

2017 EAS Conferences-in-Miniature

BIOANALYSIS

Technical Sessions

- Poster Session: Protein & Peptide Analysis (11/13)
- Innovative Analytical Approaches in Biotechnology (11/14 AM)
- Vibrational Characteristics of Biologics (11/15 AM)
- Characterization and Control of mAb, Protein and Peptide Therapeutics (11/15 AM)
- Analysis of Peptides and Proteins in Biological Samples in Support of Drug Discovery and Development (11/15 PM)

CHEMOMETRICS

Technical Session

- EAS Award for Outstanding Achievements in Chemometrics, Honoring Barry Lavine, Oklahoma State University (11/14 PM)

Short Courses

- Chemometrics Without Equations I & II (11/12-11/13)
- Introduction to Chemometrics Without Equations (11/12)
- Intermediate Chemometrics Without Equations (11/13)

COMPLIANCE & QUALITY CONTROL

Technical Sessions

- From Biorelevant to Quality Control - Formulation Performance Assessment and *In-Vitro* Drug Release (11/13 PM)
- Quality Control Testing of Pharmaceutical Products (11/15 AM)

Short Courses

- Keeping Your Analytical Procedures in Compliance with the FDA: Validation, Documentation, and Investigation (11/12)
- Update on New Analytical Requirements of US Pharmacopeia General Chapters (11/13)
- Quality by Design: A New Paradigm for the Analytical Laboratory: Part 1 &/or Part 2 (11/14-11/15)

CONSERVATION SCIENCE

All sessions organized by the New York Conservation Foundation

Technical Sessions

- Vibration Science and Technology for Cultural Heritage I (11/14 AM)
- Vibration Science and Technology for Cultural Heritage II (11/14 PM)
- Vibration Science and Technology for Cultural Heritage III (11/15 AM)

CONSUMER PRODUCTS

Technical Sessions

- Monitoring Water Quality to Prevent Future Flints (11/13 AM)
- The Cannabinoids Story - From Research, Medical Use, and Abuse (11/15 AM)

ENVIRONMENTAL & FOOD ANALYSIS

Technical Sessions

- The Challenge of Testing for Mutagenic Impurities While Considering the Total Exposure (11/13 AM)
- Poster Session: Green Analysis (11/13)
- Monitoring Pollution and Climate Change (11/13 PM)
- Poster Session: Environmental Analysis (11/15)
- Go with the Flow: Flavonoids, Formulation and Volatiles in Foods (11/15 PM)

FORENSIC & MICROSCOPY ANALYSIS

Technical Sessions

- Industrial Applications of Atomic Force Microscopy (11/13 AM)
- Forensic Microscopy XI "What is it? Who does it?" (11/13 PM)
- Research from our Emerging Forensic Scientists (11/14 AM)
- Breaking Bad Chemistry: The Forensic Response to Clandestine Labs (11/14 PM)
- Poster Session: Forensic Analysis (11/14)
- The Cannabinoids Story: From Research, Medical Use, and Abuse (11/15 AM)
- Forensics in Focus (11/15 PM)

FUNDING & LABORATORY MANAGEMENT

Technical Sessions

- Funding Analytical Research in Challenging Times: NSF and Beyond (11/13 AM)
- In- or -Outsourcing? That is the Question (11/15 PM)
- Challenges of Lifecycle Management of Method Validation (11/15 PM)

Short Courses

- Keeping Your Analytical Procedures in Compliance with the FDA: Validation, Documentation, and Investigation (11/12)
- Update on New Analytical Requirements of US Pharmacopeia General Chapters (11/13)
- Process Analytical Technology/Quality by Design: Enhancing Effectiveness in the Analytical Laboratory (11/13)
- A Systematic Way for Analytical Chemists to Prepare for a Quality Audit or Regulatory Inspection (11/14)

GAS CHROMATOGRAPHY

Technical Sessions

- Building the Future in Sample Preparation with Young Investigators (11/13 AM)
- EAS Award for Outstanding Achievements in the Fields of Analytical Chemistry, Honoring Janusz Pawliszyn, University of Waterloo (11/13 PM)
- Increasing High-Throughput from Sample Preparation to Engineering (11/13 PM)
- American Microchemical Society Benedetti-Pichler Award, Honoring Somenath Mitra, NJ Institute of Technology (11/14 AM)
- Modern Advances in Gas Chromatography (11/14 PM)
- Emerging Frontiers in High-Throughput Analysis for Process Research & Development (11/14 PM)
- Poster Session: Gas Chromatography (11/15)

Short Courses

- Practical Gas Chromatography (11/12-11/13)
- Troubleshooting Chromatographic Systems (11/14-11/15)
- Getting the most from GC and GC/MS (11/15)

LIQUID CHROMATOGRAPHY

Technical Sessions

- Development and Optimization of Analytical LC (11/13 AM)
- Building the Future in Sample Preparation with Young Investigators (11/13 AM)
- Poster Session: HPLC Techniques (11/13)
- EAS Award for Outstanding Achievements in the Fields of Analytical Chemistry, Honoring Janusz Pawliszyn, University of Waterloo (11/13 PM)
- Advancements in Chromatography and Electrophoresis (11/13 PM)
- Increasing High-Throughput from Sample Preparation to Engineering (11/13 PM)
- EAS Award for Outstanding Achievements in Separation Sciences, Honoring Christopher Welch, Welch Innovation, LLC (11/14 AM)

