19TH ANNUAL SYMPOSIUM Clinical & Pharmaceutical Solutions through Analysis

EXAMPLESA

Where Technology and Solutions Meet

Analytical Chemistry at a Crossroad: Making Data Relevant to the Patient

MEETING PROGRAM

September 26 -29, 2016 Sheraton Bucks County Langhorne, PA Answers for Science. Knowledge for Life.™



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September 26, 2016

Dear Colleagues:

WELCOME

Inspiration. Collaboration.

On behalf of our organizing committee and sponsors, it is our pleasure to welcome you to the 19th annual Symposium on Clinical and Pharmaceutical Solutions through Analysis (CPSA USA 2016). The week represents a continuation of plans, hopes and visions for the future as interpreted from previous annual meetings. The week also represents a wonderful opportunity to share our heartfelt thanks to everyone for their willingness to work together and support CPSA annual meetings worldwide as well as the CPSA Charitable Foundation.

The goal of the meeting and related events is to feature lively discussions, memorable interactions, and the sharing of real-world experiences. This year, the agenda focuses on "making data relevant to the patient" and the emerging role of both analytical sciences and integrative processes to help guide the development of cutting-edge technology for use in the pharmaceutical industry, the clinical laboratory, and beyond.

Our program agenda reflects our efforts to identify strategic areas of focus - in traditional ways such as our Distinguished Lecture Series, Plenary Lecture, Keynote Lectures, symposia, colloquia, workshops, and sponsored events - and also support and launch unique initiatives and partnerships such as the CPSA Four Corners Initiative and our relationships with the University of Florida, the University of Pittsburgh, and the CDC.

The CPSA Four Corners Initiative, led by Lorin Bachmann and Mark Arnold, highlights a team effort and commitment to improve personal health and overall wellbeing in a most inclusive and transparent manner. The Initiative focuses on the integration of: Technology; Methodology; Workflow/Process; Regulation; and Informatics. The approach is quintessential CPSA - highlighted in all of the sessions and events during the week - and promotes the use of innovative technologies in the clinic (or home) and sustained relationships.

A unique approach to address the specific issues and needs for the clinic and patient is represented by our strategic relationships with the University of Florida and the University of Pittsburgh, respectively. Annual CPSA meetings in Gainesville and Pittsburgh are dedicated to give uncompromised attention to the clinic, patient, and physician as well as capture unique opportunities to set new goals and partnerships - and are also reflected in our program agenda.

The emerging relationship between CPSA and the CDC has been a delight to help grow, participate in and support. Led by Emily Ehrenfeld, Don Chace, Michelle Clasquin, D. Holmes Morton, Roy Vaz and other members of the Organizing Committee and Foundation, a unique sense of commitment has developed in support of the CDC's legacy of human health and safety. We are excited to celebrate our relationship with the Newborn Screening and Molecular Biology Branch of the CDC as led by Carla Cuthbert. And we are honored to have Carla and members of her team represented each day in this year's program agenda!

We encourage you to actively participate, interact, and share ideas during the event. Creativity and imagination have been key ingredients to making 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 and leadership.

Special thanks go to the sponsors of this unique event. All CPSA sponsors share the passion and commitment for both innovative technologies and the acceleration of product development. CPSA sponsors and participants are dedicated to the spirit of cooperation. Imagination needed!

Sincerely,

Mike S. Lee

Timotby Garrett



2016 ORGANIZING COMMITTEE

PROGRAM CO-CHAIRS

Timothy Garrett University of Florida Jim Shen **Bristol-Myers Squibb**

SYMPOSIA & SESSIONS

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Dave Abramowitz SCIEX

Bradley Ackermann Eli Lilly & Company

Mark Arnold **Bioanalytical Solution** Integration, LLC

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Oin li **Bristol-Myers Squibb** Kelli Jonakin

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Richard King PharmaCadence Analytical Services

Alla Kloss Genzyme Michael Lassman

Merck

Yurong Lai Bristol-Myers Squibb

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James Small Merck

Daniel Spellman Merck

Neil Spooner **Spooner Bioanalytical Solutions**

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Naidong Weng Janssen Pharmaceuticals

