

15TH ANNUAL SYMPOSIUM

Clinical & Pharmaceutical Solutions through Analysis

Where Technology and Solutions Meet



Transforming Drug Discovery and Development Through Innovation: Past, Present and Future

October 1 - 4, 2012
Sheraton Bucks County
Langhorne, PA

FINAL PROGRAM

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WELCOME

Inspiration. Collaboration.

Dear Colleagues:

On behalf of the Organizing Committee and our sponsors, it is my pleasure to welcome you to the 15th annual Symposium on Clinical and Pharmaceutical Solutions through Analysis (CPSA 2012). The week promises to be a memorable one, filled with lively discussions, the sharing of real-world experiences, and a celebration of the sciences.

Our CPSA 2012 program chair, Joanna Pols of Merck, has created an agenda that effectively pivots from last year's annual meeting – science and technology coming together – to focus on the specific challenges that face our respective industries. It is hoped that the combination of topics and speakers will enable us to enthusiastically discuss the opportunities to help transform discovery and development through innovation.

In many ways, the program agenda proactively addresses significant areas of change. First, thanks to the help of Organizing Committee members and our sponsors, we changed the name of the meeting to reflect the growing scientific interest in clinical applications with continued focus on practical considerations such as accuracy, sensitivity, and throughput to meet regulatory requirements as recommended by the Food and Drug Administration (FDA) or Clinical Laboratory Improvement Amendments (CLIA).

Second, new events have been added to the program to provide even more focus on *technology and solutions*. The Executive Roundtable Session led by Tim Olah of Bristol-Myers Squibb will provide unique and updated perspectives on activities *where technology and solutions meet business*. The inaugural Innovator Awards will be led by Kevin Bateman of Merck and provide formal recognition of innovative technologies, products and services.

Of course, the outstanding achievements and contributions to our industry are celebrated in each CPSA session – symposia, colloquia, workshops – and by our distinguished Plenary and Keynote Lecturers. Indeed, relationship continues to be a hallmark of all CPSA events via our focus on diversity and passion for the sciences.

As always, it is hoped that you will actively participate, interact, and share ideas during the event. Creativity and imagination have been key ingredients to making this meeting a memorable experience. In this way, a genuine passion for the analytical sciences can lead to personal growth – and perhaps inspire thought and reflection on what you are meant to do versus what you want to do – as well as opportunities to significantly impact the field through participation and leadership.

Finally, special thanks go to the sponsors of this unique event. Each sponsor shares the passion and commitment for the sciences. CPSA sponsors and participants are dedicated to the spirit of cooperation. Imagination needed!

Sincerely,

A handwritten signature in black ink, appearing to read "Mike S. Lee".

Mike S. Lee, Ph.D.

2012 ORGANIZING COMMITTEE

PROGRAM CHAIR

Joanna Pols
Merck

SYMPOSIA & ROUNDTABLES

Susan Abbatiello
The Broad Institute / MIT & Harvard

Kevin Bateman
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Chad Briscoe
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Jim Shen
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Petia Shipkova
Bristol-Myers Squibb

