5TH ANNUAL SYMPOSIUM
Clinical & Pharmaceutical Solutions Through Analysis

CPSA
SHANGHAI
2014

The New Era of Personalized Medicine:
Innovative Approaches for Drug Discovery and Development

April 16 - 19, 2014
Renaissance Shanghai Pudong Hotel
Shanghai

Where Technology and Solutions Meet
Where East Meets West
AB SCIEX公司是质谱，液相色谱和毛细管电泳等技术领域的全球领导者，全新推出的液相质谱联用和毛细管电泳质谱联用技术已经成为复杂生物药物定性/定量分析的重要手段，为生物制药企业提供从研发到质控的完整分析平台，帮助企业充分实现QbD（Quality by Design）理念。

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Dear Colleague:

On behalf of the organizing committee and our sponsors, we welcome you to the 5th Annual Shanghai Symposium on Clinical & Pharmaceutical Solutions through Analysis (CPSA Shanghai 2014). It is a great 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. At CPSA Shanghai 2014, 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.

Certainly, the sessions and events reflect the theme of this year's annual meeting “The New Era of Personalized Medicine: Innovative Approaches for Drug Discovery and Development.” Traditions – universal for CPSA events worldwide – continue in Shanghai as pre/post-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.

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 2014 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!

Sincerely,

Mike S. Lee, Ph.D., Founder CPSA

Jeff Zhang Ph.D., CPSA Shanghai 2014 Program Chair
ORGANIZING COMMITTEE

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Shanghai, China

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Catherine CL Wong
National Center for Protein Science
Shanghai, China

John Yates
The Scripps Institute
La Jolla, CA USA

Hongshi Yu
Wuxi AppTec
Shanghai, China

Kate Yu
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Jenny Zheng
Janssen
Shanghai, China

Dafang Zhong
Shanghai Institute of Materia Medica
Shanghai, China

Shaolian Zhou
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McKinley Scientific
Sparta, NJ USA

Communications & Media
Carla Marshall-Waggett
New Objective
Woburn, MA USA

Management & Correspondence
Mike Lee
Milestone Development Services
Newtown, PA USA
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.

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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 2015!
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. Note that the joint meeting on Saturday with local area discussion groups will be held at the Shanghai Institute for Materia Medica.

### 4th Floor

#### EXPO HOURS

The CPSA Shanghai 2014 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

<table>
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<tr>
<th>Booth#</th>
<th>Company</th>
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<td>AB SCIEX</td>
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<td>NIKYANG Enterprise Ltd.</td>
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<td>Thermo Scientific</td>
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<td>Waters Corporation</td>
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**FOR EXHIBITORS**

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

Wednesday  April 16

10:00 AM  Registration Open
Renaissance Shanghai Pudong 4th Floor Lobby

1:00 PM - 4:00 PM  WORKSHOP
Ballroom I & II
ADME Assays and Human Pharmacokinetic Projection
Metabolic Stability and Drug Interaction Assays
Chairs: Liangfu Chen, GlaxoSmithKline; Weiqing Chen, ChemPartner

Case Studies in Metabolite Identification by Triple-TOF
Kerong Zhang, AB SCIEX

Transporter Assays in Drug Discovery and Development
Liangfu Chen, GlaxoSmithKline

Human Pharmacokinetics (PK) and Dose Projection
Cheng Chang, Pfizer

5:00 PM - 6:00 PM  EXECUTIVE ROUNDTABLE
Ballroom I & II
Development of Personalized Medicine - Opportunities and Challenges
Moderator: Jeff Zhang, Novartis

Discussion Panel:
Patrick Bennett  Executive Director Biomarker Operations, PPD
Honggang Bi  General Manager, Covance China
Stephen Clarke  Head Drug Metabolism and Pharmacokinetics, GlaxoSmithKline
Cornelis Hop  Senior Director Drug Metabolism and Pharmacokinetics, Genentech
Hua-fen Liu  Director of Application Support, AB SCIEX
Bin Peng  Executive Director and Global Head of Oncology Translational Medicine
China, Novartis
Wei Tang  Vice President and Head of DMPK, ChemPartner