Clark Willard inVentiv Health

Eric Woolf Merck

Eric Yang GlaxoSmithKline

Nathan Yates University of Pittsburgh

Anthony Yeung Fox Chase Cancer Center

Ismael Zamora Molecular Discovery

LOGISTICS & MANAGEMENT

Communications & Media

Carla Marshall-Waggett New Objective

Martin Steel **McKinley Scientific**

Leigh Darbee **McKinley Scientific**

Management & Correspondence Mike Lee

Milestone Development Services

Wenkui Li Novartis

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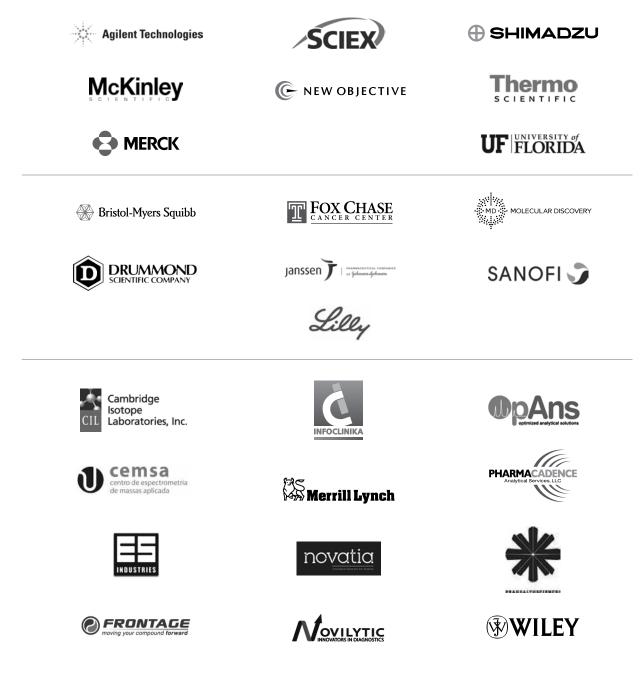
Randall Nelson





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.





EXHIBITION

Wednesday September 28

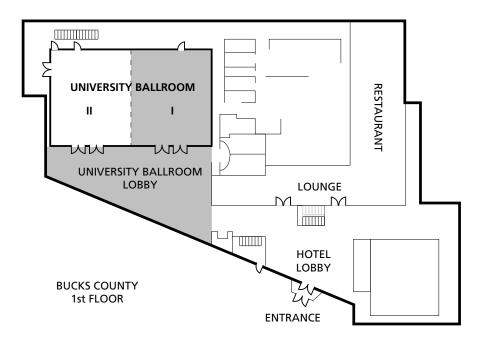
EXHIBITOR	BOOTH	EXHIBITOR	BOOTH
Agilent Technologies	27	MS Mass Spec Consultants	20
Cambridge Isotope Labs	15	mSpec Group	6
Curachem	10	New Objective	2
Drummond Scientific	4	Novatia	9
ES Industries	17	Novilytic	5
Frontage Laboratories	11	PharmaCadence Analytical Services	13
Gerstel	14	PRA Health Sciences	8
InfoClinika	22	Precision Antibody	12
MAC-MOD Analytical	19	Scientific Systems, Inc.	7
McKinley Scientific	3	SCIEX	16
Merrill Lynch	25	Shimadzu Scientific	26
Microconstants	18	Thermo Scientific	24
Molecular Discovery	1	Wiley & Sons	21

EXHIBIT LOCATIONS

Exhibit booths are located in University I Ballroom and the University Ballroom Lobby.