Naidong Weng
Janssen Pharmaceuticals

Tony Yeung
Fox Chase Cancer Center

POSTER SESSION

James Stephenson
Thermo Scientific

Matthew Szapacs
GlaxoSmithKline

Tracie Williams
Centers for Disease Control & Prevention

Donglu Zhang
Bristol-Myers Squibb

VENDOR SESSION

Mark Hayward
Active Ingredient Technologies

Ragu Ramanathan
Bristol-Myers Squibb

SHORT COURSES

Lucinda Cohen
Merck

Ayman El-Kattan
Pfizer

Roger Hayes
MPI Research

Mark Hayward
Active Ingredient Technologies

Kenneth Lewis
OpAns

Shane Needham
Alturas Analytics

Nalini Sadagopan
Agilent Technologies

Gary Valaskovic
New Objective

Nathan Yates
University of Pittsburgh

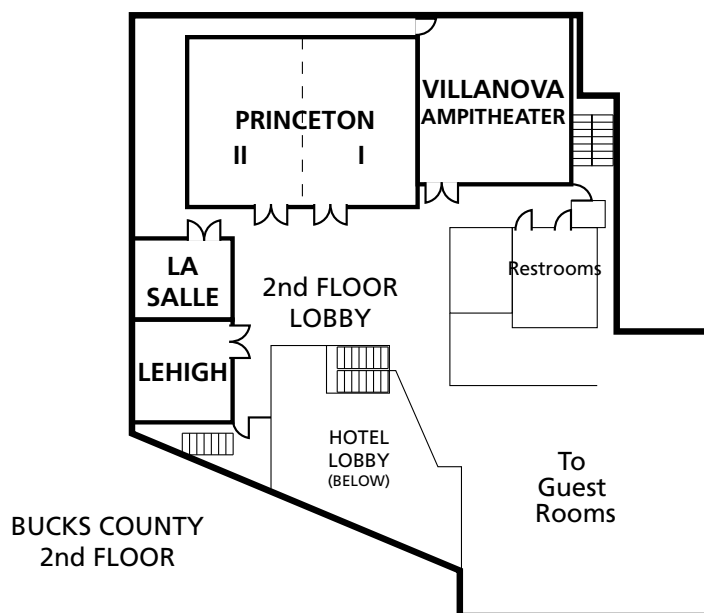
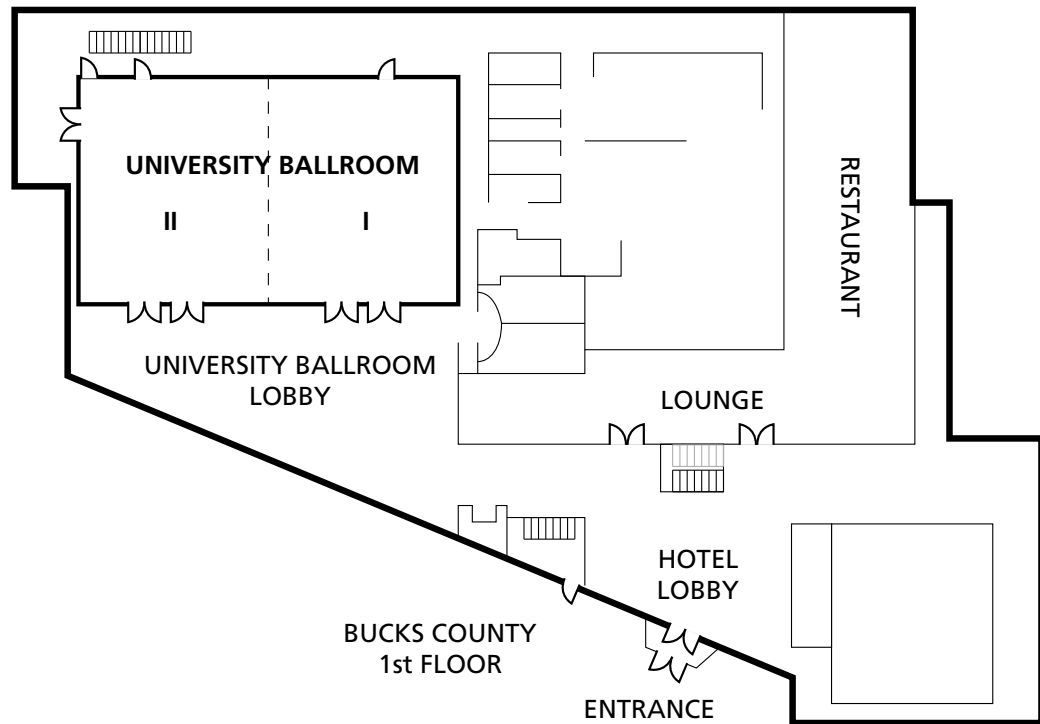
LOGISTICS & MANAGEMENT

