



7TH ANNUAL SYMPOSIUM

Clinical & Pharmaceutical Solutions through Analysis

CPSA SHANGHAI 2016

Innovative Approaches to Reduce Attrition
and Predict Clinical Outcomes

April 20 - 23, 2016
Renaissance Shanghai Pudong Hotel
Shanghai

MEETING PROGRAM

*Where Technology and Solutions Meet
Where East Meets West*

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WELCOME

Inspiration to Application

April 20, 2016

Dear Colleague,

On behalf of the organizing committee and our sponsors, we welcome you to the 7th Annual Shanghai Symposium on Clinical & Pharmaceutical Solutions through Analysis (CPSA Shanghai 2016). It is a pleasure to once again host this unique event in Shanghai.

The goal of the CPSA Shanghai annual meetings is to provide in-depth reviews of innovative technology and industry practices through open discussion of industry related issues and needs. The diversified symposia and sponsored events are designed with the intent to be highly interactive where scientists openly share their experiences and visions in a collegial setting. The program will highlight speakers and sessions that provide firsthand experiences with new technologies as well as critical insights into industrial workflows and regulatory issues.

The symposium sessions, workshops and events reflect the theme of this year's annual meeting "Innovative Approaches to Reduce Attrition and Predict Clinical Outcomes." Traditions – universal for CPSA events worldwide – continue in Shanghai as pre-conference workshops, the Executive Roundtable, Welcome Reception and Sponsors Dinner, Distinguished Lecture Series and Social Event, Poster Session, CPSA EXPO, Innovator Award Session, and Young Scientist Excellence Awards help make our annual meeting a most unique and premier international event. We also continue with traditions from previous annual meetings and endeavor to connect everyone, not only as friends, but also as scientists across different disciplines in drug R&D.

Imagination and stimulating discussion are central to each CPSA function and session – or as we say around the world – CPSA is user friendly! We aim to bring scientists together from both East and West; and thus, CPSA Shanghai 2016 continues to foster our unique meeting tradition that encourages the diverse thinking, understanding, and relationships. Our hope is for attendees to actively participate in the conference and to become inspired with new ideas, new relations, and new collaborations.

Special thanks are extended to our sponsors who all share their sincere belief that CPSA Shanghai is indeed the premier international event to meet experts in the field and to openly discuss our industry's most fundamental challenges. Each sponsor shares the passion and commitment for the sciences – on an international scale.

Enjoy the annual meeting – Where Technology and Solutions Meet.... and of course, where East meets West!



Mike S. Lee, Ph.D.
CPSA Founder



Kelly Dong, Ph.D.
2016 Program Chair

ORGANIZING COMMITTEE

PROGRAM CHAIR

Kelly Dong
GlaxoSmithKline
China

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University of Pittsburgh
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SPONSORS

Thank You!

The CPSA Shanghai annual symposium is made possible by the broad-based support of industry sponsors. The passion for the analytical sciences and the accelerated discovery and development of pharmaceuticals is shared by each sponsor. As a result, the event is dedicated to promoting awareness and understanding of the issues and needs associated with pharmaceutical R&D in the hopes of inspiring significant advances in the field.



Meeting Management



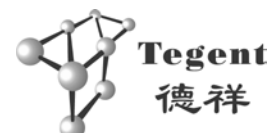
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EXHIBITORS

Thank You!

We would like to extend our sincere thanks to the exhibitors who made this year's annual CPSA Shanghai conference possible. It is with the support and commitment of these companies and people that technology can meet solutions! We hope to see you all in 2016!