Booths 1 - 14 University Ballroom

Booths 15 - 27 University Ballroom Lobby





SHORT COURSES & EVENTS

Monday September 26

7:30 AM - 8:30 AM	REGISTRATION & CONTINENTAL BREAKFAST 2nd Floor Lobby	
8:30 AM - 4:00 PM	SHORT COURSES	
Princeton I	Protein Identification, Quantification, and Biomarker Analysis Instructors: Nalini Sadagopan, Agilent Technologies, Gary Valaskovic, New Objective, Nathan Yates, University of Pittsburgh	
Princeton II	Bioanalysis of Mix Modalities via Hybrid and Orthogonal Approaches: Instructors: Suzanne Cordovado, CDC, Barry Jones, Q2 Solutions, Linlin Luo, Bristol-Myers Squibb and Jim Shen, Bristol-Myers Squibb	
Lehigh	Building a Better Clinical Mass Spectrometry Lab Instructors: Don Chace, Pediatrix Analytical; Timothy Garrett, University of Florida; Mark Hayward, Active Ingredient Technologies; and Kenneth Lewis, OpAns	
LaSalle	Assessment of Oral Bioavailability in Preclinical Species and Human Instructors: Ayman El-Kattan, Pfizer and Yurong Lai, Bristol-Myers Squibb	
7:30 AM - 9:30 AM	CPSA 5K CHARITY EVENT CPSA Charitable Foundation	
Tyler State Park Newton, PA	Organizers: Nicole Matz, PRA Health Science; Guowen Liu, Bristol-Myers Squibb; Naidong Weng, Janssen Research & Development; Helen Weng, Frontage Laboratories	
10:00 AM - 3:00 PM	CPSA OPEN CHARITY GOLF EVENT CPSA Charitable Foundation	
Makefield Highlands Golf Club, Yardley, PA	Organizers: John Butler, Agilent Technologies; Paul Corcoran, McKinley Scientific; Clark Willard, inVentiv Health Clinical Lab	
12:00 PM - 4:00 PM	MOLECULAR DISCOVERY USERS MEETING	
Villanova Amphitheater	Advanced training in MassMetaSite / WebMetabase / MassChemSite Structure Elucidation Tools	
	Discussion Leader: Ismael Zamora, Molecular Discovery	
12:00 PM - 4:00 PM	MICROSAMPLING: ISN'T IT BLEEDIN' OBVIOUS?	
University Grille	Moderators: Neil Spooner, Spooner Bioanalytical Solutions; Joe Siple, Drummond Scientific	
	Participants/Panelists: Kevin Bateman, Merck Donald Chace, Pediatrix Analytical Chris Evans, GlaxoSmithKline	Shane Needham, Alturas Analytics Tim Olah, Bristol-Myers Squibb



MEETINGS & EVENTS

Monday September 26

4:30 PM - 5:30 PM	EXECUTIVE ROUNDTABLE: WHERE TECHNOLOGY AND SOLUTIONS MEET BUSINESS		
University I & II	Sponsored by McKinley Scientific Discussion Leaders: Lucinda Hittle, Merck; Emily Ehrenfeld, Mozaic Solutions Panel Discussion:		
	Donald Chace, Pediatrix Analytical	Roy Vaz, Sanofi	
	Joanna Pols, Regeneron Pharmaceuticals	Eric Yang, GlaxoSmithKline	
	Robyn Rourick, Genentech	Yi Zhang, SCIEX	
6:00 PM - 9:00 PM	RECEPTION & SPONSOR'S DINNER		
University I & II	Hosted by SCIEX		
	Opening Remarks - Disease is the Enemy! Timothy Garret, University of Florida; Jim Shen, Bristol-Myers Squibb; Mike Lee, Milestone Development Services		
	CPSA Charitable Foundation		
	Paul Corcoran, McKinley Scientific; Shane Needham, Alturas Analytics; Emily Ehrenfeld, Mozaic Solutions		
	CPSA Institute		
	Paul Corcoran, McKinley Scientific; Emily Ehrenfeld, New Objective; Naidong Weng, Janssen Research & Development		
	Distinguished Lecture Series		
	Understanding the Importance of Metabolic Stability for Developing New Chemical Modalities into Therapeutics Mark Cancilla, Merck		





Tuesday September 27

7:30 AM - 8:30 AM	REGISTRATION & CONTINENTAL BREAKFAST
	University Ballroom Lobby
7:30 AM - 8:30 AM University I & II	GRADUATE STUDENT / MENTOR BREAKFAST Discussion Leaders: Petia Shipkova, Bristol-Myers Squibb and Mike Lee, Milestone Development Services
8:30 AM – 9:00 AM	WELCOME & OPENING REMARKS - DISEASE IS THE ENEMY!
University I & II	Welcome Mike Lee, Milestone Development Services
	Objectives, Format, and Opening Remarks Timothy Garrett, University of Florida; Jim Shen, Bristol-Myers Squibb
9:00 AM - 9:45 AM	PLENARY LECTURE
University I & II	How Metabolic Biomarkers Drive Discoveries from the Bench to the Clinic Scott Biller, Agios Pharmaceuticals

