1ST ANNUAL SYMPOSIUM
Clinical & Pharmaceutical Solutions through Analysis

Cloud Platforms for Scientific Analysis

MEETING PROGRAM

May 19 - 20, 2016
The University Club
University of Pittsburgh
Pittsburgh, PA
Thousands of lipids.
One name to remember: Lipidyzer™

Finally all-in-one lipid analysis is within your reach

The new Lipidyzer™ Platform enables you to rapidly and accurately differentiate and quantitate over a thousand lipid species, and translates your data into knowledge with ease and efficiency.

The Lipidyzer Platform is the only all-in-one, comprehensive solution that empowers you to perform next generation lipid analysis—without any specialized mass spec experience.

Unlike current methodologies with cumbersome sample preparation and fragmented procedures, the Lipidyzer Platform streamlines and simplifies the workflow. Developed by SCIEX and powered by Metabolon®, the Lipidyzer Platform provides comprehensive data analysis and expert scientific interpretation so you can derive biological significance and research disease relevance with confidence.

Next generation lipidomics at your fingertips. Learn more at sciex.com/lipidyzer
May 19, 2016

Dear Colleagues:

On behalf of the organizing committee and our sponsors, it is our pleasure to welcome you to the inaugural Analytics Symposium on Clinical and Pharmaceutical Solutions through Analysis (CPSA Analytics). The meeting, along with related events, promises to be both exciting and timely as well as feature lively discussions, memorable interactions, and the sharing of real-world experiences.

The goal of CPSA Analytics is to provide in-depth reviews of innovative technology and emerging practices through open discussion of industry related issues and needs. Our aim is to feature scientific leaders within diversified symposia and sponsored events specially designed to be highly interactive where professionals can openly share their experiences and visions in a collegial setting – where technology and solutions meet!

We are extremely delighted to feature a most distinguished plenary speaker, Andrey Bondarenko of InfoClinika. His plenary lecture on “Next Generation IT Solutions for Life Sciences and Healthcare Using Modern Cloud-Based Technologies” reflects an emerging theme in healthcare – innovation, analytical technology, patient needs, and personalized medicine. The combination of such diverse interests, issues, and needs will provide unique perspectives, and certainly, continue to inspire significant advances.

The symposium sessions provide a wonderful opportunity to interact with industry leaders as well as openly share experiences – from the laboratory to the patient. Specific issues and needs from previous CPSA annual meetings in the USA, China and Brazil will help drive the agenda at CPSA Analytics to feature: 1) focus on patient and patient needs; 2) leadership from the CPSA Charitable Foundation; 3) innovation from the Mozaic Solutions Scientific Advisory Board; 4) integration from the CPSA Four Corners Initiative team; 5) clinical issues/needs from the CPSA Metabolomics Organizing Committee; and 6) pharmaceutical issues/needs from the CPSA USA Organizing Committee.

Our hope is that you will actively participate, interact, and share ideas during the event. Creativity and imagination have been key ingredients to make CPSA meetings a memorable experience all over the world. In this way, a genuine passion for the analytical sciences can lead to personal growth as well as opportunities to significantly impact the field through participation, leadership, and global citizenship.

The hallmark of CPSA Analytics will be identical to other CPSA events – belief in a notion that simple actions, simple gestures, along with relationships can bring people together to cooperate in a most transparent and inclusive manner – which when sustained in a coordinated fashion can result in spectacular dreams that are destined to come true. And so, at CPSA Analytics, we dare to attempt to do something great. Together.

Special thanks go to the sponsors of CPSA Analytics. In particular, we wish to thank McKinley Scientific, Mozaic Solutions, New Objective, SCIEX, and the University of Pittsburgh for giving this meeting life. Thank you! All CPSA sponsors share the passion and commitment for both innovative technologies and the advancement of personalized healthcare.

Enjoy the inaugural meeting – where technology and personalized healthcare meet!

