

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, Novartis and others have established Research and Development (R&D) centers in China. Also, through the government's support, the pharmaceutical industry and related infrastructure have been growing rapidly in China.

The success of previous five 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 an impressive experience with a mixture of old tradition and hi-technology during your stay.

Thank you in advance for your participation and support.

Pei Hu, MD

President of the Organizing Committee

Professor, Director

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



Organization:

Sponsor: Chinese Pharmacological Society Quantitative Pharmacology Professional Committee

Organizer : Phase I Unit, Peking Union Medical College Hospital; Beijing Key Laboratory of Clinical PK/PD
for Innovative Drugs

Academic Support: Center for Drug Evaluation, CFDA

Co-organizers: Beijing Rui Zhi Hong Yang Business Consulting Co., Ltd.

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

Executive chairman: Pei Hu , Peking Union Medical College Hospital

Vice President: Wei Lu , School of Pharmac, Peking University

Jiang Ji, Peking Union Medical College Hospital

Qin Huang, Center for Drug Evaluation , CFDA

Nengneng Cheng, School of Pharmacy, Fudan University

Zheng Jiao , Huashan Hospital, Fudan University

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

Andrew Chow, Amgen

Brian Corrigan, Pfizer

Joga Gobburu, University of Maryland

Nick Holford, University of Auckland

William J.Jusko, SUNY at Buffalo

Yanjin Jin, Genetech

Jianguo Li, AstraZeneca

Donald E. Mager, SUNY at Buffalo

Richard Peck, Roche

Bob Powell, Univ.of North Carolina State

Amin Rostami-Hodjegan, University of Manchester

Amar Sharma, Janssen

Tom Sun, Janssen

Yaning Wang, FDA

Liang Zhao, FDA

Ping Zhao, The Bill&Melinda Foundation



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

Ze-neng Cheng, Central South University
Yiming Cui, Peking University
Yi Fang, Peking University People's Hospital
Chenyan Gao, CFDA
Feng Guo, Sihuan Pharm
Min Huang, Sun Yat-sen University
Xiaohui Huang ,Anhui Medical University
Ji Jiang, Peking Union Medical College Hospital
Zheng Jiao, Fudan University
Gailing Li ,Johnson & Johnson
Haiyan Li, Peking University
Xiaodong Liu, China Pharmaceutical University
Xiaoxi Liu , Harbour BioMed
Yan Li, Chinese Academy of Medical Science
Peiming Ma, GSK
Jun Shi, Roche, China
Jianzhong Rui, Nanjing Military Hospital
Haifeng Song, The Academy of Military Medical Science
He Sun, Tasly Group
Minji Wei, Peking University
Zhaoyang Tong, People's Liberation Army Institute of Chemical Defense
Guang-Ji Wang, China Pharmaceutical University
Hainang Wang, CFDA
Hui Wang, Guangdong Pharmaceutical College
Peng Wang, Beijing Xiantongda BioMed
Xiaoliang Wang, Chinese Academy of Medical Science
Rujia Xie, Pfizer
Haitang Xie, Anhui Drug Clinical Evaluation Center
Guoping Yang, The Third Xiangya Hospital of Central South University
Jinbo Yang, CDE, CFDA
Jin Yang ,China Pharmaceutical University
Zhigang Yu ,Amgen



Bingxiang Yuan ,Xi An JiaoTong University

Shoujun Yuan, The Academy of Military Medical Science

Jing Zhang, Fudan University Huanshan Hospital

Tian-yan Zhou, Peking University

Organizing Committee (in alphabetical order by last name):

Shanshan Bi, Prizer China

Rui Chen, Peking Union Medical College Hospital

Xia Chen, BeijingTiantan Hospital

Yuancheng Chen, Fudan University Huanshan Hospital

Junjie Ding, Fudan University Children Hospital

Sheng Feng, Roche China

Li Li, CDE, CFDA

Lujin Li, Shanghai University of Traditional Chinese Medicine

Beibei Liang, Chinese PLA General Hospital

Dongyang Liu, Peking Union Medical College Hospital

Guangli Ma, Prizer China

Jing Nie, Janssen

Pei Qi, The Third Xiangya Hospital of Central South University

Dewei Shang, Guangzhou Brain Hospital

Hongyun Wang, Peking Union Medical College Hospital

Kun Wang, Shanghai University of Traditional Chinese Medicine

Xiaoqiang Xiang, School of Pharmacy, Fudan University

Jiansong Yang, Mosim

Chunmin Wei, CDE, CFDA

Zhao Zhang, Peking University

Libo Zhao, Beijing Children Hospital

Qian Zhao, Peking Union Medical College Hospital

Wei Zhao, Shandong University

Xin Zheng, 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 :

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

Nov. 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 (Nov 10th included)

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

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

Contact:

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Conference Agenda

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

Session 1: Development of System Pharmacology

Chairmen: Prof. Wei Lu, Prof. Xiaodong Liu

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

Tea Break : 09:50-10:20

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

Chairmen: Prof. Yi Fang, Prof. Minji Wei

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	Role of Clinical Pharmacology & Pharmacometrics in Janssen's Drug Development	Amar Sharma, PhD, Head of Global Clin. Pharm. and PM., Janssen
11:50-12:20	Challenges and Opportunities in the Development of Neurodegenerative Treatments: The Role of Clinical Pharmacology and Pharmacometrics.	Brian Corrigan, PhD, Head of Global Clin. Pharm. and VP, Pfizer