Personalized medicine aims to deliver the right drug to a right patient at the right time. It offers unique opportunities to integrate new technologies and concepts to disease prognosis, diagnosis and therapeutics. Over the past several years, there has been continuing interest in the research and development of personalized medicine in pharmaceutical industry. In this roundtable, we have invited executives from pharma, contract research organizations and instrument companies to lead a discussion on the current trends and strategy for personalized medicine R&D as well as the role they could play.
Where East Meets West
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2014

6:00 PM - 9:00 PM RECEPTION & SPONSOR’S DINNER
Lobby & Ballroom I & II

Hosted by Thermo Scientific

Program

Mass Spec Immunoassay Method for the High Sensitive Quantification and Qualification of Protein Drugs
Urban Kiernan, Business Development Manager, Thermo Fisher Scientific

The measurement of insulin has been identified as a paramount metric for specific clinical research, and therapeutic development applications. Conventional insulin assays are plagued by the simple inability to differentiate endogenous from synthetic insulin analogs. While LC-MS has demonstrated the ability to overcome this shortcoming, these methods have lacked the sensitivity demanded by the field. Complicated by the presence of high plasma background, highly selective sample interface workflows are required for proper LC-MS detection/quantitation. In order to satisfy all the listed capabilities, a Mass Spectrometric Immunoassay (MSIA) method was developed for the high-throughput, highly sensitive quantification of insulin and its analogs from human plasma.

SPONSOR’S RECEPTION & DINNER
WEDNESDAY 6:00 PM

Celebrate the opening of this year’s CPSA Shanghai at the gala Sponsor’s Reception and Dinner!

A CPSA Shanghai Tradition!

Generously hosted once again by Thermo Scientific.

Enjoy dinner and cocktails while hearing about the latest advances in the quantification and qualification of protein drugs from Urban Kiernan of Thermo Scientific

Welcome to CPSA Shanghai 2014!
PROGRAM AGENDA

Thursday  April 17

7:30 AM  REGISTRATION OPEN

8:30 AM – 9:00 AM  OPENING REMARKS

Ballrooms I & II

Welcome
Mike Lee, Milestone Development Services

Objectives, Format, and Opening Remarks
Jeff Zhang, Novartis - Program Chair

9:00 AM - 9:45 AM  PLENARY LECTURE

Ballrooms I & II

Human First Metabolism
Stephen Clarke
Head of Drug Metabolism & Pharmacokinetics
GlaxoSmithKline

9:00 AM – 5:00 PM  POSTER HALL OPEN

Yangtze Ballroom

Sponsored by Agilent Technologies

Posters will be available all day today and Friday

10:15 AM – 11:45 AM  JOINT ADME/BA SYMPOSIUM & ROUNDTABLE

Ballrooms I & II

The World of Antibody-Drug Conjugates: Bioanalytical and PK/PD Challenges
Chairs: Young Shin, Chungnam National University and Alicia Du, ChemPartner

▶ Delineating ADC ADME: Challenges and Impact on ADC Development
   Ben Shen, Genentech

▶ Challenges and Solutions in Large Molecule Quantification using LC-MS/MS (LM by LCMS): “A Hot Topic in Regulated Preclinical and Clinical Bioanalysis”
   Fabio Garofolo, Algorithme Pharma

▶ Model Based Development of Antibody Drug Conjugates
   Dhaval Shah, University of Buffalo

11:00 AM - 2:00 PM  CPSA SHANGHAI EXPO - WHERE TECHNOLOGY AND SOLUTIONS MEET!