10:00 AM - 11:45 AM PARALLEL SESSIONS

Track I	Track II
Symposium Session	Colloquium Session
Villanova Amphitheater	Princeton I & II
 Clinical Mass Spectrometry: The Future's So Bright Discussion Leader: Timothy Garrett, University of Florida Assay Design for the Clinical Laboratory: Solutions and Future Directions Lorin Bachmann, Virginia Commonwealth University The Lipidyzer™ Platform: A Revolutionary Tool for Understanding the Role of Lipids in Disease Melanie Juba, SCIEX Mass Detection: Population Screening in Metabolism Donald Chace, Pediatrix Analytical 	 Clinical Dose Prediction: The Intersection of DMPK, Bioanalysis, Modeling and Clinical Sciences Discussion Leader: Naidong Weng, Janssen Research & Development Bioanalytical Challenge of Measuring Highly Protein Bound Drugs and Its Impact on Human Dose Prediction Xu, Xiaohui, Bristol-Myers Squibb Estimation of Volume of Nasal Secretion/Broncho Alveolar Lavage Using Urea as Marker of Dilution Yang Gao, Covance Quantitative Translational Approach for Clinical Dose and Probability of 'Technical Success' Prediction in Early Development Nahor Haddish-Berhane, Janssen Research & Development



Tuesday September 27

3:15 PM - 4:45 PM

12:00 PM – 1:00 PM	SPONSORED LUNCH & ROUNDTABLE DISCUSSION
University I & II	Sponsored by Shimadzu Scientific Instruments
	 Addressing the Challenges of LC-MS Analysis in the Clinical Lab: Transport Particles using LC-MS/MS and PLIN2 Detection in Urine Using the Perfinity Workstation. Fred Regnier, Novilytic
1:00 PM – 3:00 PM	POSTER SESSION & ROUNDTABLE DISCUSSION

University Lobby	Discussion Leaders: Mark Cancilla, Merck; Helene Cardasis, Thermo Fisher Scientific; Wenkui Li,
	Novartis; Matthew Szapacs, GlaxoSmithKline

Track III	Track IV-a	Track IV-b
Symposium Session	Colloquium Session	Colloquium Session
University I	University II	Lehigh
 New Technologies/Approaches to Quantitation Discussion Leader: Don Chace, Pediatrix Analytical Emerging Needs in the Pharmaceutical Industry Alla Kloss, Genzyme Application of High-Throughput Micro-Flow LC/MS/MS Metabolic Stability Screening Workflow Brendon Kapinos, Pfizer Differential Intensity Screening and Ranking of Unknown Protein Targets (DISRUPT): A Proteomic Method for the Rapid Identification of Novel Drug- Target Interactions Harris Bell-Temin, University of Pittsburgh 	 Fit for Purpose Biomarker Validation Discussion Leader: Michael Lassman, Merck Practical Considerations for Clinical LC-MS Biomarker Assay Validation Derek Chappell, Merck A Validated High Resolution LC/ MS Assay for Oxyntomodulin in Human and Rat Plasma Bradley Ackermann, Eli Lilly and Company 	Advanced Training in MassMetaSite/WebMetabase/ MassChemSite Structure Elucidation Tools Discussion Leader: Ismael Zamora, Molecular Discovery

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4:45 PM – 5:15 PM

LET THEM EAT CAKE!

