert Sciabassi 计算诊断公司总裁

**时间：**2011 年 6 月 27 日 09:00-17:30

**地点：**天津梅江会展中心二层 N216 会议室

**报告人及题目：**

报告人：樊瑜波 教授,北京航空航天大学

题 目：植介入体的生物力学与力生物学

报告人：李兰娟 院士，浙江大学第一医院

题 目：数字卫生与物联网

报告人：顾汉卿 教授，天津医科大学

题 目：骨科植入物的发展与产业化

报告人：张 明 教授，香港理工大学

题 目：国际康复工程教育、科研及产业

报告人：王智彪 教授，重庆医科大学

题 目：互联网将深刻改变现代医学模式

报告人：宋 瑜 研究员，健康物联专家委员会

题 目：健康物联网及工程化实践

报告人：高上凯 教授，清华大学

题 目：神经工程为改善民生提供新的解决方案

报告人：萧绍博 教授，北京理工大学

题 目：健康物联与人本电子健康

报告人：张铁梅 卫生部老年医学研究所副所长

题 目：老年健康物联共享服务平台的建设

报告人：王喜太 国家康复辅具研究中心主任

题 目：中国康复辅具行业的现状及发展趋势

报告人：郑全录 沈阳东软医疗系统有限公司总裁

题 目：中国民族数字医疗产业与物联网现状及发展策略的探讨

报告人：Robert Sciabassi 计算诊断公司总裁

题 目：生物医学的工程学：21 世纪的经济动力

报告人：方祖祥 教授，复旦大学电子工程系

题 目：用于预防心脏猝死的远程心电监护

## 分会八：工业生物技术

**研讨内容：**研讨如何利用生物技术开展能源、材料、化学品及医药制造的研发及产业化应用。

**分会主席：**欧阳平凯 院士，南京工业大学校长

Ho Nam Chang 教授，韩国科学技术学院(韩国)

**时间:** 2011年6月27日 09:00–17:30

**地点:** 天津梅江会展中心二层 N218 会议室

**报告人及题目:**

报告人: 马延和 研究员, 中国科学院微生物研究所

题目: 工业生物制造发展展望

报告人: 黄日波 教授, 广西科学院

题目: 生物能源与生物产业: 高效生物催化酶类的研究与开发

报告人: 元英进 教授, 天津大学

题目: 耐受木质纤维素水解液复合抑制剂酵母的系统分析

报告人: 曲音波 教授, 山东大学

题目: 木质纤维素生物炼制的研究进展

报告人: 谭天伟 教授, 北京化工大学副校长

题目: 以低值和废弃物为原料的生物炼制

报告人: 许建和 教授, 华东理工大学

题目: 手性化合物合成用高效工业化酶的发现

报告人: 邢新会 教授, 清华大学

题目: 常压室温等离子体微生物基因组快速突变及微生物进化工程研究

报告人: 应汉杰 教授, 南京工业大学

题目: ATP 对微生物生理及代谢功能的作用及调节机制研究

报告人: 万印华 研究员, 中国科学院过程工程研究所

题目: 出芽短梗霉(*Aureobasidium pullulans* ipe-1) 发酵生产  $\beta$ -聚苹果酸及过程控制策略

报告人: 黄 和 教授, 南京工业大学

题目: 代谢工程及合成生物学在 2,3-丁二醇及其衍生物制造中的应用

报告人: Prof. Roger Ruan 明尼苏达大学(美国)

题目: 藻类大规模培养在生物能源及废水处理中的应用

报告人: Prof. Shang-Tian Yang 俄亥俄州立大学(美国)

题目: 生物基化学品制造的生物过程工程及代谢工程

报告人: Prof. Rolf D Schmid 斯图加特大学(德国)

题目: 面向生物经济未来——德国重要生物产业的研究与开发

报告人: Prof. Ho Nam Chang 韩国科学技术学院(韩国)

题目: 面向生物能源与生物基化学品的生物质转化平台

报告人：Prof. Tomohisa Hasunuma 神户大学化学科学和工程学部(日本)

题目：利用生物质生产生物燃料的微生物细胞工厂的构建

报告人：张嘉修 教授,成功大学(台湾地区)

题目：微藻—未来能源与化学品制造的生物原料

报告人：Prof. Raja Ghosh 麦克马斯特大学(加拿大)

题目：聚乙二醇修饰药物蛋白的纯化

## 分会九：生物资源与生物多样性

**研讨内容：**能源植物、经济植物、纤维植物、油脂植物、芳香植物、食用植物以及微生物资源等的培育和利用。生物多样性与全球气候变化；生物多样性保护、调查与监测；生物多样性信息管理；生物多样性与生态工程建设；濒危物种保护与风险评估；生物多样性与有害生物防控；自然保护区建设与经营管理；湿地生物多样性保护与管理；微生物多样性与可持续利用；遗传多样性与种质资源保护等。绿色经济内涵、绿色经济核算、林产品绿色贸易以及绿色经济发展政策等。

