

2013 EAS Conferences-in-Miniature

BIOANALYSIS

Technical Sessions

- American Microchemical Society Benedetti-Pichler Award, Honoring Mark A. Hayes (11/18 AM)
- EAS Award for Outstanding Achievements in the Fields of Analytical Chemistry, Honoring Irving Wainer (11/18 PM)
- New Technology for Quantitation of Intracellular Drugs in Transporter Studies (11/19 AM)
- Drug, Biomarker and Cellular Bioanalysis (11/19 PM)
- Advances in Fast and High Performance Bio-Analytical Separation Techniques (11/20 AM)

Short Course

- Interpretation of Mass Spectra with Practical Solutions to Problems (11/19)

CHEMOMETRICS

Technical Sessions

- EAS Award for Outstanding Achievements in Chemometrics, Honoring Olav Martin Kvalheim (11/19 AM)
- Special Topics in Chemometrics and Quality-by-Design (11/19 PM)
- Advancements in Chemometric Data Treatment (11/20 PM)

Short Courses

- Chemometrics Without Equations I & II (11/17-11/18)
- Introduction to Chemometrics Without Equations (11/17)
- Intermediate Chemometrics Without Equations (11/18)

CONSERVATION SCIENCE

Technical Sessions

- Environmental Analysis for Cultural Heritage Part I (11/18 AM)
- Environmental Analysis for Cultural Heritage Part II (11/18 PM)
- Analytical Imaging for Cultural Heritage Part I (11/19 AM)
- Analytical Imaging for Cultural Heritage Part II (11/19 PM)

Short Course

- Practical, Scientific Use of Photogrammetry and Structure from Motion Technologies in Cultural Heritage (11/20)

CONSUMER PRODUCTS

Technical Sessions

- Challenges of Impurity Quantitation in Pharmaceutical Analysis (11/19 AM)
- USP Compendial Standards: Recent and Future Updates (11/20 AM)
- What's in the Cabinet? Looking at Everyday Items in a New Light (11/20 AM)
- Consumer Products - Challenges & Strategies (11/20 PM)

EDUCATION

Technical Session

- ACS Certification - How, When, Why (11/20 PM)

Seminars

- Chemistry and Climate Dynamics (11/17 PM)
- Chemistry and Climate Change (11/18 AM)
- Analytical Chemistry and Forensic Science (11/19 AM)
- Chemical Identity via Mass Spectrometry (11/20 AM)

Workshops

- Acquiring the Skills of a New Manager (11/18 AM)
- Subliminal Communication Skills – How to Get Your Boss to Agree with You (11/19 AM)
- A Little Help from my Friends: Mentors, Coaches, and Sponsors (11/20 AM)

ENVIRONMENTAL ANALYSIS

Technical Sessions

- Manufacturing, Pharmaceutical and Environmental Applications of GC and GC/MS (11/18 AM)
- Practical Trace Analysis in Forensic and Environmental Applications (11/18 AM)
- Environmental Surface Chemistry (11/19 AM)
- Keeping Water Safe: Analysis of Aqueous Systems (11/19 PM)
- Poster Session: Environmental Analysis (11/20)

FORENSIC ANALYSIS

Technical Sessions

- Practical Trace Analysis in Forensic and Environmental Applications (11/18 AM)
- Innovations in Forensic Drug Analysis (11/19 AM)
- Forensic Toxicology: From Sample to Interpretation (11/19 PM)
- Forensic Microscopy VII "What is it? Who does it?" (11/20 AM)

GAS CHROMATOGRAPHY

Technical Sessions

- Manufacturing, Pharmaceutical and Environmental Applications of GC and GC/MS (11/18 AM)
- Poster Session: Chromatography: Coupled Methods of Analysis (11/18)
- Poster Session: GC+GC+MS (11/19)
- Advancements in HPLC Stationary Phases and GC Carrier Gases (11/20 PM)

Short Courses

- Practical Gas Chromatography (11/17-11/18)
- Troubleshooting Chromatographic Systems (11/20-11/21)
- Sample Preparation: The Chemistry Behind the Techniques (11/19)