Lobby

Chairs: Kelly Dong, GlaxoSmithKline; Shaolin Zhou, Novartis

11:30 AM - 12:30 PM  POSTER SESSION / YOUNG SCIENTIST EXCELLENCE AWARD REVIEW

Yangtze Ballroom

Sponsored by Waters Corporation

Co-Chairs: Liangfu Chen, GlaxoSmithKline; Jenny Zheng, Janssen
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- 超高灵敏度Xevo TQ-S质谱仪，轻松应对各种挑战
- 基于ORACLE数据库设计软件，极好的满足法规依从性
- 自动MRM方法开发，专属肽碎片离子判断(8/9离子)，多肽方法开发不再盲目

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Speedy： 1分钟发布，1天内您的客户全知道，助您快速传播最新资讯
Accurate： 无论是电子直邮、客户通讯，还是网络研讨会、用户调查，基于细分数据库的灵活运用，帮您把握精准的客户需求信息
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- DDI (CYP inhibition/induction)
- In vitro Met ID
- Solubility and Log D

### Metabolic Stability (T1/2) of reference compounds after incubation in liver microsomes

<table>
<thead>
<tr>
<th>Compound</th>
<th>RLM</th>
<th>HLM</th>
<th>DLM</th>
<th>MnKLM</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ketanserin</td>
<td>24.6 ± 1.9 (10)</td>
<td>24.0 ± 2.0 (11)</td>
<td>8.1 ± 0.2 (12)</td>
<td>4.1 ± 0.3 (13)</td>
</tr>
<tr>
<td>Testosterone</td>
<td>4.2 ± 0.2 (1)</td>
<td>4.1 ± 0.2 (1)</td>
<td>1.6 ± 0.2 (2)</td>
<td>2.1 ± 0.3 (1)</td>
</tr>
</tbody>
</table>

### GLP and Non-GLP Bio-analytical Support

**Services:**
- Quantitative bioanalysis
- Parent, metabolite, and dosing solution bioanalysis
- N in 1 bioanalysis supporting PK, PK/PD, in vitro ADME study;
- Matrices: biological fluids (plasma, serum, whole blood, bile, urine, CSF) and Tissues (brain, liver, lung, heart, muscle, kidney etc)
- Bioanalysis for challenged analytes (endogenous biomarker, polar analytes, prodrug, and poly-peptide etc.)

**Instrumentation:**
- API 4000 LC-MS/MS for GLP and validated software, IQ/OQ/PQ:
  - Rodent Toxicology Study
  - In vivo
  - Instrumentation:
    - API 4000 LC-MS/MS for GLP and validated software, real-time temperature recording, out-of-range alarm system
  - Balances/microbalance: IQ/OQ/PQ.

**Toxicology**

**In vivo Study**
- Genotoxic Assays
  - Ames test, MN test, Chromosome aberration
- Cardiac Toxicity
  - NERG Screening (QPatch-16)
- Cytotoxicity
  - ATP depletion, LDH and MTT assay
- Hepatotoxicity
  - Hepatocyte cell viability (LDH, ALT)
- Mitochondria toxicity
- Steatosis and phospholipidosis
- Molecular Toxicity

**In vitro Study**
- Rodent Toxicology Study
- Large Animal Toxicology facility
- Toxicokinetics
- Cardiovascular Safety in Guinea Pigs and Dogs

**ADME study;**
- Inter species comparison of clozapine (RLM&HLM)
PROGRAM AGENDA

Thursday  April 17

12:00 PM - 1:00 PM  LUNCH & LEARN WORKSHOPS

**Ballroom I**

Mass Spectrometry Technology Research and Innovation in Shanghai
*Sponsored by McKinley Scientific*

- The Structure and Performance of Some New Ion Trap Mass Analyzer
  
  ChuanFan Ding, Fudan University

- Development of Fast Screening Ionization Source and Digital Ion Trap with the Perspectives in Personal Medicine
  
  Wenjian Sun, Shimadzu

**Ballroom II**

Addressing Analytical Challenges in the Characterization & QC of Biologics, Biosimilars and Antibody Drug Conjugates
*Sponsored by Agilent Technologies*