Communications & Media
Carla Marshall-Waggett
New Objective

Management & Correspondence
Mike Lee
Milestone Development Services

FLOORPLAN

Sheraton Bucks County



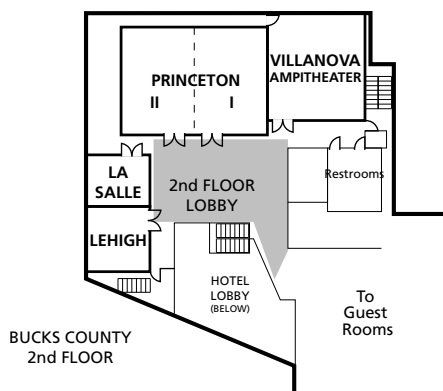
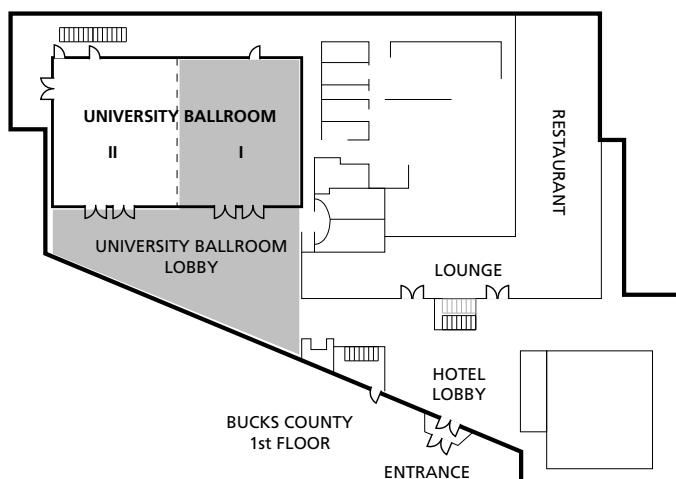
EXHIBITION

EXHIBITORS

AB SCIEX
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EXHIBIT LOCATIONS

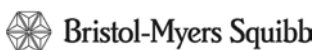
Exhibit booths are located in University I Ballroom, University Ballroom Lobby, and in the 2nd Floor Lobby



SPONSORS

Thank You!

The CPSA 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 research and development in the hopes of inspiring significant advances in the field.



SHORT COURSES & EVENTS

Monday October 1

8:30 AM - 4:00 PM

Princeton I

Villanova

Princeton II

SHORT COURSES

Method Development for LC/MS: Traditional Approaches and Emerging Trends
Instructors: Roger Hayes, MPI Research and Shane Needham, Alturas Analytics

Targeted Metabolomics: The Art & Science of Measuring Drug Efficacy
Instructors: Mark Hayward, Active Ingredient Technologies and Kenneth Lewis, OpAns

Analysis of Peptides and Proteins: Sample Preparation to Identification and Quantitation
Instructors: Nalini Sadagopan, Agilent Technologies; Gary Valaskovic, New Objective and Nathan Yates, University of Pittsburgh

Assessment of Oral Bioavailability in Preclinical Species and Human: Impact of Physicochemical, Biopharmaceutical and Physiological Factors
Instructor: Ayman El-Kattan, Pfizer

Self Innovation
Instructor: Lucinda Cohen, Merck

9:00 AM - 3:00 PM

CPSA OPEN GOLF OUTING

Organizers: Brad Coopersmith, Waters Corporation; Ken Imatani, Agilent Technologies, and Paul Corcoran, McKinley Scientific
Makefield Highlands Golf Course, Yardley, PA

12:00 PM - 4:00 PM

University I

PHARMACEUTICAL SCIENCES WORKSHOP: A FOCUS ON BIOMARKERS

Sponsored by the North Jersey ACS Mass Spectrometry Discussion Group and Frontage Laboratories

Discussion Leaders: Ron Kong, PTC Therapeutics and Fangbiao Li, Merck

- ▶ **Biomarker Development and Validation – Our Practices and Experiences**
Shawn Li, Frontage Laboratories, Inc.
- ▶ **Biomarker Utilization in Early Stage Development**
Omar F. Laterza, Merck Research Laboratories
- ▶ **Using Physiologically-based PK/PD Modeling to Impact Drug Development Decision Making**
Emile Chen, GlaxoSmithKline
- ▶ **Innovative Biomarker Assay for the Quantitation of D3 Creatinine and Creatinine Using LC-MS/MS**
Michael Leonard, GlaxoSmithKline

SHORT COURSES & EVENTS

Monday October 1

MOLECULAR DISCOVERY USERS MEETING

University II

Sponsored by Molecular Discovery

- ▶ Development of a Higher Throughput Metabolite Screening Assay in Early ADME Profiling Using Generic HRMS Acquisition and Automated Data Processing
W. Shou, A. Paiva, Bristol-Myers Squibb
- ▶ High-Throughput MetID Workflow for Early Drug Discovery
Jianwei Shen, Abbott Labs
- ▶ Workflows for Efficient Data Acquisition and Processing
Kerry Fillgrove, Merck
- ▶ Use of MassMetasite in Discovery Setting: Processing Microsomal Metabolism Data from Different Instruments
Natasha Penner, Biogen Idec
- ▶ Solving Bottlenecks in Metabolite Identification Using AB SCIEX TripleTOF™ Technology and MetabolitePilot™ Software
Shaw Xia, AB SCIEX
- ▶ New Features in MetaSite/MassmetaSite: From Data to Information
Ismael Zamora, Molecular Discovery

