

ISQP
DEC.2017
BEIJING

第六届定量药理学与新药评价国际会议

THE SIXTH INTERNATIONAL SYMPOSIUM: QUANTITATIVE PHARMACOLOGY

2017年12月 中国·北京

DECEMBER 2017
BEIJING • CHINA



The 6th International Symposium in Quantitative Pharmacology•2017

December 1st-2nd, 2017

Beijing, China

Dear Colleagues and Friends,

On behalf of the organizing committee, it is my great pleasure to announce that the International Symposium in Quantitative Pharmacology (ISQP) will be held on December, 2017, Beijing, China.

The integration of PK and PD modeling and simulation have played a vital role to guide the decision making process on optimization and product realization, virtually in every stage to reduce time and cost needed for drug development.

With the recent trend toward global drug development and clinical trials, China has been regarded as the next frontier for the pharmaceutical industry. Pfizer, Roche, Johnson & Johnson, GSK, Novartis and others have established Research and Development (R&D) centers in China. Also, through the government support, the pharmaceutical industry and related infrastructure have been growing rapidly in China.

The success of previous three ISQPs since 2007 in China has created a big momentum in promoting the related research in this field in China. We believe that ISQP Beijing 2017 will also lend a platform for the scientific leaders in academia, regulatory authority and the pharmaceutical industry. It will be an opportunity to discuss the opportunities and challenges ahead in global drug research and development. We hope this symposium will contribute to enhance exchanging mutual interests between Western and China in this very challenging area.

As the capital of China with a history for more than 3000 years, Beijing, a rapidly changing city will present you a cultural experience with a mixture of old tradition and hi-technology during the stay.

Thank you in advance for your participation and support.

Pei Hu, PhD

President of the Organizing Committee

Professor, Director

Phase I Unit, Clinical Pharmacology Research Center, Peking Union Medical College Hospital
and Chinese Academy of Medical Science



Committees

Chairman

Honorary Chairman: Professor Ruiyuan Sun, Honorary Chairman of the Quantitative

Pharmacology Professional Committee of Chinese Pharmacological Society

Meeting Chairman: Professor Qingshan Zheng, Shanghai University of Traditional Chinese Medicine

Executive Chairman: Professor Pei Hu, Peking Union Medical College Hospital and Chinese Academy of
Medical Science

Meeting Vice Chairman:

Prof. Lu Wei, School of pharmacy, Peking University

Prof. Jiang Ji, Peking Union Medical College Hospital

Dr. Huang Qin, CFDA drug review center,

Prof. Cheng Neneng, School of pharmacy, Fudan University

Prof. Jiao Zheng, Huashan Hospital affiliated to Fudan University

International Academic Committee (in alphabetical order by last name):

Andrew Chow	Amgen	Joga Gobburu	Univ. of Maryland
Nick Holford	Univ. of Auckland	William J. Jusko	SUNY at Buffalo
Yanjin Jin	Genetech	Brian Corrigan	Pfizer
Jianguo Li	AstraZeneca	Donald E. Mager	SUNY at Buffalo
Bob Powell	Univ. of North Carolina State	Richard Peck	Roche
Amin Rostami-Hodjegan	Univ. of Manchester	Amar Sharma	Janssen
Tom Sun	Janssen	Yaning Wang	FDA
Liang Zhao	FDA	Ping Zhao	The Bill & Melinda Gates Foundation

Chinese Academic Committee (in alphabetical order by last name):

