

Symposium Overview

Day 1: Sample Preparation

9:00am *Sample Preparation: A Review of Current Practice (Invited)*

Lt. Robert M. Sears, MS, F-ABFT, Forensic Services Laboratory, South Carolina Law Enforcement Division< USA

10:00am *Completely Automated Hydrolysis, Extraction and Analysis of Opioids in Urine using a New Robotic Autosampler and LC/MS/MS Platform (sponsored)*

Dr. Fredrick Foster, GERSTEL, Inc.

10:15am *A Novel Technique for Simple and Fast Pulverization of Hair Samples (Invited)*

Dr. Jochen Beyer, Institute of Forensic Medicine, St. Gallen, Switzerland

11:15am *Simplify Urine Drug Testing with "Flash Hydrolysis" using a New Recombinant Glucuronidase Enzyme. (Sponsored)*

Tania A. Sasaki, Ph.D., Chief Scientific Officer, Northwest Physicians Laboratories

11:30am *Panel Discussion with All Presenters*

Day 2: Instrumental Method Development

9:00am *Analytical strategies to Identify Analytes of Forensic Interest in Routine Pharmacotoxicology Laboratories (Invited)*

Dr. Simona Pichini, Unit Head, Analytical Pharmacotoxicology, National Centre on Addiction and Doping, National Institute of Health, Rome Italy

10:00am *Strategy for Your Forensics Sample Preparation Workflow to Improve Sample Cleanup Efficiency, Method Performance, and Sample Test Productivity (Sponsored)*

Alexander Ucci, Application Engineer, Agilent Technologies, Inc.

10:15am *Methods for the High Throughput, non-FUDT, Forensic Toxicology Laboratory – The Past, The Present and the Future. (Invited)*

Robert A. Middleberg, Ph.D., F-ABFT, DABCC(TC), Laboratory Director, & Sr. V/P of Quality Assurance and Operations, NMS Labs

11:15am *Robustness of an Ultivo LC/TQ with Standard ESI Ion Source for High-throughput Testing of Drugs in Serum (sponsored)*

Theresa Sosienski, Ph.D. Agilent Technologies, Inc

11:30 am *Panel Discussion with All Presenters*

Day 3: Forensic Toxicology Method Validation

9:00am *A Consensus Based Approach to Method Validation in Forensic Toxicology (Invited)*

Marc A. LeBeau, PhD, F-ABFT, Senior Scientist, FBI Laboratory, Quantico, Virginia USA

10:00am *Advancing GC Intelligence to Improve Forensic Analyses (Sponsored)*

Rebecca Veeneman, PhD, Applications Chemist Manager, Agilent Technologies

10:15am *Practical Aspects of Method Validation(Invited)*

Priv.-Doz. Dr .Frank T. Peters, Head of Forensic & Clinical Toxicology, Institute of Forensic Medicine, Jena University Hospital Jena, Germany

11:15am *FIU Programs and Research in Forensic Science (Sponsored)*

Anthony P. DeCaprio, Ph.D., F-ABFT, Associate Professor, Department of Chemistry & Biochemistry, Florida International University

11:30am *Panel Discussion with All Presenters*

Day 4: Seized Drugs

9:00am Collaborative Forensic Strategies for Examining Emerging Drug Trends (Invited)

Agnes D. Winokur, Associate Laboratory Director, DEA Southeast Laboratory, USA

10:00am Sub-minute Screening Analysis using QuickProbe GC/MS (Sponsored)

Luis A. Cuadra-Rodriguez PhD, R&D Chemist, Agilent Technologies

10:15am Electronic Cigarettes and Cannabinoids – The Tangle of Unregulated Industries and Public Demand (Invited)

Michelle Peace, Associate Professor, Department of Forensic Science, Virginia Commonwealth University

11:15am Through-barrier and trace analysis of hazardous materials (sponsored)

Dr Robert Stokes, Head of Detection and Security Business, Agilent Technologies

11:30am *Panel Discussion with All Presenters*

Day 5: Trace Analysis

9:00am Standardization of Forensic Chemical Methods for the Examination and Comparison of Trace Evidence (Invited)

Jose Almirall, Professor of Chemistry and Biochemistry and Director, Center for Advanced Research in Forensic Science (CARFS), Florida International University

10:00am Emerging Applications in Forensics for ICP-MS (sponsored)

Bert Woods, Ph.D. ICP-MS Applications Scientist, Agilent Technologies

10:15am Analysis of Paint Evidence Using Infrared and Raman Spectroscopies (Invited)

Edward M. Suzuki, PhD, Supervising Forensic Scientist. Washington State Crime Laboratory. Washington State Patrol

11:15am Infrared Microscopy for Forensic Applications (sponsored)

Louis G. Tisinger, Ph.D., Molecular Spectroscopy Application Scientist, Agilent Technologies

11:30am *Panel Discussion with All Presenters*