Gurmil Gendeh, Agilent Technologies

1:30 PM - 3:00 PM  PARALLEL SYMPOSIA & ROUNDTABLES

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<tr>
<th>Traditional Chinese Medicine and Natural Product Research</th>
<th>Challenges and Opportunities of Bioanalysis in China <em>(Roundtable Discussion)</em></th>
<th>Moving Towards Next Generation Development</th>
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<tbody>
<tr>
<td><strong>Ballroom I</strong></td>
<td><strong>Ballroom II</strong></td>
<td><strong>Rhine Ballroom</strong></td>
</tr>
</tbody>
</table>

- Pharmacokinetics and Disposition of Tanshinol and Associated Herb-drug Interaction Potential
  
  Chuan Li, Shanghai Institute of Materia Medica, CAS, Shanghai

- In Vivo Metabolic Characteristics of Alkaloids in Natural Product
  
  Yan Wang, Institute of Materia Medica, CAMS, Beijing

- The Rationale of Herbal Combinations: How to Tackle the DDI’s from ADMET Perspectives
  
  Guoyu Pan, Shanghai Institute of Materia Medica

- Panelists:
  
  Kelly Dong, GlaxoSmithKline
  
  Tee Zhang, Frontage Laboratories;
  
  Alicia Du, ChemPartner
  
  Philip Timmerman, Janssen
  
  Hisanori Hara, Novartis

- Chairs: Alicia Du, ChemPartner and Philip Timmerman, Janssen Pharmaceuticals

- Chairs: Chuan Li, Shanghai Institute of Materia Medica and Yang Sai, Hutchison MediPharma

- Chairs: Todd Gillespie, Eli Lilly and Company and Chao-Pin Lee, GlaxoSmithKline

- Translational Systems Medicine Enabling Patient Centric Drug Development
  
  Thomas Keller, GlaxoSmithKline

- Application of the Quality-by-Design Principals in Early Pharmaceutical Development
  
  Qun Lu, Celgene

- The Role and Advantages of Open Access LC/MS In Support of Recombinant Protein Drug Development
  
  Gurmil Gendeh, Agilent Technologies
### PROGRAM AGENDA

**Thursday** April 17

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<th>3:30 PM - 5:00 PM</th>
<th>PARALLEL SYMPOSIA &amp; ROUNDTABLES</th>
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<tr>
<td><strong>Ballroom I</strong></td>
<td><strong>Ballroom II</strong></td>
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<tr>
<td>The Clinical and Regulatory Significance of In Vitro and Clinical Transporter Studies</td>
<td>Bioanalysis of Chinese Medicine</td>
</tr>
<tr>
<td>Chairs: Marcel Hop, Genentech and Liangfu Chen, GlaxoSmithKline</td>
<td>Chairs: Dafang Zhong, Shanghai Institute of Materia Medica and Kate Yu, Waters</td>
</tr>
<tr>
<td>▶ Drug Transporters, Drug Interactions and Drug Agency Review of Dolutegravir: A Case Study Review and Lessons Learned Joe Polli, GlaxoSmithKline</td>
<td>▶ Simultaneous Determination of Five Active Components of Radix Isatidis in Rat Serum by LC-MS/MS Haiyan Xu, Shenyang Pharmaceutical University</td>
</tr>
<tr>
<td>▶ Predicting Clinical Relevance of Drug Transporters in Drug Discovery Marcel Hop, Genentech</td>
<td>▶ Simultaneous Determination of Butyl Phthalide and Four Metabolites in Human Plasma by LC-MS/MS Xingxing Diao, Shanghai Institute of Materia Medica</td>
</tr>
<tr>
<td>▶ Understanding Transporter DDI: Regulatory Stance and Industry Case Studies Mingxiang Liao, Takeda</td>
<td>▶ Quantification of Two Major Bioactive Saponins of Lysimachia Capillipes in Rat Plasma by LC-MS/ MS and its Application to a PK Study Hongliang Jiang, Huazhong University of Science and Technology</td>
</tr>
<tr>
<td>▶ Clinical Herb-Drug Interactions: Reassessing the Variability of Biological System Specific Properties Ling Yang, Dalian Institute of Chemical Physics</td>
<td></td>
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</table>