4:30 PM - 5:30 PM

University I & II

EXECUTIVE ROUNDTABLE: WHERE TECHNOLOGY AND SOLUTIONS MEET BUSINESS

Discussion Leader: Timothy Olah, Bristol-Myers Squibb

6:00 PM - 9:00 PM

University I & II

RECEPTION & SPONSOR'S DINNER

Hosted by AB SCIEX

MONDAY, OCTOBER 1



Program Chair
Naidong Weng
Merck

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Reviving Pharmaceutical R&D with Translational Science, Regulatory Efficiency, and Innovative Models

4th Annual Shanghai Symposium on
Clinical & Pharmaceutical Solutions through Analysis

Make plans now to attend CPSA Shanghai 2013! This annual meeting is evolving into the premier industry-led event dedicated to promoting awareness of issues and needs associated with global research and development.

Short Courses • Symposia • Roundtables
Expo • Workshops • Student Awards

April 24-27, 2013
Renaissance Shanghai Pudong Hotel

Where Technology and Solutions Meet. Where East Meets West

PROGRAM AGENDA

Tuesday October 2

7:30 AM - 8:30 AM

REGISTRATION & CONTINENTAL BREAKFAST

University Ballroom Lobby

8:30 AM – 9:00 AM

OPENING REMARKS

University I & II

Welcome

Mike Lee, Milestone Development Services

Objectives, Format, and Opening Remarks

Joanna Pols, Merck

9:00 AM - 9:45 AM

PLENARY LECTURE

University I & II

Navigating the Waters from Scientist to Administrator in an Ever-Changing Environment: A 25-Year Journey in the Pharmaceutical Industry

Lisa A. Shipley

*Vice President, Pharmacokinetics, Pharmacodynamics & Drug Metabolism
Merck*

10:00 AM - 11:45 AM

PARALLEL SESSIONS

Track I

Biomarkers

University I & II

Small Molecule Biomarkers

Discussion Leader: Petia Shipkova, Bristol-Myers Squibb

- ▶ **Application of LC/MS Biomarker Assays in Drug Discovery**
Joelle Onorato, Bristol-Myers Squibb
- ▶ **Measuring the Dynamics of Low Abundant Proteins: Clinical Studies**
Michael Lassman, Merck
- ▶ **Chemoplexing: Another Step Toward the Digitization of Biology**
Rick King, PharmaCadence

Track II : Colloquium

Regulatory Issues & Workflows

Princeton I & II

Regulatory Compliance Can be a Real Drag, Like Being Married for 22 Years!?

*Discussion Leader: Chad Briscoe, PRA International and
Robyn Rourick, Genentech*

- ▶ **From Anything Goes to GLPs and CROs**
Ken Dammers, Celgene Corporation
- ▶ **Navigating Through a Merger - Regulated Bioanalysis in the "New Merck"**
Eric Woolf, Merck
- ▶ **Finding Common Ground. A European CRO's Perspective on the Implementation of Varied Expectations of Regulators and Clients from Around the World**
Edwin Hooijschuur, PRA International
- ▶ **Do You See What I See?
Regulatory Perspective on Bioanalysis**
Chongwoo Yu, Food & Drug Administration

TUESDAY, OCTOBER 2

TODAY'S MOST ADVANCED BIOANALYSIS TECHNOLOGY

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Shimadzu's LCMS-8040 Triple Quad features:

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PROGRAM AGENDA

Tuesday October 2

12:00 PM – 1:00 PM

University I & II

SPONSORED LUNCH & ROUNDTABLE DISCUSSION

Implementing Automation Workflows in Drug Discovery
Sponsored by Agilent Technologies

1:00 PM – 3:00 PM

University Lobby

POSTER SESSION & ROUNDTABLE DISCUSSION

Discussion Leaders: James Stephenson, Thermo Scientific; Matthew Szapacs, GlaxoSmithKline; Tracie Williams, Centers for Disease Control and Prevention and Donglu Zhang, Bristol-Myers Squibb