PARALLEL SESSIONS

2nd Floor Lobby

Donald Chace, Pediatrix Analytical

8

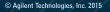
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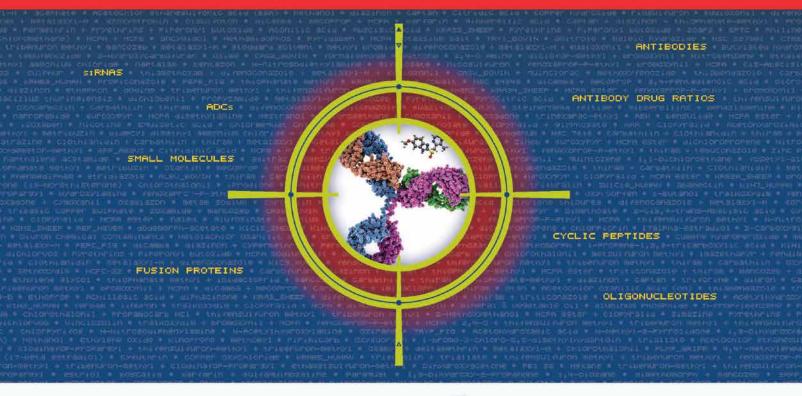
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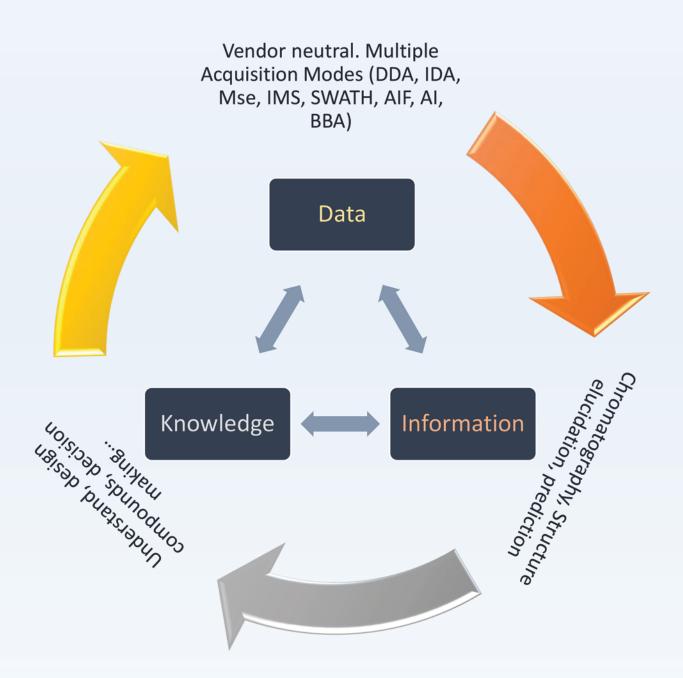




CPSA-USA 2016

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- Lipidomics analysis



Tuesday September 27

5:00 PM – 6:00 PM	SOCIAL HOUR & SPONSORED WORKSHOPS		
Princeton I	A Streamlined Approach for Biotherapeutic Characterization Sponsored by SCIEX		
	The Simpler and Faster Solution for Routine Biopharmaceutical Characterization Bob Haufler, SCIEX		
Princeton II	High Performance Meets Personalized Healthcare: The Prospects for Daily Performance Monitoring Sponsored by McKinley Scientific		
	Mike Lee, Milestone Development Tim Garrett, University of Florida Nathan Yates, University of Pittsburgh		
Villanova Amphitheater	High Resolution Accurate Mass Sponsored by Thermo Fisher Scientific		
	The Use of High Resolution Accurate Mass (HRAM) to Drive Maximum Information and Confidence in the Characterization of all Therapeutic Modalities.		
	Jonathan Josephs, Thermo Fisher Scientific		
6:30 PM - 9:30 PM	SPONSOR HOSPITALITY & EVENING WORKSHOPS		
University I	MICROSAMPLING SUMMIT		
	Sponsored by Drummond Scientific and McKinley Scientific		
	Discussion Leaders: Qin Ji, Bristol-Myers Squibb and Olga Kavetskaia, Pfizer		
	Discussion Panel:		
	Donald Chace, Pediatrix Analytical Christopher Haynes, CDC Kenneth Lewis, OpAns Wenkui Li, Novartis John Lin, Frontage Laboratories Neil Spooner, Spooner Bioanalytical Solutions Enaksha Wickremsinhe, Eli Lilly and Company Yang Xu, Merck		