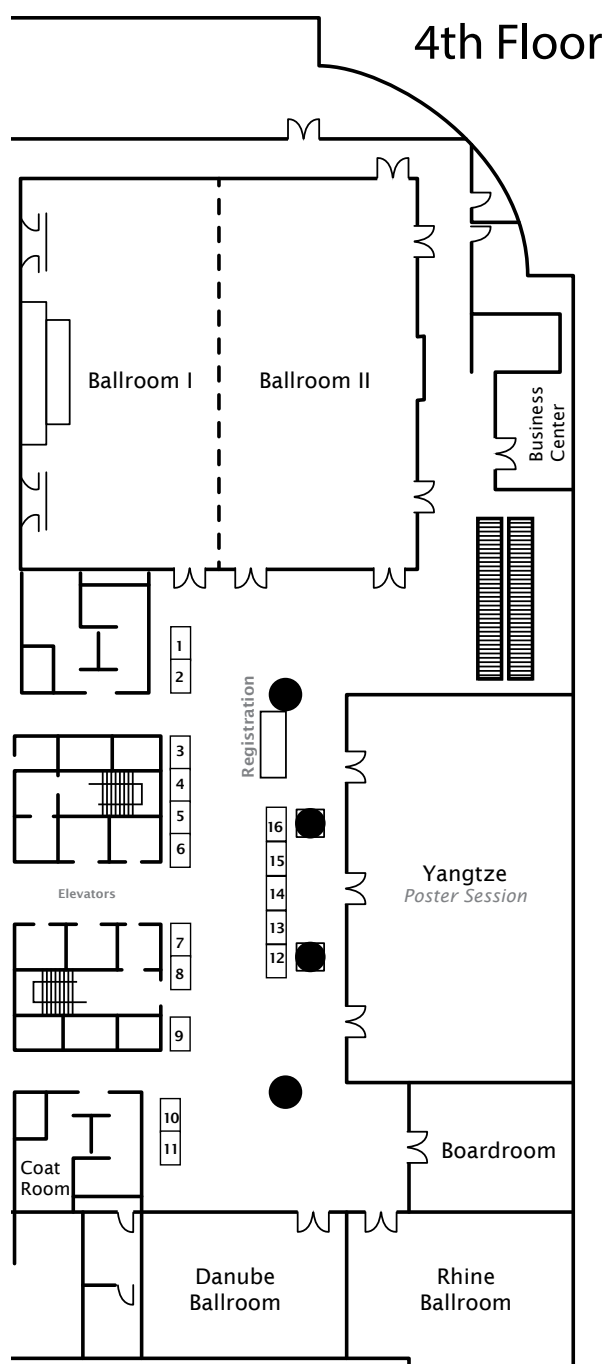


NEW OBJECTIVE



FLOOR PLAN

The CPSA Shanghai symposia, roundtables, poster session, EXPO and workshops will be held on the 4th Floor Lobby Level in the Renaissance Shanghai Pudong Hotel.



EXPO HOURS

The CPSA Shanghai 2016 Exposition will be open on the following schedule, but many company representatives will be on hand throughout the conference.

THURSDAY 11:00 AM - 2:00 PM
FRIDAY 11:00 AM - 2:00 PM

EXHIBITORS

Booth#	Company
10	Antpedia
13	ChemPartner
14	Covance
16	ES Industries
12	Frontage Laboratories
1	InfoClinika
11	Instrument.com.cn
5	McKinley Scientific
4	New Objective
15	Novilytic
7	QuanYang
6	RILD
3	SCIEX
9	Tegent
2	Thermo Fisher
8	XenoTech

FOR EXHIBITORS

Move-in: Wednesday, 7:00 pm - 9:00 pm
Move-out: Friday, 5:00 pm - 7:00 pm

WORKSHOPS

Wednesday APRIL 20

10:00 AM

Registration Open

Renaissance Shanghai Pudong 4th Floor Lobby

1:00 PM - 4:00 PM

PRE-CONFERENCE WORKSHOP

Ballroom I

Sponsored by SCIEX

- ▶ Advantages of Novel Data Acquisition Strategies for Accurate Metabolite Identification
Kerong Zhang, SCIEX
- ▶ Practical Considerations of Large Molecule Bioanalysis in Complex Matrices
Shaw Xia, SCIEX

4:00 PM - 6:00 PM

EXECUTIVE ROUNDTABLE

Ballroom I

The Balance of Scientific Integrity and Regulatory Burden
in Drug Discovery and Development

Chair: Naidong Weng, Janssen Research & Development

- ▶ DMPK and Asia Outsourcing
Ajai Chaudhary, Merck
- ▶ CRO Bioanalysis
Xinping Fang, WuXi AppTec
- ▶ Medicinal Chemistry and External Lead Discovery
Peter Meinke, Merck
- ▶ EBF and Pharmaceutical Bioanalysis
Philip Timmerman, Janssen Research & Development
- ▶ Instrument Sector
Hua-Fen Liu, SCIEX

6:00 PM - 9:00 PM

OPENING RECEPTION

Ballroom II

Plan to attend the opening festivities. Greet old friends, meet new friends, and get an overview of the week's events and activities.