*Where Technology and Solutions Meet*
THURSDAY, APRIL 17  

CPSA SHANGHAI DISTINGUISHED LECTURE SERIES

Ballrooms I & II

Sponsored by AB SCIEX

Distinguished Lectures

- The Use of LC/MSMS for the Bioanalysis of Complex Antibody Drug Conjugates (ADC)
  - Suma Ramagiri
  - AB SCIEX Global Technical Marketing Manager
  - Quantitation and Metabolism

6:00 PM – 9:00 PM

EVENING SOCIAL  Offsite  Hosted and Sponsored by AB SCIEX

An Evening at ERA Shanghai: Intersection of Time

A must-see in Shanghai, ERA Shanghai a stunning acrobatic show combining traditional Chinese arts and modern technologies. The performers present Chinese acrobatics, martial arts and dance perfectly in harmony with music, sound, lighting, and other special effects, including a spectacular water screen.

The story of China’s evolution from its ancient past to the future is told. Hence, the title ‘Intersection of Time’, as the viewpoint of the audience is set in the present between the past and the future.

For passes and event information, visit the AB SCIEX table.

More information is available at the AB SCIEX table.
PROGRAM AGENDA

Friday  April 18

7:30 AM  REGISTRATION OPEN

8:30 AM – 9:15 AM  PLENARY LECTURE

Ballrooms I & II  Exploring Diseases using Proteomics
John Yates
The Scripps Institute

9:00 AM – 5:00 PM  POSTER HALL OPEN

Yangtze Ballroom  Sponsored by Agilent Technologies
Posters will be available all day today

9:30 AM – 11:00 AM  JOINT ADME/BA SYMPOSIUM & ROUNDTABLE

Ballrooms I & II  Translational Biomarkers for Accelerating Drug Development: Bioanalytical and Emerging Applications
Chairs: Haojing Rong, Pfizer and Naidong Weng, Janssen Pharmaceuticals

► Pk/Biomarker/Efficacy Relationship of Anti-GDF8 mAb for Efficacious Dose Projection in Humans
Haojing Rong, Pfizer

► Protein and SM Biomarker Quantification
Naidong Weng, Janssen Pharmaceuticals

► Small Molecule Biomarker Quantitation
Xiaorong Liang, Genetech

11:00 AM - 2:00 PM  CPSA SHANGHAI EXPO - WHERE TECHNOLOGY AND SOLUTIONS MEET!

Lobby  Chairs: Kelly Dong, GlaxoSmithKline; Shaolin Zhou, Novartis

11:30 AM - 12:30 PM  POSTER SESSION / YOUNG SCIENTIST EXCELLENCE AWARD REVIEW

Yangtze Ballroom  Sponsored by Waters Corporation
Co-Chairs: Liangfu Chen, GlaxoSmithKline; Jenny Zheng, Janssen
12:00 PM - 1:00 PM  
**LUNCH & LEARN WORKSHOPS**

*Ballroom I*
Combining very high resolution accurate mass with customizable workflows: A human metabolism case study  
*Sponsored by Thermo Scientific*  
*Timothy Stratton, Thermo Scientific*

*Ballroom II*
What’s Your Spray DNA™  
*Sponsored by New Objective*  
*Gary Valaskovic, New Objective*