Wednesday September 28

7:30 AM – 8:30 AM	REGISTRATION & CONTINENTAL BREAKFAST		
	University Ballroom Lobby		
7:30 AM - 8:30 AM	FOUR CORNERS INITIATIVE BREAKFAST		
University I & II	Discussion Leaders: Mark Arnold, Bioanalytical Solution Integration LLC and Lorin Bachmann, Virginia Commonwealth University		
8:30 AM – 10:00 AM	SYMPOSIA & ROUNDTABLE DISCUSSION		
University I & II	Protein/Clinical Biomarkers Discussion Leaders: Brad Ackermann, Eli Lilly & Co.; Randall Nelson, Arizona State University		
	 Quantitative Immunoaffinity LC-MS/MS of Therapeutic Targets and Trafficking Proteins in Tissues and Primary Cells Hendrik Neubert, Pfizer 		
	 Assessing Drug-Target Engagement in Tissue Biopsies Using Immunoaffinity LC-MS/MS Timothy Olah, Bristol-Myers Squibb 		
	 The Slow Embrace: A Personal Perspective on the Adoption of Mass Spectrometry in Clinical Practice Mark Duncan, University of Colorado at Denver 		
	 High-Throughput, High-Precision Protein Assays Via Mass Spectrometry: Longitudinal Measurement of Protein Biomarker Panels in Dried Blood Spots Leigh Anderson, SISCAPA 		
必難 CPSA	Clinical and Pharmaceutical Success from Discovery to Regulatory Approval: Biomarkers, Modeling, and Analytical Technologies 8th Annual Shanghai Symposium on Clinical & Pharmaceutical Solutions through Analysis		
SHANGHAI	Make plans now to attend CPSA Shanghai 2016! This annual meeting is evolving into the premier industry-led event dedicated to promoting awareness of issues and needs		

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 12 - 14, 2017 Renaissance Shanghai Pudong Hotel

Where Technology and Solutions Meet. Where East Meets West

2017

Program Chair

University of Pittsburgh



Wednesday September 28

Track V	Track VI-a	Track VI-b
Symposium Session Villanova Amphitheater	Colloquium Session Princeton I & II	Colloquium Session Lehigh Ballroom
 Data and Information Handling: The Invisible Puzzle Piece Discussion Leader: Roy Vaz, Sanofi Finding Potential Location Biomarkers for Cancer and the Advent of Computationally- Driven Experimentation Robert F. Murphy, Carnegie-Mellon University Metabolomics in Pharmaceutical Research: An Information-Driven Approach Harvey Lieberman, Sanofi/ Genzyme Untargeted Lipidomics: Applications and Warnings Laura Goracci, University of Perugia 	 A Focus on Phase I to Patient Trials: Enabling Technologies to Accelerate Drug Development Discussion Leader: Chad Briscoe, PRA Health Sciences Flow Cytometry and How Flow can be used to Demonstrate Target Engagement in Phase 1 Healthy Patient Studies Barry van der Strate, PRA Health Sciences Biomarker Applications in Phase 1 Chris Evans, GlaxoSmithKline On the Use of Radioisotope Tracers in Early Phase Clinical Pharmacokinetics and Metabolism Research – Let's Do More! Ad Roffel, PRA Health Sciences 	 Metabolite Identification and Databases: Industrial Workflows and Emerging Trends Discussion Leader: Ismael Zamora, Molecular Discovery Exploiting In Silico Techniques for Human Phase I Metabolism Prediction with Smartphone Gabriele Cruciani, University of Perugia Databasing Drug Metabolites to Influence the Design-Make-Test Drug Discovery Cycles Christopher J. Kochansky, Merck Approaches for Small Molecule Metabolite ID in Discovery Silvi A. Chacko, Bristol-Myers Squibb

12:00 PM	-1:00 PM
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SPONSORED LUNCH & ROUNDTABLE

University I & II

Sponsored by Thermo Fisher Scientific

 High Resolution Accurate Mass Quantitation: Tools for Meeting Analyte Detection Challenges Keelwy Murphy, Thermo Fisher Scientific



