

14TH ANNUAL SYMPOSIUM

Clinical & Pharmaceutical Solutions through Analysis

Where Technology and Solutions Meet



Defining the Challenges of the Modern Analytical Laboratory: The Risks and Reality of Personalized Healthcare

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





2014 Program Co-Chair

Paul Corcoran
McKinley Scientific



2014 Program Co-Chair

Gary Valaskovic
New Objective



Plenary Speaker

Ann Weber
Merck



Keynote Speaker

Andy Hoofnagle
University of Washington

History

This annual meeting began in 1998 and was the first industry-led event to complement academic-based meetings and address the specific needs of industry researchers. The program highlights current industry trends and relevant topics. The broad-based support has allowed the meeting to evolve into a premier industry-led event that is dedicated to promoting awareness of issues and needs associated with research and development.

Goals

The goal of CPSA 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 meeting features a unique format to allow scientists to openly share their comprehensive perspectives on industry-related issues and needs. First-hand experiences with specific applications and technologies are openly discussed.

Symposia Feature

Industry Issues & Needs · Analysis Strategies · Performance Benchmarks

Roundtables Feature

Commercial Technology · Mainstream Applications · Analysis Trends

Colloquium Series

The CPSA Colloquium Series is held in parallel to the Symposia sessions on Tuesday, September 30th, and Wednesday, October 1st, at the Sheraton Bucks County Hotel. The goal of these sessions will be to provide attendees with an opportunity to:

- Further enhance the specialized training from the CPSA short courses; and
- Provide focus on industrial activities related to regulatory issues and industrial workflows

Short Courses Feature

Practical Industry Applications · Fundamentals
Real-World Examples · Emerging Methods and Techniques

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

[Imagination needed!](#)

Short Courses – Monday, September 29 8:30 am - 4:30 pm

Method Development for LC/MS: Traditional Approaches and Emerging Trends

Instructors: Roger Hayes, MPI Research; Shane Needham, Alturas Analytics

This practical course on HPLC method development for LC/MS covers the specifics of how sample preparation and HPLC methods are developed for interfacing to ESI and APCI. The course discusses the importance of HPLC when interfaced with mass spectrometry including the HPLC separation of undetected matrix components, isomers and labile metabolites. The development of HPLC methods for LC/MS for use in qualitative and quantitative analysis throughout drug discovery and drug development are presented.

Targeted Metabolomics: The Art & Science of Measuring Drug Efficacy

Instructors: Mark Hayward, Active Ingredient Technologies; Ken Lewis, OpAns

Integrated HPLC and MS approaches for high throughput analysis have become standard practice in a pre-clinical drug discovery setting. Successful support strategies often provide a blend of high throughput methodologies with appropriate resources (tools and personnel). This course will target the “bread and butter” functions of discovery medicinal chemistry support. Real-world experiences with method development and analytical support will be discussed.

Assessment of Oral Bioavailability in Preclinical Species and Human: Impact of Physicochemical, Biopharmaceutical and Physiological Factors

Instructor: Ayman El-Kattan, Pfizer

Poor oral bioavailability is one of the leading causes of compound failure in preclinical and clinical development. Compounds with poor oral bioavailability have low plasma exposure and tend to demonstrate high inter-individual variability, which can limit their therapeutic application. Poor oral bioavailability in preclinical species does not necessarily translate into poor human oral bioavailability.

Analysis of Peptides Peptides and Proteins: Sample Prep to Identification and Quantitation

Instructors: Nalini Sadagopan, Agilent Technologies; Gary Valaskovic, New Objective; Nathan Yates, University of Pittsburgh

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.



CPSA Golf Outing

Makefield Highlands Golf Club, Yardley, PA

The 5th Annual CPSA Open will take place on Monday, Septmebr 29th. Don't miss your tee time!

Contact Brad Coopersmith (brad_coopersmith@waters.com), Ken Imitani (ken_imitani@agilent.com), or Paul Corcoran (paul.corcoran@mkscientific.com) for more information and to sign-up to play.



Make plans to attend the 17th Annual Symposium on Clinical and Pharmaceutical Structure Analysis (CPSA 2014). This unique event is highly interactive. The program features updated perspectives and experiences on clinical and pharmaceutical structure analysis. Imagination and stimulating discussion are central to each CPSA function and session.

Call for Papers – Abstracts due August 29, 2014

Abstract Submission Open

Abstracts are being accepted for the 17th Annual CPSA USA Symposium on Clinical & Pharmaceutical Solutions through Analysis. Please submit your abstract on the CPSA USA website at www.cpsa-usa.com.

- Abstracts must be received by August 29, 2014
- Maximum length is 350 words

A sample abstract is available at www.cpsa-usa.com as a guide for correct format. Please visit the conference website for more information.

Registration

To register for CPSA USA 2014, please download the registration form from the conference website at www.cpsa-usa.com. Submit by FAX (267-757-0463) or mail directly to Dr. Mike Lee at the address noted below. All fees are in US Dollars.

Conference Registration

Early Registration: Before June 28, 2013
Pre-Registration: June 28 – September 20, 2013
On Site Registration: After September 20, 2013

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 USA Registration Form to the CPSA office by fax (+1 267-757-0463) or mail directly to:
Dr. Mike Lee
Attn: CPSA USA
P.O. Box 178,
Newtown, PA 18940-0178, USA
Full payment is due upon conference registration

Hotel Registration

A special CPSA room rate of \$129 per night is available at the Sheraton Bucks County Hotel when you book your room by August 29, 2014. Please call the Sheraton Hotel reservations department directly at 215-547-4100 and mention (code: CPSA/Milestone) to reserve with the CPSA room rate. Visit the Sheraton Bucks County Hotel website for more information (www.Sheraton.com/BucksCounty).

CPSA is User Friendly!

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