Hosted by SCIEX

Welcome to CPSA Shanghai 2016!

PROGRAM AGENDA

Thursday APRIL 21

7:30 AM	<p>Registration Open <i>Renaissance Shanghai Pudong 4th Floor Lobby</i></p>
8:30 AM – 9:00 AM <i>Ballrooms I & II</i>	<p>OPENING REMARKS</p> <p>Welcome <i>Mike Lee, Milestone Development Services</i></p> <p>Objectives, Format, and Opening Remarks <i>Kelly Dong, GlaxoSmithKline - Program Chair</i></p>
9:00 AM - 9:45 AM <i>Ballrooms I & II</i>	<p>PLENARY LECTURE</p> <p>Quantitative Systems Pharmacology – A Key Approach to Reduce Attrition in Drug Discovery and Development <i>Valeriu Damian, GlaxoSmithKline</i></p>
9:00 AM – 5:00 PM <i>Yangtze Ballroom</i>	<p>Poster Hall Open <i>Posters will be available all day today and Friday</i></p>
10:15 AM – 11:45 AM <i>Ballrooms I & II</i>	<p>JOINT ADME/BA SYMPOSIUM & ROUNDTABLE</p> <p>Innovative Approaches to Reduce Attrition <i>Chairs: Sylvia Zhao, Novartis and Fan Jin, Covance</i></p> <ul style="list-style-type: none"> ▶ Early Reading of Drug-Drug Interactions by Using Endogenous Biomarkers and Recommendation of IQ Bioanalytical Subteam on Use of 4β-Hydroxycholesterol for P450 3A4/5 DDI <i>Naidong Weng, Janssen Research & Development</i> ▶ Bioanalytical Strategies to Help Drive Drug Development <i>Joseph Bower, Covance</i> ▶ Bioanalytical Strategy for Antibody Drug Conjugates <i>Mary Hu, Shanghai Miracoge</i>
11:00 AM - 2:00 PM <i>4th Floor Lobby</i>	<p>CPSA SHANGHAI EXPO - WHERE TECHNOLOGY AND SOLUTIONS MEET!</p> <p><i>Meet and mingle with vendors offering the latest in technology and services</i></p>

THURSDAY, APRIL 21

PROGRAM AGENDA

Thursday APRIL 21

11:30 AM - 12:30 PM

Yangtze Ballroom

POSTER SESSION / YOUNG SCIENTIST EXCELLENCE AWARD REVIEW

Young Scientist Excellence Committee Members: Luke Bi, Covance; Joseph Bower, Covance; Xiao Ding, Genentech; Jonathan Josephs, Thermo Fisher Scientific; Fred Li, Hua Medicine; Min Liu, Merck; Qun Lu, Celgene; Marjoleen Nijsen, AbbVie; Suma Ramagiri, SCIEX; Jasminder Sahi, Sanofi; Gary Valaskovic, New Objective; Sihe Wang, Cleveland Clinic; Naidong Weng, Janssen; Mingdan Wu, WuXi AppTec; Jeff Zhang, Novartis; Tianyi Zhang, Frontage Laboratories; Sylvia Zhao, Novartis

12:00 PM - 1:00 PM

Ballroom I

LUNCH & LEARN WORKSHOPS

Workshop

Sponsored by SCIEX

- ▶ Accurate Metabolite Identification using SWATH™, A Data Independent Acquisition and SelexION™ Gas Phase Separation
Shaw Xia, SCIEX