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Afternoon 13:30-17:30

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



Chairmen: Prof. Guoping Yang, Dr. Ping Liu

Time	Lecture Title	Speaker
13:30-14:00	Cancer Modeling Platform	Jin Yan Jin, Global Head of M&S, Genetech
14:00-14:30	The Application of Empirical and Mechanism-based Disease Progression Modeling	Liping Zhang, PhD, Senior Director, Pharmacometrics US Group Lead, Janssen
14:30-15:00	PBPK: from academic research to routine use in drug development	Ping Zhao , Ph.D The Bill&Melinda Gates Foundation

Tea Break : 15:00-15:30

Session 4: Model-based Drug Development Strategy in Biopharmaceutics

Chairmen: Dr. Jun Shi, Dr. Jiansong Yang

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)

Tea Break : 17:30-18:00

Dec. 1st, 2017

Night 18:00-20:30

Salon: How to efficiently conduct early phase new drug development (Offer dinner)

Chairmen: Dr. Qian Zhao, Dr. Xin Zheng

Time	Lecture Title	Speaker
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18:00-18:20	Early Drug Development in China - Mosim's Experience	Jiansong Yang, Ph D CEO, Mosim.
18:20-18:40	Quality By Design (QbD in Clinical Trial) --- Implementaion of Reinforced Operational Control for Clinical Trial	Yin Li, Ph D Spring Medical Chief Commercial Officer
18:40-19:00	Exploratory and Quantitative Research Strategy of Biomarker	Chao Zhang, Ph D AB Sciex

Panel Discussion: Opportunity and Challenge: Quantitative Pharmacology in the research and development of novel drugs

Chairmen: Dr. Gailing Li

Time	Speaker
19:10-20:30	Panel Discussion: Yaning Wang, Liang Zhao, Jinbo Yang, Qingshan Zheng, Pei Hu, Li Chen, Yingxiang Wang, Qingchun Song

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Morning 8:30-12:20

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

Chairmen: Prof. Chenyan Gao, Dr. Feng Guo

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	The Current Status and Future of Quantitative Pharmacology in Drug Evaluation in China	Jinbo Yang, Director, Division of Statistics and Clinical Pharmacology CDE/CFDA, China
09:30-10:00	Application of Quantitative Methods and Modeling to Generic Drug Development	Liang Zhao, Subject Scientist from US

Tea Break : 10:00-10:30

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



Bioequivalence Evaluation

Chairmen: Prof. Zheng Jiao, Prof. Haitang Xie

Time	Lecture Title	Speaker
10:30-11:00	Precision Drug Dosing: The Ultimate Patient Centered Pharmacometrics Application to Improve Health	Bob Powell, Pharm D Univ. of North Carolina State
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	Mutual Use of Clinical data from East Asian Countries in Drug Development and Registration	Diane Wang, Ph D Pfizer

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

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Afternoon 13:30-17:30

Session 7: Invited Lectures by Young Researchers

Chairmen: Dr. Hongyun Wang, Dr. Li Li

Time	Lecture Title	Speaker
13:30-13:45	The Application of Pharmacometrics for Early Phase Clinical Development of New Anti-diabetic Drugs	Dongyang Liu, Ph D, Peking Union Medical College Hospital
13:45-14:00	Novel pharmacotherapeutic quantitative guideline: our practice	Lujin Li, PhD, Shanghai University of Traditional Chinese Medicine
14:00-14:15	Predicting the clinical doses of two glucocorticoids in the treatment of pancreatic cancer from preclinical studies by PK/PD modeling	Qingyu Yao, Ph D, Peking University
14:15-14:30	Application and perspective of population pharmacokinetics in drug review	Hongchan Han, Scientist Division of Statistics and Clinical Pharmacology, CDE/CFDA, China
14:30-14:45	Mechanism-based modeling and simulation of the time-kill curve: the biological resistance vs chemical reaction kinetics	Xiaofen Liu, Ph D Fudan University Huanshan Hospital
14:45-15:00	How to optimize the early clinical trial design for Neuro diseases	Yucheng Sheng, PhD GSK



Tea Break: 15:00-15:15

Session 7 Part 2 : Invited Lectures by Young Researchers

Chairmen: Dr. Xiaocong Zuo, Dr. Guangli Ma

Time	Lecture Title	Speaker
15:15-15:30	Exploring the Relationship between CYP2D6 Genotype and Phenotype based on Modeling and Quantitative analysis	Rui Chen, Ph D, Peking Union Medical College Hospital
15:30-15:45	Establishment of pharmacogenetics-based warfarin dosing algorithms with prospective data of Chinese patients using machine learning techniques	Qi Pei, Ph D, Xiangya Third Hospital
15:45-16:00	Cloud computing in the modeling and simulation	Lixuan Qian, Ph D, Fudan University Huanshan Hospita
16:00-16:15	Impact beyond Gut: a PBPK model for liposome property-performance translation	Hua He, Ph D, China Pharmaceutical University
16:15-16:30	PK prediction in patients with impaired renal function using PBPK, a case study	Sheng Feng, Ph D, Roche China
16:30-16:45	Modeling Combined Immunosuppressive and Anti-inflammatory Effects of Dexamethasone and Naproxen in Rats Predicts the Steroid-Sparing Potential of Naproxen	Xiaonan Li, PhD Mosim Co. Ltd.

Best Poster Awards : 16:45-17:10

Youth Paper Award : 17:10-17:35

Closing ceremony : 17:35-17:45