Sincerely,

Nathan A. Yates, Ph.D.
CPSA Analytics Program Chair

Mike S. Lee, Ph.D.
CPSA Founder
2016 ORGANIZING COMMITTEE

PROGRAM CHAIR

Nathan A. Yates
University of Pittsburgh

SYMPOSIA & SESSIONS

Mark Arnold
Bristol-Myers Squibb

Lori Bachmann
Virginia Commonwealth University

Andrey Bondarenko
InfoClinika

Chad Briscoe
PRA Health Sciences

Donald Chace
Pediatrix Analytical

Michelle Clasquin
Pfizer

Lucinda Cohen
Merck

Paul Corcoran
McKinley Scientific

Binodh DeSilva
Bristol-Myers Squibb

Emily Ehrenfeld
Mozaic Solutions

Saul Fink
Bristol-Myers Squibb

Joe Fox
SCIEX

Timothy Garrett
University of Florida

Robert Kennedy
University of Michigan

Steve Klohr
Bristol-Myers Squibb

Lisa Lorence
University of Pittsburgh

Margaret McDonald
University of Pittsburgh

Shane Needham
Alturas Analytics

Joanna Pols
Merck

Robyn Rourick
Genentech

Jim Shen
Bristol-Myers Squibb

Gary Valaskovic
New Objective

Roy Vaz
Sanofi

Naidong Weng
Janssen Pharmaceuticals

Eric Yang
GlaxoSmithKline

Anthony Yeung
Fox Chase Cancer Center

Ismael Zamora
Molecular Discovery

LOGISTICS & MANAGEMENT

Communications & Media

Carla Marshall-Waggett
New Objective

Logistics & Media

Martin Steel
McKinley Scientific

Management & Correspondence

Mike Lee
Milestone Development Services
The CPSA Analytics 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.

Thank You!

McKinley

MOZAIC SOLUTIONS

NEW OBJECTIVE

SCIEX

University of Pittsburgh

Alturas Analytics, Inc.

Bristol-Myers Squibb

Lilly

INPCLINICA

Janssen

Molecular Discovery

USA CPSA

CPSA Metabolomics

CPSA Brasil

CPSA Shanghai
PRE-CONFERENCE

Wednesday May 18

8:00 AM - 2:30 PM  
SEGMENTED FLOW TECHNOLOGY FOR LIFE SCIENCE RESEARCH 
Hosted by Mozaic Solutions 
Presenters: Lorin Bachmann, Virginia Commonwealth University; Don Chace, Pediatrix Analytical; Lucinda Cohen, Merck & Co.; Paul Corcoran, McKinley Scientific; Emily Ehrenfeld, Mozaic Solutions; Robert Kennedy, University of Michigan; Mike Lee, Mozaic Solutions; Margaret McDonald, University of Pittsburgh; Martin Steel, McKinley Scientific; Gary Valaskovic, Mozaic Solutions; Nathan Yates, University of Pittsburgh

3:00 PM - 4:30 PM  
OPEN HOUSE 
Tour of Yates Lab - University of Pittsburgh

5:00 PM - 7:00 PM  
RECEPTION 
Meet and greet colleagues and friends to celebrate the beginning a new tradition of collaboration and sharing in The Steel City.

3rd Annual Symposium on Clinical & Pharmaceutical Solutions through Analysis

Pharmaceutical Innovation: Collaborating from Bench to Bedside 
August 3 - 5, 2015 • São Paulo, Brazil

Plenary Speaker  
Peter van Amsterdam  
Abbot Healthcare Products B.V.

Program Chair  
Carlos Kiffer  
GC2

Plenary Speaker  
Thiago Mares Guia  
Bionovis

CPSA BRASIL FEATURES 
Symposia • Roundtables • Colloquia Session 
Regulatory Issues • Pre-Conference Workshops • Social Events

www.cpsa-brasil.com

Where Technology and Solutions Meet. Where Together We Progress.
7:30 AM - 8:30 AM  REGISTRATION & CONTINENTAL BREAKFAST

8:30 AM – 8:45 AM  WELCOME & OPENING REMARKS

University Club
1st Floor
Ballroom A

Welcome
Mike Lee, Milestone Development Services

Objectives, Format, and Opening Remarks
Nathan Yates, University of Pittsburgh

8:45 AM - 9:30 AM  PLENARY LECTURE

Next Generation IT Solutions for Life Sciences and Healthcare Using Modern Cloud-Based Technologies
Andrey Bondarenko, InfoClinika

9:30 AM - 9:45 AM  BREAK / ROUNDTABLES

9:45 AM - 11:15 AM  SYMPOSIUM SESSION

Rare Diseases/Metabolism/Lipidomics/Statistics
Chair: Roy Vaz, Sanofi

- Identifying and Characterizing Potential Location Biomarkers for Cancer
  Robert Murphy, Carnegie Mellon University

- Metabolomics in Pharmaceutical Research: How Fast is Fast Enough?
  Harvey Lieberman, Sanofi-Genzyme

- Strategic Needs in (Bio)Pharma, Faster Cycle Times, and Digital LC-MS: What Are We Going To Do With All This Data?
  Gary Valaskovic, New Objective

11:30 AM - 1:30 PM  SYMPOSIUM SESSION / LUNCH ROUNDTABLE

Hosted by the CPSA Charitable Foundation

Rare Genetic Diseases: From Diagnosis to Treatment
Chairs: Michelle Clasquin, Pfizer and Emily Ehrenfeld, Mozaic Solutions

- Amino Acids and Organic Acids as Biomarkers for Gaining Insight into Disease Natural History and Novel Therapies: MTHFR & Cobalamin-C Deficiencies
  Holmes Morton, Clinic for Special Children
1:45 PM - 3:00 PM SYMPOSIUM SESSION

Innovative Technologies for Personalized Healthcare

Chairs: Robert Kennedy, University of Michigan and Gary Valaskovic, New Objective