Wednesday September 28

1:15 PM – 2:15 PM	SOCIAL HOUR & SPONSORED WORKSHOPS
Princeton I	Workshop Sponsored by SCIEX
	 The QTRAP® 6500+ System: Proven Performance & Quantitative Excellence, with No Compromise Yi Zhang, SCIEX
	 Using Microflow LC-MS to Improve Sensitivity for the Quantitation of Biopharmaceuticals LC Remco van Soest, SCIEX
Princeton II	All Roads Lead to PicoChip: Nanoflow, Microflow and Beyond Sponsored by New Objective
	Moderator: Timothy Garrett, University of Florida
	 The Reproducible Revolution- Label Free Mass Spectrometry and the Need for Chromatographic Excellence Harris Bell-Temin, University of Pittsburgh
	 Low-Flow Doesn't Have to be Slow: Development and Optimization of High- throughput Micro-Flow LC Brendon Kapinos, Pfizer
	 Separation of peptides using PicoChip system Cliff Phaneuf, Genzyme
Villanova Amphitheater	Microsampling: Isn't it Bleedin' Obvious? Sponsored by Drummond Scientific
	Moderators: Neil Spooner, Spooner Bioanalytical Solutions and Joe Siple, Drummond Scientific
	Participants/Panelists:
	Kevin Bateman, Merck Donald Chace, Pediatrix Analytical Chris Evans, GlaxoSmithKline
	Shane Needham, Alturas Analytics

Tim Olah, Bristol-Myers Squibb



Wednesday September 28

Track VIII Track VII **Innovator Award Session** Steven A. Hofstadler Graduate Student Session University II Villanova Amphitheater Discussion Leaders: Mark Cancilla, Merck; Daniel Spellman, Inspiring Career Paths in the Sciences for Young Merck Scientists Sponsored by New Objective The CPSA Innovator Award provides formal recognition for innovative technologies, products and Discussion Leader: Petia Shipkova, Bristol-Myers Squibb services and is open to all participants in the CPSA Miniaturized Sampling Probes and Microfluidic ► Exhibition. Applicants can apply for consideration Devices for Monitoring Neurochemicals with High either with an abstract for poster session or a stand-Spatio-Temporal Resolution alone abstract without participating in the poster session Thitaphat Ngernsutivorakul, University of Michigan Investigating Metabolic Shifts from Exercise Routines ► Applications are formally reviewed by the Innovator Michelle Reid, University of Florida Award Committee. Awards will be presented during the Awards Presentation Session. Translational Top-Down Proteomics From A Single ► Draw Of Human Blood Timothy Toby, Northwestern University Mentors: Susan Abbatiello, Thermo Fisher Scientific; Brad Ackermann, Eli Lilly & Company; Paul Corcoran, McKinley Scientific; Patrick Fromal, Lucinda Hittle, Merck; Shimadzu; Jonathan Josephs, Thermo Fisher Scientific; Frank Kero, Biotage; Alla Kloss, Genzyme; Kenneth Lewis, OpAns; Eric Milgram, PepsiCo; Shane Needham, Alturas Analytics; Timothy Olah, Bristol-Myers Squibb; Joanna Pols, Regeneron; Suma Ramagiri, SCIEX; Robyn Rourick, Genentech; Petia Shipkova, Bristol-Myers Squibb; James Small, Merck; Gary Valaskovic, New Objective; Anthony Yeung, Fox Chase Cancer Center

PARALLEL SESSIONS

2:30 PM - 3:30 PM

 3:45 PM – 4:15 PM
 CPSA AWARD PRESENTATIONS

 Princeton I & II
 Sponsored by McKinley Scientific and New Objective

 > Innovator Award Presentation
Mark Cancilla, Merck and Daniel Spellman, Merck

 > Steven A. Hofstadler Graduate Student Award/Recognition
Petia Shipkova, Bristol-Myers Squibb and Emily Ehrenfeld, New Objective

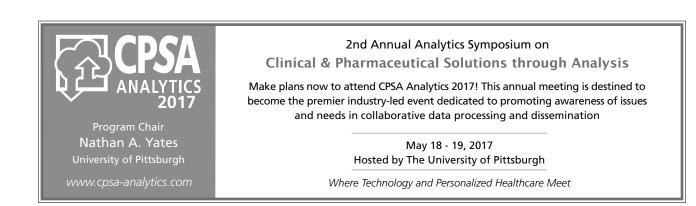
 > Program Chair Recognition
Mike Lee, Milestone Development Services