3:15 PM - 4:45 PM

PARALLEL SESSIONS

Track III Trends in Metabolite Identification <i>Princeton I</i>	Track IV Transporters <i>Princeton II</i>
<p><i>Discussion Leader: Natalia Penner, Biogen Idec</i></p> <ul style="list-style-type: none"> ▶ What is the Purpose of Human ADME Studies? <i>Ronald White, XenoBiotic Laboratories</i> ▶ Current Strategic Leverage of Radiolabel Metabolism Studies: Human-Only? Rat-Early? Active Metabolites, Reactive Metabolites, and MIST <i>Scott Obach, Pfizer</i> ▶ Maximizing the Value of Drug Metabolism Studies—Where To Go From Here? <i>Russell Mortishire-Smith, Janssen Pharmaceutica</i> 	<p>Measuring and Mitigating Transporter Effects on the Disposition of New Drugs <i>Discussion Leaders: Mark Hayward, Active Ingredient Technologies and Ayman El-Kattan, Pfizer</i></p> <ul style="list-style-type: none"> ▶ Incorporation of Transporter Data into Drug Discovery Screening Cascades <i>Matt Soars, Bristol-Myers Squibb</i> ▶ Predicting Unbound Intracellular Drug Concentrations in the Presence of Transporters <i>Swati Nagar, Temple University</i> ▶ Prediction of Human Pharmacokinetics for Compounds that are Substrates for OATP Transporters <i>James Gosset, Pfizer</i> ▶ Transporter Related Assays / Decision Trees / Regulations / Product Mitigation in Drug Development: 'Bad Times' Are Opportunities to be Good Learners <i>Sid Bhoopathy, Absorption Systems</i>

TUESDAY, OCTOBER 2

PROGRAM AGENDA

Tuesday October 2

5:00 PM – 6:00 PM

Princeton I

SOCIAL HOUR & SPONSORED WORKSHOPS

WORKSHOP

Sponsored by Molecular Discovery

- ▶ **The Evolution of Metabolite Identification Workflows in Drug Discovery**
Kevin Bateman, Merck
- ▶ **Automated ID for Uncorking the Quan/Qual Bottleneck: Drip or Deluge**
Jonathan Josephs, Bristol-Myers Squibb
- ▶ **WebMetabase: From Data to Information and From Information to Knowledge**
Ismael Zamora, Molecular Discovery

Princeton II

WORKSHOP

Future Workflows Connecting Business and Science Globally

Sponsored by McKinley Scientific

Shane Needham, Alturas Analytics
Robyn Rourick, Genentech
Ajai Chaudhary, Merck
Martin Steel, McKinley Scientific

Villanova

WORKSHOP

Protein Quantitation: When SRM Alone Isn't Selective Enough

Sponsored by PharmaCadence Analytical Services

- ▶ **Improving LC-MS Selectivity Using the QTRAP MS3 Scan**
Carmen Fernández-Metzler, PharmaCadence Analytical Services
- ▶ **Ion Mobility to Enhance Selectivity for Protein Quantitation**
Yves LeBlanc, AB SCIEX
- ▶ **Sample Preparation to Enhance Sensitivity for Protein Quantitation**
Angela Goodenough, Bristol-Myers Squibb

TUESDAY, OCTOBER 2

PROGRAM AGENDA

Tuesday October 2

6:30 PM – 9:00 PM

University I

SPONSOR HOSPITALITY & EVENING WORKSHOPS

Food Quality & Safety Summit

Sponsored by Agilent Technologies

Discussion Leaders: István Pelczer, Princeton University and David Perlman, Princeton University

► Analytical Methods for Detailed Analysis of Complex Mixtures

Mike Reily, Bristol-Myers Squibb

► Phosphoprotein Phosphatase 2A (PP2A) Regulation and the Pharmacology of Coffee, Tea and Chocolate

Jeffrey B. Stock, Princeton University

► Recent Regulatory Advances for Food Quality Control, and Analysis of Heavy Metals in Food and Food ingredients

Mark Beaumont, Firmenich

► DR BENCE: A Highly Portable Method to Determine Absolute Concentration of Components by NMR; Application to Selected Beverages

Jeffrey R. Fardink, Princeton University

► Is it the Real thing, or is it Adulterated or Contaminated? Quantitative Analysis of Honey by High-Sensitivity NMR