▶ Adventures in Chemical Proteomics
  Jarrod Marto, Dana-Farber Cancer Institute

▶ Proteoform-Based Analytics for Biomarker Discovery by Top-Down Mass Spectrometry
  Steve Patrie, University of Texas Southwestern

3:30 PM - 5:00 PM SYMPOSIUM SESSION

Innovative Analytical Approaches to Meet Emerging Patient Needs

Chairs: Erik Hansen, New Objective and Mike Lee, Milestone Development Services

▶ A Jar of Jelly Beans and Clinical Information: A Real Experiment with Tasty Results You Can Count On
  Don Chace, Pediatrix Analytical

6:00 PM

SOCIAL EVENT – PLAY BALL!

“Let’s Go Bucs!”
Pittsburgh Pirates vs. Atlanta Braves
PNC Park
First pitch at 7:05 pm
7:30 AM - 8:30 AM  REGISTRATION & CONTINENTAL BREAKFAST

8:30 AM – 10:00 AM  SYMPOSIUM SESSION
University Club
1st Floor
Ballroom A

Upcoming Opportunities in Personalized Healthcare: Integration of New Methodologies and Techniques
Chairs: Lori Bachmann, Virginia Commonwealth University and Mark Arnold, Bristol-Myers Squib

10:15 AM - 11:45 AM  SYMPOSIUM SESSION

High Performance Meets Personalized Healthcare: The Prospects for Daily Performance Monitoring
Chair: Martin Steel, McKinley Scientific

- Digital Chromatography: An Enabling Technology on the Path to Precision Healthcare
  Gary Valaskovic, Mozaic Solutions

- High-Resolution Mass Spectrometry - Discovering Molecular Profiles in Previously Un-Analyzed Data
  Nathan Yates, University Of Pittsburgh

- Informatics in Personalized Healthcare
  Andrey Bondarenko, InfoClinika

12:00 PM - 2:00 PM  SYMPOSIUM SESSION LUNCH ROUNDTABLE

Provocative Healthcare Question
Sponsored by SCIEX

2:15 PM  CLOSING REMARKS

Nathan Yates, University of Pittsburgh and Mike Lee, Milestone Development Services
PICTURE YOURSELF AT CPSA!

CPSA Selfies

CPSA Selfies are a great way to share the excitement and fun of this unique event with colleagues, friends and family!

Want to see yourself at CPSA? Here’s how...
• Take photos... lots of photos on your phone, tablet, or camera
• Email your photos to CPSAselfies@gmail.com
• Be sure to include a caption and/or the names of everyone in the photos
• Visit the Image Gallery at cpsa-analytics.com to see and share your photos with friends, family and colleagues

19th Annual Symposium on Clinical & Pharmaceutical Solutions through Analysis

Analytical Chemistry at a Crossroad: Making Data Relevant to the Patient
September 26 - 29, 2016 • Langhorne, PA USA

Program Co-Chair
Timothy Garrett
University of Florida

Plenary Speaker
Scott Biller
Agios Pharmaceuticals

Program Co-Chair
Jim Shen
Bristol-Myers Squibb

CPSA USA FEATURES
Short Courses • Symposia • Parallel Sessions • Roundtables
Poster Session • Vendor Session • Exhibition • Workshops • Colloquium Series

www.cpsa-usa.com

Where Technology and Solutions Meet
Discover the missing cog in your global instrumentation and services strategy.

McKinley Scientific transforms the business of global outsourcing in the pharmaceutical and clinical life sciences by providing both standard and customized leasing options as a tool to efficient equipment management.

We use a unique strategy that uses traditional leasing as a vehicle to create access to cutting edge instrumentation such as LC/MS/MS, UPLC, HPLC used in research and development, clinical diagnostics and a multitude of industries where high sensitivity, resolution or separation is required for quantitation and equalization.

We have over 35 years of experience in providing solutions in LC/MS/MS through this asset management approach. Our pre-owned instrumentation is refurbished, tested and recalibrated, delivered and installed to manufacturer specifications and carries a comprehensive warranty.
Several key performance attributes are required for essential overall performance. While each may be independent of the other, the coordinated control of these parameters is essential to improving your overall analysis.

**Tip Size**  
Proven PicoFrit® technology is at the core, producing sharp peaks and optimal chromatography.

**Voltage**  
Factory installed, tested, and verified, to ensure leak-free optimal voltage contact.

**Position**  
Easy-to-use pre-optimized for exact tip positioning right out of the box for maximized signal.

**Flow Rate**  
Flow-rate control equals higher sensitivity.

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**WHAT’S YOUR SPRAY DNA?™**

We need this to be **easy to use...**  
But we don’t want to give up **any performance.**”

*Nathan Yates*  
*University of Pittsburgh*

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**High-performance IS ease-of-use.”**

*Shane Needham*  
*Alturas Analytics*

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