 > CPSA USA 2017 Program Chair
Timothy Garrett, University of Florida; Jim Shen, Bristol-Myers Squibb



Wednesday September 28

4:15 PM – 5:45 PM	KEYNOTE LECTURE PRESENTATION OF THE DISTINGUISHED ANALYTICAL SCIENTIST AWARD
Princeton I & II	Sponsored by McKinley Scientific and New Objective
	Keynote Lecture
	Translation of Biomarker Assays into the Clinic – What Differentiates Success from Failure?
	Lorin Bachmann, Virginia Commonwealth University
	Distinguished Analytical Scientist Award Presentation Introduction and presentation of award by D. Holmes Morton, Central Pennsylvania Clinic
	Baselines and Bottom Lines – Metabolism is Very Personal Donald Chace, Pediatrix Analytical
5:45 PM – 6:45 PM	EXHIBITION & SOCIAL HOUR - WHERE TECHNOLOGY AND SOLUTIONS MEET!
	University I and University Ballroom Lobby
6:45 PM – 9:00 PM	VENDOR SESSION - "5 MINUTES OF FAME" - 5MOF
University II	Hosted by Bernard Hirsh, Merrill Lynch
	Session Leaders: Mark Hayward, ITSP; Nicole Donnelly, PharmaCadence Analytical Services; Matt Szapacs, GlaxoSmithKline





Thursday September 29

7:30 AM – 8:30 AM	REGISTRATION & CONTINENTAL BREAKFAST	
	2nd Floor Lobby	
8:30 AM – 10:00 AM	COLLOQUIA & ROUNDTABLES	
Princeton I & II	Bioanalysis of New Modalities Using LC-MS/MS Discussion Leader: Guowen Liu, Agios Pharmaceuticals	
	 Development of Highly Sensitive Immunoaffinity LC-MS/MS methods for Free and Total Cyno Monkey IP-10 Levels in Serum in Support of Target Engagement Studies in Drug Discovery Hongwei Zhang, Bristol-Myers Squibb 	
	 Characterization of Pharmacokinetic Properties for a Site-specific Antibody Drug Conjugate (ADC) using Multiple-Platform Bioanalytical Assays Jian Chen, Celgene 	

 Considerations in Contracting Biomarkers Out: What are the Challenges, What to Ask, What to Expect, Where to Place even within the same CRO Patrick Bennett, PPD

10:15 AM - 11:45 AM	PARALLEL SESSIONS

Track VIII	Track IX
Symposium Session	Colloquium Session
Villanova Amphitheater	Lehigh
 Biomarkers from Start to Finish Discussion Leader: All Kloss, Genzyme Technology Development for Biomarker Discovery in Limited Clinical and Biological Samples Alexander Ivanov, Northeastern University Metabolomic Correlates of Cardiometabolic and Age-Related Phenotypes in the Community Susan Cheng, Brigham and Women's Hospital Exploring Target Identification Using the Cellular Thermal Shift Assay Approach Clifford Phaneuf, Sanofi	 Comparison of Traditional and Non-Traditional Strategies to Separate and Characterize Drug Metabolites Discussion Leader: James Small, Merck Impurity Isolations in Support of Drug Discovery Ray McClain, Merck Development of Relative Ion Mobility and Molecular Modeling (RIM3) as a Novel Approach to Metabolite Structural Identification lan Mcintosh, Merck Recent Advances in the Complex Structure Elucidation of Drug Metabolites via High Resolution Solution NMR James Small, Merck



Thursday September 29

12:00 PM – 1:15 PM	SPONSORED LUNCH & ROUNDTABLE DISCUSSION
Princeton I & II	Sponsored by New Objective, The University of Florida, and The University of Pittsburgh
	 Newborn Screening: A Balancing Act Full of Rewards Carla Cuthbert, CDC
1:30 PM – 3:00 PM	SYMPOSIA & ROUNDTABLE DISCUSSION
Villanova Amphitheater	New Alternative Instrumentation Discussion Leaders: Kevin Bateman, Merck and Rick King, PharmaCadence Analytical Services
3:00 PM	ADJOURN

3:00 PM

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THURSDAY, SEPTEMBER 29



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