István Pelczer, Princeton University and Joseph G. Lelinho, Hilltop Honey

University II

Dried Blood Spot Summit

Sponsored by McKinley Scientific and Drummond Scientific

Discussion Leader: Qin Ji, Bristol-Myers Squibb and Olga Kavetskaia, Abbott Labs

► IQ/FDA Interactions

Chris Evans, GlaxoSmithKline

► Challenges and Solutions

Leimin "Perry" Fan, Abbott Labs

► DBS Clinical Studies

Shane Needham, Alturas Analytics

► Panel Discussion

David Boulton, Bristol-Myers Squibb

Peter Bryan, Celgene

Donald Chace, Pediatrix Analytical

Chris Evans, GlaxoSmithKline

Leimin "Perry" Fan, Abbott Labs

Jim Kenney, Drummond Scientific

Wenkui Li, Novartis

Shane Needham, Alturas Analytics

Patricia Zane, Sanofi-Aventis

TUESDAY, OCTOBER 2

PROGRAM AGENDA

Wednesday October 3

7:30 AM – 8:30 AM

REGISTRATION & CONTINENTAL BREAKFAST

University Ballroom Lobby

8:30 AM – 10:00 AM

SYMPOSIA & ROUNDTABLE DISCUSSION

University I & II

Clinical Diagnostics

Discussion Leaders: Donald Chace, Pediatrix Analytical and Tony Yeung, Fox Chase Cancer Center

► **Companion Diagnostics - A Reference Laboratory Experience**

Alan Wookey, LabCorp

► **Measuring Proteins by LC-MS in Clinical Samples**

Andy Hoofnagle, University of Washington

► **Detection and Characterization of Clinical Pathogens—Casting a Broad Net with PCR-MS**

Steve Hofstadler, IBIS Biosciences - an Abbott Company

10:15 AM – 11:45 PM

PARALLEL TRACKS

Track V

Bridging the Gap Between Pharmacokinetics and Pharmacodynamics through Quantitative LC-MS

University I & II

Discussion Leader: Lucinda Cohen, Merck

► **Ultra-Sensitive Cytokine Quantitation in Serum and Tissues by Immunoaffinity nano-LC-MS/MS**

Joe Palandra, Pfizer

► **Strategies to Augment and Troubleshoot Ligand Binding Assays with Fit-For-Purpose LC/MS/MS Methodology: Case Studies**

Erick Kindt, Pfizer

► **Measuring De Novo Lipogenesis in Human Plasma by LC-MS**

Bernard Choi, Merck

► **Focusing on Core Analytical Capabilities to Support an Expanding Need for Clinical Biomarker Analysis and the Development of Companion Diagnostics**

Brad Ackermann, Eli Lilly & Co.

Track VI : Colloquium

Innovation in Regulated Bioanalysis: Yes it is Happening!

Princeton I & II

Discussion Leaders: Shane Needham, Alturas Analytics and Naidong Weng, Janssen Pharmaceuticals

► **Science and Process in Regulated Bioanalysis**

Roger Hayes, MPI Research

► **Innovative Bioanalytical Approach for Protein Biomarkers**

Wenying Jian, Janssen Pharmaceuticals

► **Regulation Does Not Hamper Innovation: Incorporating New Technologies and New Approaches Into Regulated Bioanalysis**

Anne-Françoise Aubry, Bristol-Myers Squibb

► **Microflow LC/MS/MS in Regulated Bioanalysis - Is It Possible?**

Shane Needham, Alturas Analytics

PROGRAM AGENDA

Wednesday October 3

12:00 PM -1:00 PM

University I & II

SPONSORED LUNCH & ROUNDTABLES

Sponsored by Shimadzu Scientific Instruments

Perfinity LIVE: Protein to Peptides - Proof without burden in 15 minutes flat!

Join us for a live interactive lunchtime demonstration and discussion to introduce the Perfinity iDP, a quick and seamless protein sample digestion platform for LC-MS workflows.