INFRARED SPECTROSCOPY

Technical Sessions

- What's New in NIR Analysis? (11/19)
- EAS Award for Outstanding Achievements in NIR, Honoring Susan Foulk (11/20 AM)

LABORATORY MANAGEMENT

Technical Session

- The Key to a Successful Laboratory: Working Smarter (11/20 AM)

Short Course

- The Art of Managing a High Performance Laboratory (11/20 PM)

Workshop

- Acquiring the Skills of a New Manager (11/18 AM)

LIQUID CHROMATOGRAPHY

Technical Sessions

- Carbon Dioxide-Based HPLC: Modern SFC (11/18 AM)
- Recent Advances and Novel Applications of UHPLC (11/18 AM)
- Poster Session: HPLC/UHPLC Techniques (11/18)
- Poster Session: Chromatography: Coupled Methods of Analysis (11/18)
- EAS Award for Outstanding Achievements in the Fields of Analytical Chemistry, Honoring Irving Wainer (11/18 PM)
- Women in Chromatography: Solving Real Life Problems (11/18 PM)
- EAS Award for Outstanding Achievements in Separation Science, Honoring Mark R. Schure (11/19 AM)
- Multidimensional Chromatography (11/19 PM)
- Advances in Fast and High Performance Bio-Analytical Separation Techniques (11/20 AM)
- Poster Session: Applications of HPLC and UHPLC (11/20)
- Advancements in HPLC Stationary Phases & GC Carrier Gases (11/20 PM)

LIQUID CHROMATOGRAPHY (continued)**Short Courses**

- LC/MS: Theory, Instruments, and Applications (11/17-11/18)
- Essentials of Modern HPLC/UHPLC I and II (11/17-11/18)
- Essentials of Modern HPLC/UHPLC I: Fundamentals & Applications (11/17)
- Essentials of Modern HPLC/UHPLC II: Practice, Operation, Trouble- shooting and Method Development (11/18)
- How to Develop Validated HPLC Methods: Rational Design with Practical Statistics and Troubleshooting (11/18-11/19)
- Troubleshooting Chromatographic Systems (11/20-11/21)

MASS SPECTROMETRY**Technical Sessions**

- Manufacturing, Pharmaceutical and Environmental Applications of GC and GC/MS (11/18 AM)
- High Resolution Mass Spectrometry for Small and Large Molecule Characterization and Detection (11/18 PM)
- Mass Spectrometry – A Powerful Technology for the Biotech and Pharmaceutical Scientist (11/19 AM)
- New Technology for Quantitation of Intracellular Drugs in Transporter Studies (11/19 AM)
- Poster Session: GC/GC/MS (11/19)
- EAS Award for Outstanding Achievements in Mass Spectrometry, Honoring Michael L. Gross (11/19 PM)
- Drug, Biomarker and Cellular Bioanalysis (11/19 PM)

Short Courses

- LC/MS: Theory, Instruments, and Applications (11/17-11/18)
- Interpretation of Mass Spectra with Practical Solutions to Problems (11/19)

NMR SPECTROSCOPY**Technical Sessions**

- NMR of Molecules: Small and Large (11/18 AM)
- Applications of NMR Spectroscopy from Small Molecules to Large Assemblies (11/18 PM)
- Structural Studies by Magnetic Resonance Spectroscopy (11/19 AM)
- EAS New Faculty Award in NMR Spectroscopy (11/19 PM)
- Applications of NMR in the Pharmaceutical Industry (11/20 AM)
- EAS Award for Outstanding Achievements in Magnetic Resonance, Honoring Dennis A. Torchia (11/20 PM)

Short Course

- NMR: Basic Theory, Spectral Interpretation and Applications (11/19)