Cheng Ze-neng, School of Pharmacy, ZhongNan University

Cui Yimin, No.1 Hospital of Peking University

Gao Chenyan, CFDA Center for drug evaluation

Guo Feng, Merck (Beijing) medicine research & Development Co Ltd



Huang Min, School of Pharmacy, Zhongshan University
Huang Xiaohui, Medical University Of Anhui, School of pharmacy
Jiang Ji, Peking Union Medical College Hospital
Li Gailing, Johnson & Johnson
Liu Xiaodong, Chinese Pharmacology University
Liu Xiaoxi, Sanofi Aventis
Li Haiyan, The 3rd Hospital of Peking University
Li Yan, Institute of Medicine in Chinese Academy of Medical Sciences
Ma Peimin, GSK
Shi Jun, Roche pRED China
Rui Jianzhong, General Hospital of Nanjing Military Area
Song Haifeng, Military Medical Science Academy of the PLA
Sun He, Tianshili company group
Wang Guangji, Chinese Pharmacology University
Wang Hainan, Division of Registration CFDA
Wang Hui, Scholl of Traditional Chinese medicine, Guangdong Pharmaceutical University
Wang Peng, Beijing Xiantongda Biological Medicine Technology Co Ltd
Wang Xiaoliang, Institute of Medicine in Chinese Academy of Medical Sciences
Xie Rujia, Pfizer (China) Co., Ltd.
Xie Haitang, Anhui clinical evaluation center of drugs
Yang Jinbo, CFDA centre for drug evaluation
Yang Jin, Chinese Pharmacology University
Yu Zhigang, Amgen
Yang Guoping, Xiangya Third Hospital of Central South University
Yuan Bingxiang, Xi'an Jiao Tong University School of Medicine
Zhang Jing, Huashan Hospital affiliated to Fudan University
Zhou Tianyan, School of pharmacy, Peking University

Meeting Organization Committee

Bi Shanshan, Johnson (China) Company
Chen Rui, Peking Union Medical College Hospital
Chen Xia, Peking Union Medical College Hospital
Chen Yuancheng, Huashan Hospital affiliated to Fudan University
Ding Junjie, Fudan University pediatric hospital
Feng Sheng, Roche pRED China



Li Lujin, Shanghai University of Traditional Chinese Medicine
Liu Dongyang, Peking Union Medical College Hospital
Ma Guangli, Pfizer (China) Co., Ltd.
Nie Jing, Johnson (China) Company
Shang Dewei, Guangzhou Brain Hospital
Pei Qi, Xiangya Third Hospital of Central South University
Wang Hongyun, Peking Union Medical College Hospital
Wang Kun, Shanghai University of Traditional Chinese Medicine
Xiang Xiaoqiang, School of pharmacy; Fudan University
Yang Jiansong, Mousi company
Zhang Zhao, Institute of Medicine in Chinese Academy of Medical Sciences
Zhao Libo, Beijing Children's Hospital
Zhao Wei, Shandong University
Zhao Qian, Peking Union Medical College Hospital
Zheng Xin, Peking Union Medical College Hospital

General Information

The time of the meeting: December 1st-2nd, 2017

The meeting place: Landmark Towers Hotel, Beijing, China

Location: North Dongsanhuan Road (Dongsanhuan Bei Lu), Yansha Commercial Area, Beijing, 100004, China

Important Date :

Oct. 10th, 2017—Closing Date for the Early-bird Registration

Oct. 10th, 2017—Closing Date for the Essay Contribute

Nov. 30th, 2017—On-site registration Date

Dec. 1st-2nd, 2017 —The Formal Agenda of Convention and Exhibition

Registration Website: <http://isqp2017.medmeeting.org/4452?lang=cn>

Registration Fee:

\$600 for one adult, \$550 for one adult Early-bird Registration (Oct. 10th included)

\$300 for one Student (Student ID is NEEDED While Registration)

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Organizing Committee will offer working lunch and welcome dinner.

Accommodation will be carried out under the unified arrangement by organizing committee, and the cost at audience's own expense

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Conference Agenda (to be updated)

Dec. 1st, 2017

Morning 7:30-12:10

7:30-8:30 Registration

8:30-8:50 Opening Ceremony

Chairs: Prof. Pei Hu and Prof. Qingshan Zheng#

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Session 1: Development of System Pharmacology

Time	Lecture Title	Speaker
08:50-09:20	Mechanistic Basis of Systems Pharmacology	William J. Jusko, Prof. of SUNY at Buffalo, NY, USA
09:20-09:50	Breaking the Glass Ceiling: Examining the Perceived Hurdles to Quantitative Systems Pharmacology Modelling	Amin Rostami-Hodjegan, Prof. of University of Manchester, UK

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Tea Break : 09:50-10:20

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Session 2: The Impact of Quantitative Pharmacology on Decision and Strategy of Clinical Studies

Time	Lecture Title	Speaker
10:20-10:50	Current status of pharmacometrics on drug clinical development in China: cases and milestones	Qingshan Zheng, Shanghai University of Traditional Chinese Medicine
10:50-11:20	The role of clinical pharmacology in precision medicine	Richard Peck, MD/PhD, Global Head of pRED , Roche
11:20-11:50	Challenges and Opportunities in the Development of Neurodegenerative Treatments: The Role of Clinical Pharmacology and Pharmacometrics.	Brian Corrigan, PhD, Pfizer

