

FINAL PROGRAM AGENDA

Jin Jiang Hotel, Shanghai, China
April 7 – 9, 2010

CPSA
SHANGHAI
2010

The CPSA Shanghai symposia and roundtables are highly interactive events where scientists share their experiences and visions in a collegial setting. The program will highlight speakers and sessions that provide real-world experiences with new technologies and critical insights into current issues and future needs. Education and specialized training are the foundation of all CPSA events.

Each session at CPSA Shanghai will address the current industrial landscape and the global need to bring products to market faster. The program chairs will promote discussion and exchange of experiences, ideas, and visions so that current processes that involve analytical measurement can be benchmarked and future strategies may be developed.

Wednesday, April 7

1:30 pm – 4:30 pm **Short Courses – Jin Jiang Hotel**

LC-MS/MS Applications in Support of ADME and PK/TK Studies
Lucy Xu, Novartis, Shanghai, China

Absolute Quantification of Peptides and Proteins: From Sample Preparation and Chromatography to ESI-MS/MS
Nalini Sadagopan, Agilent Technologies; Gary Valaskovic, New Objective

Recent Developments in Separation Sciences for Pharmaceutical Analysis
Roman Szucs, Pfizer; Gang Xue, Pfizer

5:30 pm – 7:30 pm **Pre-Event Dinner Reception and Registration – Jin Jiang Hotel**

This is AB SCIEX – A New Company, Rich in History
Gary Impey, AB SCIEX

New Advances in CYP Drug Interaction Assays Based on Small Molecule and Protein Analysis
Hua-fen Liu, AB SCIEX

Is There a Single LC/MS Platform Suitable for all Discovery DMPK Studies?
Mingshe Zhu, Bristol-Myers Squibb

continued

Thursday, April 8

- 7:30 am – 8:30 am Registration and Continental Breakfast
- 8:30 am – 8:40 am Welcome
Mike S. Lee, Milestone Development Services
- 8:40 am – 9:00 am Objectives, Format, and Opening Remarks
Yining Zhao, Pfizer
- 9:00 am – 10:00 am Plenary Lecture
Challenges and Opportunities of Pharmaceutical Regulatory Environment for Analytical Sciences - An Industrial Perspective
Charles C. Tong, Global CMC, Pfizer, Inc.
George Reid, Analytical R&D, Pfizer, Inc.
- 10:00 am – 10:30 am Break/Roundtables
- 10:30 am – 11:45 am From Data to Knowledge: ADME Data Integration in Drug Discovery
Discussion Leader: Haojing Rong, Pfizer
- When ADME Meets Potency - It's All About the Dose
Haojing Rong, Pfizer
- The Use of ADME/PK Information in Lead Optimization and Drug Candidate Selection
Frank Lee, Millennium Pharmaceuticals
- Strategies and Experiences in DMPK Support of Drug Discovery at China R&D Center
Jeff Zhang, Novartis Institutes for Biomedical Research Co., Ltd.
- 11:45 am – 12:15 pm Break/Roundtables
- 12:15 pm – 1:30 pm Complimentary Lunch/Roundtables
- 1:30 pm – 2:45 pm Strategic Measurement and Utility of Biomarkers in the Drug Development Continuum
Discussion Leader: Nalini Sadagopan, Agilent Technologies
- Optimizing Peptide Quantitation in Drug Discovery
Christine Miller, Agilent Technologies
- Integrating Data to Generate Knowledge for Drug Discovery: A Role for PK-PD and Translational Research
Paolo Vicini, Pfizer
- Use of Biomarkers in Proof of Concept Trials
Thomas Evans, Novartis
- 2:45 pm – 3:15 pm Break/Roundtables
- 3:15 pm – 4:30 pm Computational Tools in Support of Analytical Chemistry
Discussion Leader: Roman Szucs, Pfizer
- In-Silico Tools for Method Chromatographic Method Development