Ballroom II

Workshop

Sponsored by McKinley Scientific

1:30 PM - 3:00 PM

PARALLEL SESSIONS TRACKS 1 - 4

Track 1	Track 2
Drug Metabolism	Small Molecule Bioanalysis
Ballroom I	Ballroom II
Chairs: Dafang Zhong, Shanghai Institute of Materia Medica and Jeff Zhang, Novartis	Chairs: Xiao Ding, Genentech and Luke Bi, Covance
<ul style="list-style-type: none"> ▶ Metabolism and Pharmacokinetics of Vicagrel, A Novel Thienopyridine P2Y12 Inhibitor, Compared with Clopidogrel in Humans <i>Dafang Zhong, Shanghai Institute of Materia Medica</i> ▶ Metabolite Profiling of Artemisinin-Based Combination Drugs <i>Jie Xing, Shandong University</i> ▶ Rapid Identification of Biotransformation-Mediated Modification of Endogenous Proteins and Biologics Using HRMS, Background Subtraction and PEAKS <i>Mingshe Zhu, Bristol-Myers Squibb</i> ▶ In Vitro ADME Evaluation for Supporting IND Submission: Guidance, Challenges, and Solutions <i>Zhuohan Hu, Fudan University</i> 	<ul style="list-style-type: none"> ▶ Application of LC-AMS for the Determination of Absolute Bioavailability of Taselisib in Human <i>Xiao Ding, Genentech</i> ▶ Bioanalytical Challenges and Strategies for Analysis of Unstable Small Molecules <i>Hongliang Jiang, Hua Zhong Sci Tech University</i> ▶ Addressing Matrix Effect Issues in Clinical Bioanalysis <i>Luke Bi, Covance</i>

Parallel Sessions Continued...



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Clinical & Pharmaceutical Solutions through Analysis

Where Technology and Personalized Medicine Meet



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Hosted by



University of Pittsburgh

Program Chair

Nathan Yates

University of Pittsburgh

Plenary Speaker

Andrey Bondarenko

InfoClinika

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May 19 - 20, 2016
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PROGRAM AGENDA

Thursday APRIL 21

1:30 PM - 3:00 PM

PARALLEL SESSIONS

<p>Track 3 Protein Biomarkers: Defining Industry Trends and Meeting Needs Through Technology <i>Rhine Ballroom</i></p>	<p>Track 4 Advances in New Technologies for Pharmaceutical Development <i>Danube Ballroom</i></p>
<p><i>Chairs: Nathan Yates, University of Pittsburgh and Gary Valaskovic, New Objective</i></p> <ul style="list-style-type: none"> ▶ Protein Subtyping for the Diagnosis of Amyloidosis <i>Sihe Wang, Cleveland Clinic</i> ▶ Is Urine a Better Biomarker Source than Blood? <i>Youhe Gao, Beijing Normal University</i> ▶ The Phoenix Center and National Proteomics Programs in China <i>Jun Qin, Beijing Proteome Research Center</i> 	<p><i>Chair: Qun Lu, Celgene</i></p> <ul style="list-style-type: none"> ▶ Solid Form Transformation During Pharmaceutical Processing <i>Lei Zhu, Merck</i> ▶ High Speed Chromatography to Expedite Pharmaceutical Development <i>Naijun Wu, Celgene</i> ▶ High Resolution Mass Spectrometry for Structure Elucidation of Impurity and Degradation Products in Pharmaceutical Industry <i>Wendy Zhong, Merck</i>

THURSDAY, APRIL 21



1st Annual Symposium on
Clinical & Pharmaceutical Solutions through Analysis
Cloud Platforms for Scientific Analysis

May 19 - 20, 2016 • Pittsburgh, PA USA

Program Chair
Nathan Yates
University of Pittsburgh

Plenary Speaker
Andrey Bondarenko
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Symposia • Roundtables • Analysis Trends • New Technology
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Where Technology and Personalized Healthcare Meet