1:30 PM - 3:00 PM  
**PARALLEL SYMPOSIA & ROUNDTABLES**

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<th>Ballroom I</th>
<th>Ballroom II</th>
<th>Rhine Ballroom</th>
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<tr>
<td>Pharmacokinetics in Chinese Populations: Ethnic Differences and Global Clinical Trial Strategies</td>
<td>New Technology</td>
<td>Applications of Protein and Peptide Biomarkers from Research to Development</td>
</tr>
<tr>
<td>Chairs: Jenny Zheng, Janssen Pharmaceuticals and Jun Shi, Roche</td>
<td>Chairs: Shaolian Zhou, Novartis and Chad Briscoe, PRA International</td>
<td>Chair: Catherine CL Wong, National Center for Protein Science</td>
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</tbody>
</table>
| Ethnic Sensitivity Assessment in Drug Development: Introduction of Roche-PUMCH Clinical Pharmacology Fellowship Jun Shi, Roche | Automation of Bioanalysis in PK Studies  
Professor Yin Zheng, Nankai University | Quantification of Active and Inactive Biomarkers in Blood with Absolute Molecular Specificity  
Nathan Yates, University of Pittsburgh |
| Dealing with Ethnic Differences in Clinical Development Peiming Ma, GlaxoSmithKline | Opportunities and Challenges of Using HRMS in Regulated Bioanalysis  
Mike Huang, Janssen Pharmaceuticals | Discovery and Targeted Proteomics to Study Transplant Rejection  
John Yates, The Scripps Research Institute |
| Population Pharmacokinetics of Mycophenolic Acid and Its Main Glucuronide Metabolite: Comparison Between Chinese and Caucasian Healthy Subjects Administered with Mycophenolate Mofetil Zheng Jiao, Fudan University | Dried Blood Spots  
Tee Zhang, Frontage Laboratories | Technology Development of Proteomic Reactor and its Application in Biomarker Discovery  
Hu Zhou, Shanghai Institute of Materia Medica |
PROGRAM AGENDA

Friday April 18

3:30 PM - 5:00 PM SYMPOSIA & ROUNDTABLES

| Working with CROs in China: Opportunities, Challenges, and Lessons Learned | MS and Bioanalysis: Diagnostics and Hospitals |
|Ballroom I | Ballroom II |
| Chairs: Rick Connell, Pfizer and Hongshi Yu, WuXi AppTec | Chairs: Patrick Bennett, PPD; Shuijun Li, Xuhui Hospital |
| ▶ Introduction and Context to the Session | ▶ Application of LC-MS in Clinical Laboratory Testing |
| Rick Connell, Pfizer | Sihe Wang, Cleveland Clinic |
| ▶ DMPK Outsourcing to China: A CRO’s Perspective | ▶ Human Endogenous Steroids Analysis in Clinical Reference |
| Hongshi Yu, WuXi AppTec | Hua-Fen Liu, AB SCIEX |
| ▶ Sourcing for Success | ▶ 25-hydroxyvitamin D: Clinical Significance, Measurement, and Method Comparison |
| Jonathan Connick, Merck | Shuijun Li, Xuhui Hospital |
| ▶ Panel Discussion | |
| Rick Connell, Pfizer; Hongshi Yu, WuXi AppTec; Jonathan Connick, Merck | |

3:30 PM - 5:00 PM INNOVATOR AWARD SESSION

Rhine Ballroom | Chairs: Kelly Dong, GlaxoSmithKline; Shaolian Zhou, Novartis |
| | |
| ▶ Outsourcing and Standardization of Global Studies | ▶ Pharmacokinetics of Exendin-4-Fc fusion protein in Cynomolgus Monkey |
| Joseph Bower, Covance | Hongzhen Li, Yan Xia, Joinn Laboratories |
| ▶ Metabolite Analysis Using A Novel Relationship And Database Driven Software Platform Approach For Screening Metabolism | ▶ Quantification of 5 Steroid Hormones in Human Serum Using the ionKey MS system |
| Hui Wang, Waters | Hui Wang, Waters |
| ▶ a LC/MS based-method combined with data analysis software was developed to evaluate the quality of Pu’er tea. | ▶ Simultaneous Quantification of Human Insulin and Five Analogs in Human Plasma Using 2D UPLC MS System |
| Hui Wang, Waters | Hui Wang, Waters |
| ▶ Prediction of Valsartan Pharmacokinetics in Different Pediatric Age Groups using Physiologically Based Pharmacokinetic (PBPK) Models | |
| Linda Lin, PharmoGo | |
5:00 PM – 7:30 PM