1:15 PM – 2:15 PM

Princeton I

SOCIAL HOUR & SPONSORED WORKSHOPS

WORKSHOP

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Ignatius J. Kass, Waters Corporation

Princeton II

WORKSHOP

Innovative Workflows for High Performance: Microspray and Nanospray

Sponsored by New Objective

► **Update on Multi-Channel NanoLC: The PicoChip Platform**

Nathan Yates, University of Pittsburgh

► **Microflow Capillary LC for Bioanalysis**

Shane Needham, Alturas Analytics

► **Molecular MS Plate Reader: Combining Ultra-low Flow and Ultra-high Throughput with Nanospray**

Gary Valaskovic, New Objective

2:30 PM – 3:30 PM

Villanova

INNOVATOR AWARD SESSION

Held in conjunction with the North Jersey ACS Mass Spectrometry and Delaware Valley Drug Metabolism Discussion Groups

Discussion Leader: Kevin Bateman, Merck

► **Evaluation of a Microsampling System for Accurately Controlling Dried Blood Spot Volumes**

Jim Kenney, Joe Siple, Drummond Scientific

► **PicoSlide Multichannel Nanospray: So Easy a Caveman Can Do It!**

Gary Valaskovic¹, Ben Ngo¹, Amanda Berg¹, Nathan Yates²; 1) New Objective Inc. Woburn, MA; 2) University of Pittsburgh, Pittsburgh, PA

► **Rapid Analysis Using High Performance Ion Mobility Spectrometry**

Ching Wu, Clinton Krueger, Carol Moraff, Excellims Corporation

WEDNESDAY, OCTOBER 3

PROGRAM AGENDA

Wednesday October 3

WEDNESDAY, OCTOBER 3

► **Metabolite Identification: From Data to Information and From Information to Knowledge**

Ismael Zamora¹, Luca Morettoni², Xavier Pascual¹, Blanca Serra¹, Fabien Fontaine¹, Guillem Plasencia¹, Stefania Dragoni³, Gabriele Cruciani³; 1) Lead Molecular Design, S.L.; 2) Molecular Discovery, Ltd; 3) University degli Studi di Perugia

► **An Interdependent LC/MS/MS Solution for Urine Testing for Detection and Quantification of Drugs-of-Abuse and Pain Management**

Martin Steel, McKinley Scientific

3:45 PM – 5:30 PM

Princeton I & II

VENDOR SESSION - "5 MINUTES OF FAME"

Held in conjunction with the North Jersey ACS Mass Spectrometry and Delaware Valley Drug Metabolism Discussion Groups

Hosted by Merrill Lynch

Discussion Leaders: Mark Hayward, Active Ingredient Technologies and Ragu Ramanathan, Bristol-Myers Squibb

5:30 PM – 6:30 PM

*University I, 2nd Floor Lobby
University Ballroom Lobby*

EXHIBITION & SOCIAL HOUR - WHERE TECHNOLOGY AND SOLUTIONS MEET!

Held in conjunction with the North Jersey ACS Mass Spectrometry and Delaware Valley Drug Metabolism Discussion Groups

6:30 PM – 7:30 PM

University I & II

CPSA DINNER LECTURES & DISTINGUISHED ANALYTICAL SCIENTIST AWARD

Held in conjunction with the North Jersey ACS Mass Spectrometry and Delaware Valley Drug Metabolism Discussion Groups

ANNOUNCEMENTS

► **CPSA Shanghai 2013**

Eric Yang, GlaxoSmithKline and Naidong Weng, Janssen Pharmaceuticals

7:30 PM – 9:00 PM

University I & II

KEYNOTE LECTURES & AWARDS

Sponsored by New Objective and McKinley Scientific

Mass Spectrometry: Convenient Characterization of Complex Compounds with Colossal Content of Cool Comprehension

Fred W. McLafferty, Cornell University

Weigh Every Protein

Neil L. Kelleher, Northwestern University

Distinguished Analytical Scientist Award

Presented by James Stephenson, Thermo Scientific

How to Keep Your Mass Spectrometer Alive:

A Manual of Step-by-Step Procedures for the Complete Idiot

Nathan A. Yates, University of Pittsburgh

PROGRAM AGENDA

Thursday October 4

7:30 AM – 8:30 AM

REGISTRATION & CONTINENTAL BREAKFAST

2nd Floor Lobby

8:30 AM – 10:00 AM

SYMPOSIA & ROUNDTABLES

Princeton I & II

Outsourcing: Science, Interaction and Collaboration

Discussion Leader: Jim Shen, Bristol-Myers Squibb

► The Role of Bioanalytical CRO in the Global Setting

John Lin, Frontage Laboratories

► From R&D to Production: Problems Encountered During Assay Transfer for the Quantitation of Clopidogrel Active Metabolites in Human Plasma