PROGRAM AGENDA

Thursday APRIL 21

3:30 PM - 5:00 PM

PARALLEL SESSIONS TRACKS 5 - 8

<p>Track 5 Enabling Capabilities in Support of Drug Discovery and Development <i>Ballroom I</i></p>	<p>Track 6 <i>Changing World of Biomarkers in Drug Development</i> <i>Ballroom II</i></p>
<p><i>Chair: Min Liu, Merck</i></p> <ul style="list-style-type: none"> ▶ Enabling Capabilities in Drug Discovery <i>Petr Vachal, Merck</i> ▶ Small Molecule Research: The Present and the Future <i>Hong Sheng, Roche</i> ▶ Applications and Impact of Alternative Synthetic Technologies in Lilly Research Labs <i>Óscar de Frutos, Eli Lilly and Company</i> 	<p><i>Chair: Wenying Jian, Janssen and Naidong Weng, Janssen</i></p> <ul style="list-style-type: none"> ▶ An Overview of the Changing World of Biomarkers in Drug Development <i>Patrick Bennett, PPD</i> ▶ Crystal City VI Biomarker Meeting <i>Robert Dodge, Bristol-Myers Squibb</i> ▶ Biomarker Challenges and Innovative Approaches to Predict Clinical Outcomes <i>Jialin Mao, Genentech</i>
<p>Track 7 Young Scientist Excellence Award Session <i>Rhine Ballroom</i></p>	<p>Track 8 <i>Bioanalytical Application in Biosimilar Preclinical and Clinical Development</i> <i>Danube Ballroom</i></p>
<p><i>Chairs: Mingdan Wu, Wuxi AppTec and Jeff Zhang, Novartis</i> <i>Young Scientist Excellence Committee Members: Luke Bi, Covance; Joseph Bower, Covance; Xiao Ding, Genentech; Jonathan Josephs, Thermo Fisher Scientific; Fred Li, Hua Medicine; Min Liu, Merck; Qun Lu, Celgene; Marjoleen Nijssen, AbbVie; Suma Ramagiri, SCIEX; Jasminder Sahi, Sanofi; Gary Valaskovic, New Objective; Sihe Wang, Cleveland Clinic; Naidong Weng, Janssen; Tianyi Zhang, Frontage Laboratories; Sylvia Zhao, Novartis</i></p>	<p><i>Chairs: Xiao-Yan Cai, WuXi AppTec and Yi Du, HuaHai Pharmaceutical Co., Ltd.</i></p>

6:00 PM

Yangtze Ballroom

CPSA SOCIAL

Cocktails & Karaoke at CPSA

Sponsored by McKinley Scientific

Whether you like to command the stage or cheer from the audience, it's hard to have a forgettable time of karaoke. **Xiao-Yan Cai of Wuxi AppTec**, with her dance partner **Mike Lee**, will open the dance floor to begin the evening's festivities! Join colleagues and friends – old and new – to relax and unwind!

See Martin at McKinley Scientific booth to request your song!

PROGRAM AGENDA

Friday APRIL 22

7:30 AM	<p>Registration Open <i>Renaissance Shanghai Pudong 4th Floor Lobby</i></p>
8:30 AM – 9:15 AM	<p>PLENARY LECTURE Differential Mass Spectroscopy: Biomarker Discovery from Basic Research to the Clinic <i>Nathan Yates, University of Pittsburgh</i></p>
9:00 AM – 5:00 PM	<p>Poster Hall Open <i>Posters will be available all day today</i></p>
9:30 AM – 11:00 AM	<p>JOINT ADME/BA SYMPOSIUM & ROUNDTABLE Preparing For A Successful First Into Human (NBE Perspective) <i>Chairs: Jing Lin, Sunovion and Marjoleen Nijsen, AbbVie</i></p> <ul style="list-style-type: none"> ▶ Innovative Translational Modeling to Build Confidence in PoC <i>Marjoleen Nijsen, AbbVie</i> ▶ Translation of Preclinical In Vivo and In Vitro Data to Predict Clinical Exposures and Drug-Drug Interactions for a Novel NAMPT Inhibitor <i>Bianca Liederer, Genentech</i> ▶ Mechanism-Based PK/PD Modeling in Drug Development <i>Sylvia Zhao, Novartis</i>
11:00 AM - 2:00 PM	<p>CPSA SHANGHAI EXPO - WHERE TECHNOLOGY AND SOLUTIONS MEET! <i>Meet and mingle with vendors offering the latest in technology and services</i></p>
11:30 AM - 12:30 PM	<p>POSTER SESSION / YOUNG SCIENTIST EXCELLENCE AWARD REVIEW <i>Chairs: Mingdan Wu, Wuxi AppTec and Jeff Zhang, Novartis</i> <i>Young Scientist Excellence Committee Members: Luke Bi, Covance; Joseph Bower, Covance; Xiao Ding, Genentech; Jonathan Josephs, Thermo Fisher Scientific; Fred Li, Hua Medicine; Min Liu, Merck; Qun Lu, Celgene; Marjoleen Nijsen, AbbVie; Suma Ramagiri, SCIEX; Jasminder Sahi, Sanofi; Gary Valaskovic, New Objective; Sihe Wang, Cleveland Clinic; Naidong Weng, Janssen; Tianyi Zhang, Frontage Laboratories; Sylvia Zhao, Novartis</i></p>
12:00 PM - 1:00 PM	<p>LUNCH & LEARN WORKSHOPS</p> <p>Ballroom I</p> <p>Defining Needs and Solutions to Enable Success with High-Performance Mass Spectrometry <i>Nathan Yates, University of Pittsburgh; Naidong Weng, Janssen R&D; Gary Valaskovic, New Objective</i> Sponsored by New Objective</p> <p>Ballroom II</p> <p>Advances in Blood Collection and Plasma Preparation for Clinical Trials <i>Timothy Schlabach, Novilytic</i> Sponsored by Novilytic</p>