CPSA SHANGHAI CLOSING GALA

Dinner, Awards and Celebration
Sponsored by Agilent Technologies

Sponsor’s Toast

Program Chair Recognition
Mike Lee, Milestone Development Services

CPSA Shanghai 2015 – Program Chair Announcement
Jeff Zhang, Novartis

Innovator Award Presentation
Kelly Dong, GlaxoSmithKline; Shaolian Zhou, Novartis

Young Scientist Excellence Award Presentation
Sponsored by Waters Corporation
Liangfu Chen, GlaxoSmithKline; Jenny Zheng, Janssen Pharmaceuticals

17th Annual Symposium on Clinical & Pharmaceutical Solutions through Analysis

Make plans now to attend CPSA 2014! This annual meeting began in 1998 and has evolved into the premier industry-led event dedicated to promoting awareness of issues and needs associated with research and development.

Short Courses • Symposia • Roundtables • Poster Session
Vendor Session • Exhibition • Workshops
Colloquium Series

September 29 - October 2, 2014
Sheraton Bucks County Hotel
Langhorne, PA

Where Technology and Solutions Meet
PROGRAM AGENDA

Saturday  April 19

8:00 AM  REGISTRATION

9:00 AM – 11:15 AM  JOINT SESSION WITH LOCAL BIOANALYTICAL & METABOLISM DISCUSSION GROUPS AND RDPAC PRECLINICAL FOCUS GROUP

Held at The Shanghai Institute of Materia Medica

Challenges and Opportunities of DMPK Studies in CFDA New Drug Submissions

▶ Interpretation of the Chinese Guideline of Non-Clinical Drug Metabolism and Pharmacokinetics Studies
  Dafang Zhong, Shanghai Institute of Materia Medica

▶ Accelerating Drug Development with Quality Pharmacokinetics Data in China: Sanofi’s Experience
  George Liu, Sanofi

▶ Human Relevance:
  The Implications from the Updated cFDA Nonclinical PK/DM Guideline
  Yi Gu, Hutchinson China

▶ Hengrui’s Focus on DMPK Studies in Novel Drug Development Process
  Changyong Yang, Hengrui Pharmaceutical

Directions to The Shanghai Institute for Materia Medica

From the Renaissance Shanghai Pudong Hotel, take a taxi to The Shanghai Institute of Materia Medica (中国科学院上海药物研究所) located at 555 Zu Chong Zhi Road, Zhang Jiang Hi-Tech Park, Pudong, Shanghai (上海市浦东张江祖冲之路555号). The cost of the taxi is around RMB 18 ($3.00).

To take public transportation, walk to Shanghai Science and Technology Museum and take Subway Line #2 towards the airport. Get off at Zhang Jiang Hi-Tech Park (third stop). The Shanghai Institute of Materia Medica is directly across the street from the subway station.
我们的质谱仪使得分子的识别和定量成为现实，加速药物研发过程。如今取得进展需要更加智慧的工具，为你量身打造的工具才能满足你的工作流程。集成强大软硬件的工具实现了回溯性数据分析，并揭示了药物及代谢物的处理过程。这是实现最大生产效率的工具。我们与合作伙伴一起，超越不确定的分析结果，带来真正的日常解决方案。
携手发现

使用安捷伦 ADME 解决方案

信心意味着广泛的、成熟的技术解决方案及其背后经验丰富的专家支持。安捷伦为整个药物生命周期的各个环节提供切实可行的解决方案，帮助制药公司快速有效地开发新产品。

凭借基于 Agilent RapidFire 高通量系统和 6550 iFunnel 四极杆飞行时间 (Q-TOF) 质谱仪构建的解决方案，安捷伦的应用专家成功帮助某实验室将一周的工作量缩短至 3.5 个小时完成，极大地提高了实验室生产率，发现更多我们可以携手创造的成功。

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