Roman Szucs, Pfizer

Automated Peak Tracking in Orthogonal Chromatography

Gang Xue, Pfizer

Computational Tools in Material Sciences

Neil Feeder, Pfizer

4:30 pm – 5:00 pm Break/Roundtables

5:00 pm – 6:15 pm Future Direction for Bioanalysis

Discussion Leader: Jing-Tao Wu, Millennium Pharmaceuticals

Bioanalysis Beyond ADME: From Systemic Exposure to Active Drug at the Target

Jing-Tao Wu, Millennium Pharmaceuticals

Free Concentration Determination in Intact Tissue

Mark Qian, Millennium Pharmaceuticals

Integrating DMPK with Biology for CNS Drug Discovery

Eric Yang, GlaxoSmithKline

6:15 pm – 8:00 pm Keynote Dinner Lecture

Chip-Based Technology to Enable Biomarker Analysis

John Fjeldsted, Agilent Technologies

Friday, April 9

7:30 am – 8:30 am Registration and Continental Breakfast (University Ballroom Foyer)

8:30 am – 9:30 am Plenary Lecture

DMPK in Drug Discovery and Development

Li Hua, The Academy of Military Medical Science

9:30 am – 10:00 am Break/Roundtables

10:00 am – 11:30 pm Leveraging Chinese Research Capabilities to Enable Pharma R&D

Discussion Leader: Todd A. Gillespie, Eli Lilly and Company

Methodology and Technology for Drug Discovery from Traditional

Chinese Medicine (TCM)

Xinmiao Liang, Dalian Institute of Chemical Physics

Utilization of Synthetic & Characterization Capabilities to Enable

Commercial CMC Strategy

Todd A. Gillespie, Eli Lilly and Company

Analytical Research Alliances – A Case Study of Collaboration Between Pfizer
and Chinese Academic Laboratories

*Jian Wang, Gang Xue, Klaus Rumpel, Yining Zhao, and Roman Szucs, Pfizer Global
R & D, Pfizer Inc.; Pat Sandra, PARC, University of Ghent, Belgium; Qun Gu, Qin
Li, and Guowang Xu, Dalian Institute of Chemical Physics, Chinese Academy of
Sciences, China*

11:30 pm – 12:45 pm Complimentary Lunch/Roundtables

- 12:45 pm – 2:00 pm Early CMC Development in China
Discussion Leader: Brian Winger, Eli Lilly and Company
Early CMC Development in China to Enable Phase I Clinical Trials
Brian Winger, Eli Lilly and Company
CMC development strategies at WuXi – Now and Future
Youxiang Gong, WuXi AppTec
Bridging Research and Development – Fast to PoC
Nick Zhang, Novartis
- 2:00 pm – 2:30 pm Break/Roundtables
- 2:30 pm – 4:00 pm Advanced Technologies in LC-MS
Discussion Leader: Tim Schlabach, Agilent Technologies
The Use of Dried Blood Spot Samples in Drug Development
Chris Evans, GlaxoSmithKline
High Throughput ADME Profiling
Angela Wong, WuXi AppTec
Nano Flow Technology and Its Application in Drug Metabolism Studies
Lucy Xu, Novartis, Shanghai, China
Will Mass Spectrometry Replace the Plate Reader? The Emerging Role of High-Throughput MS in Drug Discovery
Can Ozbal, BIOCIUS Life Sciences, Inc.
- 3:45 pm – 4:00 pm Wrap Up & Adjourn
Mike S. Lee, Milestone Development Services
Yining Zhao, Pfizer
- 4:00 pm – 6:00 pm Post-Event Workshops

Good Bioanalytical Science in Drug Development
Discussion Leaders: Daniel Tang, Frontage Laboratories
Naidong Weng, Johnson & Johnson

Chiral Separations and Analysis of Pharmaceuticals
Discussion Leaders: Xiaoyi Gong, Merck Research Laboratories
Jerry Wang, Agela Technologies
Eugene Zhao, Welch Materials

New Technologies and Novel Applications
Discussion Leaders: Masayuki Nishimura and Fan Xiang, Shimadzu
William Shi, Esensing Analytical Technology
Jian Wang, Bristol-Myers Squibb