PROGRAM AGENDA

Friday APRIL 22

1:30 PM - 3:00 PM

PARALLEL SESSIONS TRACKS 9 - 12

<p>Track 9 Prediction of Clinical Dose <i>Ballroom I</i></p> <p><i>Chairs: George Liu, Novartis and Jiansong Yang, MOSIM</i></p> <ul style="list-style-type: none"> ▶ Dosing in Children: Prediction and Optimization <i>Wei Zhao, Shandong University</i> ▶ Ethnic Differences and Precise Medicine in Clinical Drug Development and Medical Practice <i>Charles Xie, Boehringer Ingelheim</i> ▶ A Systems Pharmacology Model for Predicting Effects of Factor Xa Inhibitor in Healthy Subjects: Assessment of PK and Binding Kinetics <i>Xuan Zhou, Novartis</i> 	<p>Track 10 Biomolecule Bioanalysis <i>Ballroom II</i></p> <p><i>Chairs: Eric Liang, Novartis and Dongbei Li, WuXi AppTec</i></p> <ul style="list-style-type: none"> ▶ Important Considerations and Case Studies for Anti-Drug Antibody Assay Development <i>Dongbei Li, WuXi AppTec Bioanalytical Services</i> ▶ Large Molecule Quantification by LC-MS and Case Studies <i>Tianyi "Tee" Zhang, Frontage</i> ▶ Analytical Considerations for Bi-Specific Antibodies and Antibody Drug Conjugates <i>James Munday, Covance</i>
<p>Track 11 Protein Biomarkers and Proteomic Quantification: Addressing Needs from Pharmaceuticals to Clinical Application <i>Rhine Ballroom</i></p> <p><i>Chairs: Nathan Yates, University of Pittsburgh and Gary Valaskovic, New Objective</i></p> <ul style="list-style-type: none"> ▶ Bioanalytical Strategies for Serum Apolipoprotein A-1: A Biomarker for Cardiovascular Disease Risk <i>Wenyang Jian, Janssen Pharmaceutical Research and Development and Ian A. Blair, University of Pennsylvania</i> ▶ Technological Advancements to Decode Complex Biomarker Analysis and its Contribution to Drug Discovery & Development <i>Hua-Fen Liu, SCIEX</i> ▶ TBA <i>Catherine Wong, National Center for Protein Science</i> ▶ The Use of High Resolution Accurate Mass (HRAM) to Maximize Selectivity in Quantitative Analysis <i>Jonathan Josephs, Thermo Fisher Scientific</i> 	<p>Track 12 Pharmaceutical Development <i>Danube Ballroom</i></p> <p><i>Chairs: Deepak Hegde, GlaxoSmithKline and Fred Li, Hua Medicine</i></p> <ul style="list-style-type: none"> ▶ Preformulation – Key to efficient and effective formulation design <i>Feng Tao, Zai Lab</i> ▶ Drug Substance (API) for Early Drug Development <i>Jun Lu, GlaxoSmithKline R&D</i> ▶ Formulation Selection Matrix in Early Clinical Development <i>Anand Kulkarni, Bioduro</i>