**分会主席：**江泽慧 教授,全国政协人口资源环境委员会副主任、国际竹藤组织董事会

联合主席、中国林学会理事长、国际木材科学院院士

Coosje Hoogendoorn 博士,国际竹藤组织总干事

**时间：**2011年6月27日 09:00-17:30

**地点：**天津梅江会展中心二层 N209 会议室

**报告人及题目：**

报告人：江泽慧 教授,全国政协人口资源环境委员会副主任、国际竹藤组织董事会联合主席、中国林学会理事长、国际木材科学院院士

题目：完善绿色经济理论 推动包容性发展

报告人：宋维明 教授,北京林业大学校长

题目：中国林木生物质能源产业化问题分析

报告人：杨传平 教授,东北林业大学校长

题目：黑龙江省国有林区发展低碳能源的途径选择

报告人：曹福亮 教授,南京林业大学校长

题目：银杏资源的高效利用的潜力与优势

报告人：戴广翠 研究员,国家林业局林业经济发展研究中心副主任

题目：森林资源价值与绿色核算体系



报告人：刘世荣 研究员，中国林科院 / 中国生态学会副院长

题 目：生态系统服务功能与可持续管理

报告人：韩 斌 主任，中科院上海基因工程研究中心 / 基因组研究所副所长

题 目：毛竹基因组序列的测定和分析

报告人：岳永德 常务副主任，国际竹藤网络中心

题 目：竹子资源高值化利用现状与展望

报告人：蒋剑春 研究员，中国林科院林产化工研究所所长，国际木材科学院院士

题 目：中国生物质液体燃料转化技术的研究与发展

报告人：Prof. Jolanda Jonkhart 国际竹藤组织

题 目：非木质林产品——竹子在可持续发展中的贸易趋势和机会

报告人：Prof. Paavo Pelkonen 东芬兰大学 / 芬兰林学会理事长

题 目：木材生物质产品的生物多样性

报告人：Prof. Louis Putzel 世界林业研究中心

题 目：21 世纪的森林、全球化和可持续发展

报告人：Andrew Murphy 世界自然基金会项目副主任

题 目：森林活力

## 工作语言

中文和英文（开幕式安排同声传译）

## 展览信息

2011 年 6 月 26–28 日，2011 国际生物经济大会将为您提供一个产品展览的理想国际平台，千万不要错过良机。本次会议将承诺为您提供一个理想的展位，帮助您提升公司或研究机构的产品知名度，与战略性伙伴建立更广泛的业务联系，拓展公司业务网络。

## 专题活动

### 1、第 13 届中国(天津)医药高新技术交易会

主要内容：组织 15~20 家优秀机构和生物医药合作项目举办生物医药项目路演推介会；举办生物医药项目对接洽谈会。

时间：2011 年 6 月 27 日

地点：梅江会展中心 2 层 N210（上午）

梅江会展中心 1 层 N6 厅（下午）

联系方式：中国医药科技成果转化中心

地址：北京西城区鼓楼西大街 154 号

联系电话：010-51665863-829、879、868,64011361

邮箱：forum@pharmtec.org.cn

### 2、中法药理学研讨会暨中法生物医药企业对接洽谈会

主要内容：邀请中法两国专家学者在药学领域进行广泛、深入的学术交流，加强中法两国生物医药企业之间的交流与合作，展示研究新成果、新进展、新技术和新经验，洽谈合作项目。

时间：2011 年 6 月 26~28 日

地点：梅江会展中心 2 层 N212、N210（研讨会）

梅江会展中心 1 层 N6 厅（对接洽谈）

联系方式：天津市对外科技交流中心

地址：天津市和平区和平路 287 号余门

联系电话：022-27121840 022-27121649 022-27126410

邮箱：cnfrbio@gmail.com

### 3、中韩百家企业对接会

主要内容：组织 30 余家韩国大中型生物医药企业与国内 60 余家企业进行技术和项目的洽谈对接。

时间：2011 年 6 月 27 日下午

地点：天津市国际生物医药联合研究院

联系方式：天津市国际生物医药联合研究院

地址：天津开发区洞庭路 220 号

联系电话：022-65378061 022-65378009

邮箱：tjab2010@163.com

### 4、2011 年滨海新区与中科院科技成果对接会——生物医药产业专场

主要内容：组织滨海新区企业与中科院进行技术和项目的洽谈对接。

时间：2011 年 6 月 26 日上午



地点：梅江会展中心 2 层 N210

联系方式：天津市滨海新区科学技术委员会

地址：天津经济技术开发区第一大街 79 号 MSD-C2 座

联系电话：022-65305979 13702125741

邮箱：binhaiipo@126.com

## 5、第二届全国药学院院长与制药百强 CEO 论坛

主要内容：将邀请全国知名高校的药学院院长、制药百强 CEO 及国家重大新药创制项目负责人，以“核心技术与新药创制”为主题，探讨合作、联合的机制，进一步推进产学研结合，努力将天津打造成为我国生物医药技术的研发转化基地、产业发展的创新基地、高端人才的创业基地，推动我国医药产业跨越式发展。

时间：2011 年 6 月 27 日上午

地点：梅江会展中心 2 层 N214

联系方式：天津市国际生物医药联合研究院

地址：天津开发区洞庭路 220 号

联系电话：022-65378061 022-65378009

邮箱：tjab2010@163.com

## 报名

请与会代表于 6 月 20 日前登陆组委会网站 ( 网址为：[www.bioeco.net.cn](http://www.bioeco.net.cn) )，进行在线注册。

## 大会秘书处联系方式：

**北京秘书处：中国生物技术发展中心**

电话：+86-10-88225132

传真：+86-10-88225200

电子邮件：[bioeco@cncbd.org.cn](mailto:bioeco@cncbd.org.cn)

**天津秘书处：天津市科学技术委员会**

电话：+86-22-27116463

传真：+86-22-27114808

电子邮件：[tjkswyyc@163.com](mailto:tjkswyyc@163.com)

**会务组：天津市科学技术信息研究所**

电话：+86-22-23519125 / 23519311

传真：+86-22-23330582

电子邮件：[bio@tjst.net](mailto:bio@tjst.net)



**发展生物经济，促进民生改善**

**Develop Bioeconomy  
Improve People's Livelihood**

***[www.bioeco.net.cn](http://www.bioeco.net.cn)***