LIQUID CHROMATOGRAPHY (continued)

- Poster Session: HPLC Applications (11/14)
- Emerging Frontiers in High-Throughput Analysis for Process Research & Development (11/14 PM)
- EAS Young Investigator Award; Recent Advances in 2D-LC, Part 1: Fundamentals, Instrumentation, and Column Technology (11/15 AM)
- Recent Advances in 2D-LC, Part 2: Solving Real-World Problems in the Pharmaceutical and Chemical Industries (11/15 PM)

Short Courses

- LC/MS: Theory, Instruments, and Applications (11/12-11/13)
- LC/MS Method Development for Small Molecule Pharmaceuticals (11/13)
- Modern HPLC/UHPLC for Practicing Scientists Parts 1 &/or Part 2: Fundamentals, Best Practices and Applications (11/13-11/14)
- Troubleshooting Chromatographic Systems (11/14-11/15)
- How to Develop Validated HPLC Methods: Rational Design with Practical Statistics and Troubleshooting (11/14-11/15)

MASS SPECTROMETRY**Technical Sessions**

- Poster Session: Advances with Mass Spectrometry (11/13)
- Poster Session: Mass Spectrometry Biotransformations (11/14)
- Applications Using Matrix Assisted Laser Desorption Ionization Mass Spectrometry (11/14 PM)
- EAS Award for Outstanding Achievements in Mass Spectrometry, Honoring Scott McLuckey, Purdue University (11/15 AM)
- Innovations & Applications in Mass Spectrometric Analysis (11/15 PM)

Short Courses

- Interpretation of Mass Spectra with Practical Solutions to Problems (11/12)
- LC/MS: Theory, Instruments, and Applications (11/12-11/13)
- LC/MS Method Development for Small Molecule Pharmaceuticals (11/13)
- Getting the most from GC and GC/MS (11/15)

NMR SPECTROSCOPY**Technical Sessions**

- EAS Award for Outstanding Achievements in Magnetic Resonance, Honoring Bernhard Blümich, RWTH Aachen University (11/13 AM)
- Poster Session: Nuclear Magnetic Resonance (11/13)
- Solid-State NMR of Natural Products: Life Without Labels (11/13 PM)
- Integrating Solid State NMR Experiment and Prediction (11/14 AM)
- NMR Analysis of Complex Systems: Computer-Assisted Analysis and Pulse Sequence Development (11/14 PM)
- NMR Spectroscopy of Unique Materials and Unusual Applications (11/15 AM)

PHARMACEUTICAL ANALYSIS**Technical Sessions**

- From Biorelevant to Quality Control - Formulation Performance Assessment and In-Vitro Drug Release (11/13 PM)
- Poster Session: Pharmaceutical Formulations (11/14)
- Performance Testing and Impurity Analysis of Pharmaceutical Products (11/14 PM)
- Quality Control Testing of Pharmaceutical Products (11/15 AM)
- Characterization and Control of mAb, Protein and Peptide Therapeutics (11/15 AM)
- Poster Session: Pharmaceutical API (11/15)
- Analysis of Peptides and Proteins in Biological Samples in Support of Drug Discovery and Development (11/15 PM)
- Spectroscopic Applications of Process Analytical Technology in the Biopharmaceutical and Chemical Industries (11/15 PM)

Short Courses

- Keeping Your Analytical Procedures in Compliance with the FDA: Validation, Documentation, and Investigation (11/12)
- Lifecycle Approach to Analytical Methods: Incorporating Quality by Design Concepts into Method Development, Validation, Verification and Transfer (11/12)
- LC/MS Method Development for Small Molecule Pharmaceuticals (11/13)
- Update on New Analytical Requirements of US Pharmacopeia General Chapters (11/13)
- Evaluation of Trace/Ultratrace Impurities in Pharmaceuticals (11/15)

SPECTROSCOPY**Technical Sessions**

- New York/New Jersey Section of the Society for Applied Spectroscopy Gold Medal Award, Honoring Richard Van Duyne, Northwestern University (11/13 AM)
- New Frontiers in Solid Analysis Spectroscopy (11/13 AM)
- Ultrasensitive Spectroscopy (11/13 PM)
- Spectroscopy for Counterfeit Detection (11/14 AM)
- Transforming Multivariate Data Into Knowledge (11/14 AM)
- Surface Science and Spectroscopy (11/14 PM)
- The Depth and Breadth of Vibrational Spectroscopy (11/14 PM)
- Vibrational Characteristics of Biologics (11/15 AM)
- Poster Session: Sensors & Surface Science (11/15)
- Poster Session: Spectroscopy (11/15)
- Spectroscopic Applications of Process Analytical Technology in the Biopharmaceutical and Chemical Industries (11/15 PM)

Short Course

- Introduction to Vibrational Spectroscopy for Real-Time Analysis (11/12)