FRIDAY, APRIL 22

PROGRAM AGENDA

Friday APRIL 22

3:30 PM - 5:00 PM

PARALLEL SESSIONS TRACKS 13 - 16

<p>Track 13 Quantitative System Pharmacology</p> <p><i>Ballroom I</i></p> <p><i>Chairs: Valeriu Damian, GlaxoSmithKline and Peiming Ma, GlaxoSmithKline</i></p> <ul style="list-style-type: none"> ▶ Application of QSP Modeling to Support Drug Development Projects <i>Oleg Demin, Institute for Systems Biology Moscow</i> ▶ Mechanistic Physiological PhysioPD™ Models in Drug Development: A Proven Quantitative Systems Pharmacology (QSP) Approach <i>Ananth Kadambi, Rosa & Co. LLC</i> ▶ Practical Applications of DILSym, A Simulation Tool for Drug-Induced Liver Injury <i>Brett Howell, DILSym Services, Inc.</i> 	<p>Track 14 Challenges and Opportunities for Biomarkers in Scientific Space</p> <p><i>Ballroom II</i></p> <p><i>Chairs: Wenying Jian, Janssen and Naidong Weng, Janssen</i></p> <ul style="list-style-type: none"> ▶ Metabolomics in the Search for Pancreatic Cancer Biomarkers <i>Huichang Bi, Sun Yat-sen University</i> ▶ Advanced Technology for Mass Spectrometry Based Small Molecule Biomarker Quantitation <i>Allan Xu, Keystone Bioanalytical</i> ▶ Quantification of 14 Bile Acids Using UHPLC-HRAM <i>Min Meng, Covance</i>
<p>Track 15 Innovator Award Session</p> <p><i>Rhine Ballroom</i></p> <p><i>Innovator Award Committee: Robert Dodge, Bristol-Myers Squibb; Yi Du, HuaHai Pharmaceutical Co., Ltd.; Xianyu Jiang, WuXi; Wenzhe Lu, Roche; Yi-Min She, Shanghai Center for Plant Stress Biology</i></p>	<p>Track 16 Scientific Validation</p> <p><i>Danube Ballroom</i></p> <p><i>Chairs: Philip Timmerman, Janssen Research & Development</i></p> <ul style="list-style-type: none"> ▶ The Principles of Tiered Approach and Scientific Validation: History and EBF Recommendation <i>Philip Timmerman, Janssen Research & Development on behalf of the EBF</i> ▶ Bioanalytical Support of Early Development Studies at WuXi: A Perspective <i>Xinping Fang, WuXi AppTec</i> ▶ Perspective on Translating Tiered Approach and Science Validation into LBA <i>Joseph Bower, Covance</i> <p><i>Panel Discussion</i></p>

FRIDAY, APRIL 22

PROGRAM AGENDA

Friday APRIL 22

5:00 PM – 7:30 PM

Ballroom I & II

CPSA SHANGHAI CLOSING GALA

Dinner, Awards and Celebration

Sponsor's Toast

Program Chair Recognition

Mike Lee, Milestone Development Services

CPSA Shanghai 2016 – Program Chair Announcement

Kelly Dong, GlaxoSmithKline

Innovator Award Presentation

Innovator Award Committee: Robert Dodge, Bristol-Myers Squibb; Yi Du, HuaHai Pharmaceutical Co., Ltd.; Xianyu Jiang, WuXi; Wenzhe Lu, Roche; Yi-Min She, Shanghai Center for Plant Stress Biology

Young Scientist Excellence Award Presentation

Chairs: Mingdan Wu, Wuxi AppTec and Jeff Zhang, Novartis

FRIDAY, APRIL 22

3rd Annual Symposium on Clinical & Pharmaceutical Solutions through Analysis



Pharmaceutical Innovation: Collaborating from Bench to Bedside

August 3 - 5, 2015 • São Paulo, Brazil

Plenary Speaker

Peter van Amsterdam
Abbot Healthcare Products B.V.

Program Chair

Carlos Kiffer
GC2

Plenary Speaker

Thiago Mares Guia
Bionovis

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Timothy Garrett
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Plenary Speaker
Scott Biller
Agios Pharmaceuticals

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