Moucun Yuan, PPD

► Challenges in Method Development for Determination of Nucleoside Triphosphate Compound in Human PBMC Using LC/MS

Denny Liu, Tandem Labs

Panelists:

Bruce Stouffer, Bristol-Myers Squibb

Mike Huang, Janssen Pharmaceuticals

Ron Shoup, AIT Bioscience

10:15 AM – 11:45 AM

SYMPOSIA & ROUNDTABLE DISCUSSION

Princeton I & II

Perspectives on the Quantification of Peptides and Proteins by Mass Spectrometry

Discussion Leader: Susan Abbatiello, The Broad Institute of MIT and Harvard

► Exploiting Chemical and Analytical Technologies for Fast, Robust, and Sensitive Quantitation of Peptides and Proteins in Biological Samples

Susan Abbatiello, The Broad Institute of MIT and Harvard

► Quantification of Proteins Targeted by Biotherapeutics Using Immuno-affinity LC-MS/MS

Mireia Fernandez-Ocaña, Pfizer

► Using Mass Spectrometric Immunoassay (MSIA) in Biomarker Development

Randy Nelson, University of Arizona

THURSDAY, OCTOBER 4

PROGRAM AGENDA

Thursday October 4

12:00 PM – 1:15 PM

Princeton I & II

SPONSORED LUNCH & ROUNDTABLE DISCUSSION

Sponsored by Waters Corporation

Implementing High Resolution Quan/Qual in an Industry Setting

Discussion Leader: Mark Wrona, Waters Corporation

► An Integrated in vitro Qual/Quan Story:
How We Got Here and Where We Are Going
Jonathan Josephs, Bristol-Myers Squibb

► Real World Experiences with In Vivo Quan/Qual
Russell Mortishire-Smith, Janssen Pharmaceutica

1:30 PM – 3:00 PM

SYMPOSIA & ROUNDTABLE DISCUSSION

Alternative Instrumentation

Discussion Leader: Kevin Bateman, Merck

Gary Van Berkel, Oak Ridge National Laboratory

Scott Tanner, DVS Sciences

Dan Murnick, Rutgers University

3:00 PM – 4:00 PM

CLOSING EVENT

Sponsored by PharmaCadence Analytical Services

► Innovation at Crayola
Dave Rowan, Crayola

LOCAL AREA
DISCUSSION
GROUPS

CHROMATOGRAPHY FORUM OF THE DELAWARE VALLEY

www.cf dv.org

DELAWARE VALLEY DRUG METABOLISM DISCUSSION GROUP

www.dv dmdg.org

GREATER BOSTON MASS SPECTROMETRY DISCUSSION GROUP

www.gbmsdg.org

NORTH JERSEY CHROMATOGRAPHY GROUP

www.njcg.org

NORTH JERSEY DRUG METABOLISM DISCUSSION GROUP

www.njacs.org/drugmet.html

NORTH JERSEY MASS SPECTROMETRY DISCUSSION GROUP

www.njacs.org/msdg/index.html

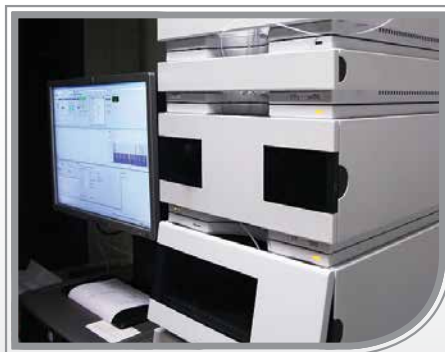
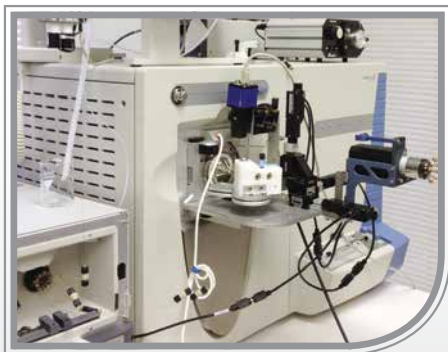
THURSDAY, OCTOBER 4

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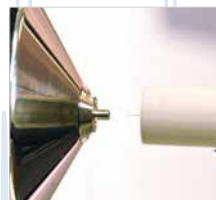
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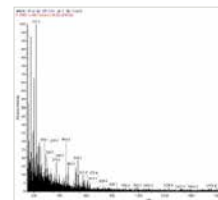
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