Panel Discussion : 11:50-12:10 (All the speakers)



Dec. 1st, 2017

Afternoon 13:30-17:30

Session 3: The Application and Future of Mechanism-based Physiological Pharmacokinetic Models and Disease Progression Model

Time	Lecture Title	Speaker
13:30-14:00	Disease progression modeling to inform the clinical development	Amar Sharma, Head of Global Clin. Pharm. and PM., Janssen
14:00-14:30	Cancer Modeling Platform	Jin Yan Jin, Global Head of M&S, Genetech
14:30-15:00	To be Determined	Jeff Barrett, Vice President, Translational Informatics, Sanofi

Tea Break : 15:00-15:30

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Session 4: Model-based Drug Development Strategy in Biopharmaceutics

Time	Lecture Title	Speaker
15:30-16:00	Translational Modeling of Target-Mediated Drug Disposition and Dynamics	Donald E. Mager, Prof. of SUNY at Buffalo, NY, USA
16:00-16:30	Application of PBPK models in development of therapeutic antibodies	Yanguang Cao, Assistant Prof. of UNC at Chapel Hill, NC, USA
16:30-17:00	PKPD modeling to guide biologics clinical development plan	Tom Sun, Senior Director, Janssen.

Panel Discussion : 17:00-17:30 (All the speakers)



Dec. 2nd, 2017

Morning 8:30-12:20

**Session 5: The Current Status and Future of Quantitative Pharmacology in Drug Evaluation
from the Perspective of Regulation Authority**

Time	Lecture Title	Speaker
08:30-09:00	Balance between empiricism and mechanism	Yaning Wang, Director, Division of PM, CDER/FDA, USA
09:00-09:30	To be Determined	Jinbo Yang, Division of Statistics and Clinical Pharmacology CDE/CFDA, China
09:30-10:00	PBPK: from academic research to routine use in drug development	Ping Zhao, The Bill & Melinda Gates Foundation

Tea Break : 10:00-10:30

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**Session 6: The Application of Quantitative Pharmacology in Personalized Medicine and
Bioequivalence Evaluation**

Time	Lecture Title	Speaker
10:30-11:00	Precision Drug Dosing: The Ultimate Patient Centered Pharmacometrics Application to Improve Health	Bob Powell
11:00-11:30	Determination of antibiotic treatment duration and drug resistance control: a new model-based approach	Jun Shi, PhD, Roche Innovation Center
11:30-12:00	To be Determined	Liang Zhao, Director of Division of Quantitative Methods & Modeling, CDER/FDA, USA

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Panel Discussion : 12:00-12:20 (All the speakers)



Dec. 2nd, 2017

Afternoon 13:30-17:30

Session 7: Invited Lectures by Young Researchers

Time	Lecture Title	Speaker
13:30-13:50	To be Determined	Peking Union Medical College Hospital
13:50-14:10	Novel pharmacotherapeutic quantitative guideline: our practice	Lujin Li, PhD, Shanghai University of Traditional Chinese Medicine
14:10-14:30	In vitro-in vivo extrapolation and preclinical-to-clinical scaling of glucocorticoids in the treatment of pancreatic cancer	Qingyu Yao, Peking University
14:30-14:50	Application and perspective of population pharmacokinetics in drug review	Hongchan Han, Division of Statistics and Clinical Pharmacology, CDE/CFDA, China
14:50-15:10	Mechanism-based modeling and simulation of the time-kill curve: the biological resistance vs chemical reaction kinetics	Xiaofen Liu, Fudan University Huanshan Hospital

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Tea Break: 15:10-15:40

Session 8: Invited Lectures by Young Researchers

Time	Lecture Title	Speaker
15:40-16:00	To be Determined	Peking Union Medical College Hospital
16:00-16:20	To be Determined	Qi Pei, Xiangya Third Hospital
16:20-16:40	Cloud computing in the modeling and simulation	Lixuan Qian, Fudan University Huanshan Hospital
16:40-17:00	Impact beyond Gut: a PBPK model for liposome property-performance translation	Hua He, China Pharmaceutical University#
17:00-17:20	PK prediction in patients with impaired renal function using PBPK, a case study	Sheng Feng, Roche China#

Closing ceremony : 17:20-17:30