



1ST ANNUAL SYMPOSIUM

Chemical & Pharmaceutical Structure Analysis

Where Technology and Solutions Meet

CPSA SHANGHAI 2010

April 7-9, 2010
Jin Jiang Hotel
Shanghai

CPSA SHANGHAI 2010

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Milestone Development Services

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Important Dates

Mar 9 Abstracts due
Mar 17 Pre-registration deadline
Feb 28 Hotel registration deadline
Apr 7 CPSA Shanghai 2010!

General Information

What is CPSA?

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.

Goals

The goal of CPSA Shanghai is to provide in-depth review of innovative technology and industry practices through open discussion of industry-related issues and needs. 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.

Format

The CPSA Shanghai symposia and roundtables feature a unique format to allow scientists to openly share comprehensive perspectives on industry-related issues and needs. First-hand experiences with specific applications and technologies are openly discussed. Lively discussions in a collegial setting are a hallmark of the meeting.

Symposia Feature

Industry Issues & Needs · Analysis Strategies · Performance Benchmarks

Roundtables Feature

Commercial Technology · Mainstream Applications · Analysis Trends

Broad-based awareness of the analytical sciences is achieved through open discussion with industry leaders. This unique event is made possible by sponsors who are dedicated to promoting awareness and understanding of the analytical sciences with the hope of inspiring significant advances in the field.



For more than 12 years, CPSA has provided opportunity for collaboration and inspiration

LC-MS/MS Applications in Support of ADME and PK/TK Studies

Instructor: Lucy Xu, Novartis

The ADME section will focus on qualitative LC-MS/MS instrumentation, the methodology of how to find major metabolites and the current practice to reflect “MIST” guidance in the pharmaceutical industry. Emerging technology (e.g., chip-based nanoflow) will be discussed for their unique application to support ADME studies. The bioanalysis section in support of PK/TK studies will focus on quantitative LC-MS/MS method development and validation in a GLP environment. The course will also use case studies to address common technical challenges (e.g., matrix effect, isomers and labile metabolites, etc.) and provide their practical solutions. Using the latest technologies such as UPLC and enhanced mass resolution to improve efficiency and productivity will be introduced as well. This course is recommended for drug metabolism and bioanalysis scientists who have hands-on working experiences in an ADME/BA laboratory. Scientists working in chemistry, biology, pharmaceutical science or toxicology in either drug discovery or development will gain fundamental understanding of the current ADME/BA practice in the pharmaceutical industry.

Absolute Quantification of Peptides and Proteins: From Sample Preparation and Chromatography to ESI-MS/MS

Instructors: Nalini Sadagopan, Agilent Technologies; Gary Valaskovic, New Objective

Within the last decade, nanoscale liquid chromatography-tandem mass spectrometry (nLC-MS/MS) has revolutionized the identification of proteins and peptides in biological matrices. The technology has developed from being a purely qualitative tool for (global) proteomics to a quantitative method suitable for peptide/protein biomarker validation. Key to success has been the combination of highly specific sample preparation methods, high sensitivity nanospray ionization, and high performance mass spectrometry. In this short course, critical parameters involved in robust sample preparation, nanobore LC and nanospray along with their analytical benefits will be emphasized. The transition of the traditionally qualitative nLC-MS/MS technology to those suitable for absolute quantification will be discussed. Real world examples from the literature will be presented. The target audience includes both analysts that have been engaged in qualitative proteomics wishing to transition to quantitative analysis and small molecule quantitative analysts wishing to learn more about the challenges specific to peptide/protein quantification.

Recent Developments in Separation Sciences for Pharmaceutical Analysis

Instructors: Roman Szucs, Pfizer; Gang Xue, Pfizer

This course will explore the recent innovations in fluid-based separation techniques to extend efficiency, resolution, peak capacity and speed for pharmaceutical analysis. Tools such as kinetic plots will be used to describe how this theoretical platform can be exploited to tune methods for speed and separation efficiency through appropriate choice of pressure and temperature. Innovative trends in selectivity tuning, multidimensional and comprehensive analyses for the future pharmaceutical analysis laboratory will be presented. The features of detection technologies e.g. CAD, ELSD, MS, ICPMS will also be examined. Finally, in the framework of the acetonitrile shortage, green alternatives will be presented e.g. supercritical fluid chromatography, aqueous normal phase LC, thermoresponsive LC, etc. This course is suitable for both beginners and experienced level separation scientists.



CPSA SHANGHAI 2010

Hotel & Travel Info

A special CPSA rate of 880 RMB (+ 15% service charge) has been secured at the Jin Jiang Hotel. The rate includes complimentary breakfast each day. Be sure to follow the accommodation instructions on the website (www.milestonedevelopment.com/cpsas/2010/hotel.html). Be sure to forward hotel registration to Jack Lu at the Jin Jiang Hotel (jacklu@jj.jinjianghotels.com).

Transportation

Details regarding transportation to and from the airport (Pu Dong - PVG) will be available online soon including directions and rates.

Travel

Secure your airfare and travel Visa to Shanghai now! Contact info@milestonedevelopment.com for assistance.



Jin Jiang Hotel, Shanghai

Call for Papers – Abstracts due March 9

Abstracts are being accepted for the 1st Annual Shanghai Symposium on Chemical and Pharmaceutical Structure Analysis (CPSA Shanghai 2010). Please forward abstracts including title and co-author(s) electronically to Mike Lee at info@milestonedevelopment.com.

- Abstracts must be received by March 9, 2010
- Maximum length is 350 words

A sample abstract is available at www.milestonedevelopment.com/cpsas/2010/CPSASampleAbstract.pdf as a guide for format. Please visit the conference website (www.milestonedevelopment.com) for more information!

Registration

To register for CPSA Shanghai, please download the registration form from the conference website at www.milestonedevelopment.com/cpsas/2010/registration.html. Submit by FAX (+1 267-757-0463) or mail directly to Dr. Mike Lee at the address noted below. All fees are in US Dollars.

Conference Registration

Pre-Registration: January 15 – March 17

On Site Registration: After March 17

Payment Methods

- Check: Make payable to Milestone Development Services
(*Must be drawn on US bank*)
- Credit Card: American Express, MasterCard, Visa accepted.
- Wire Transfer: Contact info@milestonedevelopment.com for wire transfer instructions.
- Cash: Send the completed CPSA Shanghai Registration Form to the CPSA office by fax (+1 267-757-0463) or mail directly to:
Dr. Mike Lee
Attn: CPSA Shanghai
P.O. Box 178,
Newtown, PA 18940-0178, USA

Full payment is due upon conference registration

Hotel Registration

Instructions and a downloadable registration form for making hotel reservations can be found on the conference website at: www.milestonedevelopment.com/cpsas/2010/hotel.html.

CPSA is User Friendly!

CPSA attracts sponsors, thought leaders, and participants who are dedicated to the spirit of cooperation to achieve common goals. Imagination needed.

CPSA Shanghai

Where Technology and Solutions Meet... Where East Meets West