

2021 Forensic Online Symposium
Seized Drugs Analysis
Chair: Ruth Waddell-Smith Co-Chair: Irene Breum Muller
January 18 – 22nd, 2021

Day 1 Monday, January 18th 9am EST – 12pm EST

THC Identification and Quantification

9:00 AM Development and validation of a quantitative method for determination of total THC in plant materials and extracts, Sandra E. Rodriguez-Cruz, Special Testing and Research Laboratory, Drug Enforcement Administration, USA

10:00AM Differentiating Cannabis and Hemp: An Evaluation of Some HPLC Methodologies, Craig S. Young, Shimadzu Scientific Instruments, Inc., USA

10:15AM qNMR – The all-in-one device for quantitative drug analysis, Torsten Schoenberger, Federal Criminal Police Office (BKA), Germany

11:15AM Cannabinoid Quantitation in Plants and Beyond: Liquids, Oils, Vape Cartridges and Edibles, Barry Logan, NMS Labs, USA

11:30AM Panel Discussion

12:00PM Close

Tuesday: Novel Psychoactive Substances: Global Trends and Challenges

9:00AM NPS Discovery: A Tool for Identifying Emerging NPS Trends in the United States in 2020, Barry Logan, Center for Forensic Science Research & Education, PA USA

10:00AM A Simplified Technique for Switching Between Two Columns in a GCMS, Alan Gallaspy, PerkinElmer

10:15AM NPS Data Hub – The global data sharing platform, not only for NPS, Torsten Schonberger, Federal Criminal Police Office (BKA), Germany

11:15AM tbd

11:30AM Panel Discussion

12:00PM Close

Wednesday: Novel Psychoactive Substances: New Methods for Screening and Identification, Part 1

9:00AM Infrared Spectroscopy n Identification of NPSs, Tamas Csesztregi, Hungarian Institute for Forensic Sciences, Hungary

10:00AM Screen for Drugs, Explosives, TICs, and CWAs in Under a Minute, Kirk Lokits, Agilent Technologies, USA

10:15AM John Goodpaster, Title tbd, Indiana University – Perdue University, Indianapolis, USA

11:15AM Development of a GC-IR Library for the Identification of Fentanyl Analogs, Kimiko Ferguson, Florida International University, Miami, FL

11:30AM Panel Discussion

12:00PM Close

Thursday: Novel Psychoactive Substances: New Methods for Screening and Identification, Part 2

9:00AM EST Towards a Re-envisioned Workflow for Seized Drug Analysis, Edward Sisco, National Institute of Standards and Technology, USA

10AM EST LC-MS/MS Method to Screen for Over 1,100 Drug Compounds, Kristine Van Natta, Thermo Fisher Scientific, USA

10:15AM EST Application of LC-HRMS for the analysis of NPS, Petur Dalsgaard, University of Copenhagen, Denmark

11:15AM EST Presumptive Identification of Seized Drugs Using DART-MS, Frederick Li, Ionsense, Inc., USA

11:30AM EST Panel Discussion

12:00PM EST Close

Friday: Portable Methods for On-site Screening and Identification

9:00AM Field Screening at High Hazard Clandestine Laboratories, Jarrad Wagner, School of Forensic Sciences, Oklahoma State University, USA

10:00AM Agilent, title tbd,

10:15 AM Claude Guillou, Title tbd, European Commision Joint Research Centre (JRC),

11:15AM tbd

11:30AM Panel Discussion

12:00 PM Close