PHARMACEUTICAL ANALYSIS**Technical Sessions**

- Analytical Inhalation Session: Bringing Patients into the Lab (11/18 AM)
- Manufacturing, Pharmaceutical and Environmental Applications of GC and GC/MS (11/18 AM)
- Poster Session: Pharmaceutical Analysis: QbD, Inhalation, Solid State Techniques (11/18)
- Challenges of Impurity Quantitation in Pharmaceutical Analysis (11/19 AM)
- Poster Session: Pharmaceutical Analysis, Dissolution and Other Techniques (11/19)
- Special Topics in Chemometrics and Quality-by-Design (11/19 PM)
- USP Compendial Standards: Recent and Future Updates (11/20 AM)
- Spectroscopic Imaging for Dissolution and Pharmaceutical Development (11/20 AM)
- PAT for Continuous Manufacturing and Real-Time Release Testing (11/20 AM)
- Applications of NMR in the Pharmaceutical Industry (11/20 AM)
- Poster Session: Pharmaceutical Analysis and Separation Sciences (11/20)
- Analytical, Process, Regulatory Perspectives in Quality by Design for Biologics Development (11/20 PM)
- Physical Measurements for Pharmaceutical Products (11/20 PM)

Short Courses

(Please also see MS and LC listings for additional courses)

- Physical Characterization and Analytical Test of Pharmaceutical Solids I & II: Essential Knowledge & Advanced Applications (11/17-11/18)
- Quality-by-Design: A New Paradigm for the Analytical Laboratory I & II (11/17-11/18)

PHARMACEUTICAL ANALYSIS continued**Short Courses (continued)**

- Physical Characterization and Analytical Test of Pharmaceutical Solids I: Essential Knowledge (11/17)
- Quality-by-Design (QbD): A New Paradigm for the Analytical Laboratory I: Fundamentals for Analytical Chemists (11/17)
- Qualification of Analytical Instruments for the Pharmaceutical Laboratory (11/17)
- Physical Characterization and Analytical Test of Pharmaceutical Solids II: Advanced Applications (11/18)
- Polymers: An Introduction and Characterization Techniques (11/18)
- Quality-by-Design (QbD): A New Paradigm for the Analytical Laboratory II: Design of Experiments (DOE) for Analytical Chemists (11/18)
- Dissolution: A Rational Approach to Developing and Validating Methods for a Variety of Purposes (11/19)
- The Chemistry of Drug Degradation (11/19)
- Development, Validation, Verification and Transfer of Analytical Methods: A Lifecycle Approach of Analytical Methods (11/20)

RAMAN SPECTROSCOPY**Technical Sessions**

- Spectroscopic Applications in Biologics (11/18 PM)
- Innovations in Forensic Drug Analysis (11/19 AM)
- Spectroscopic Applications in Biomedical Sensing (11/19 PM)
- Advanced Vibration Spectroscopy: Instrumentation and Applications (11/19 PM)

SAMPLE PREPARATION**Technical Sessions**

- Poster Session: Chromatography: Coupled Methods of Analysis (11/18)
- Speeding Up Sample Preparation (11/20 PM)

Short Course

- Sample Preparation: The Chemistry Behind the Techniques (11/19)

STRUCTURAL CHEMISTRY**Technical Session**

- Physical Measurements for Pharmaceutical Products (11/20 PM)

Short Course

- Polymers: An Introduction and Characterization Techniques (11/18)

SUPERCRITICAL FLUID CHROMATOGRAPHY**Technical Sessions**

- Carbon Dioxide-Based HPLC: Modern SFC (11/18 AM)
- Poster Session: Chromatography: Coupled Methods of Analysis (11/18)
- SFC as an Analytical and Preparative Tool (11/18 PM)

SURFACE ANALYSIS**Technical Sessions**

- Spectroscopy for Surface Science, Nano Materials and Fiber Analysis (11/18 AM)
- Spectroscopy at Surfaces and Interfaces (11/18 PM)
- Environmental Surface Chemistry (11/19 AM)

VIBRATIONAL & ELECTRONIC SPECTROSCOPY**Technical Sessions**

- Spectroscopy for Surface Science, Nano Materials and Fiber Analysis (11/18 AM)
- Spectroscopic Applications in Biologics (11/18 PM)
- Applications of NMR Spectroscopy from Small Molecule to Large Assemblies (11/18 PM)
- Poster Session: Spectroscopy (11/19)
- Spectroscopic Applications in Biomedical Sensing (11/19 PM)
- Advanced Vibration Spectroscopy: Instrumentation and Applications (11/19 PM)
- What's New in NIR Analysis? (11/19 PM)
- Vibrate or Rotate - Techniques for Solving Problems with Spectroscopy (11/20 PM)