



EASTERN ANALYTICAL SYMPOSIUM & EXPOSITION



Navigate the Future of Analytical Chemistry: Intelligence and Integrity

Nov. 16–18, 2026

Crowne Plaza Princeton
Conference Center
Plainsboro, NJ

- ★ 3 Days of Exposition & Technical Program
- ★ 4 Days of Short Courses
- ★ Career Development Opportunities



2026 EAS PRELIMINARY PROGRAM

Message from the President of the Governing Board



July 2026 marks an extraordinary milestone of celebration and reflection. While the world gathers in North America for the **FIFA World Cup** and the United States commemorates its **250th Independence Anniversary**, the Eastern Analytical Symposium (EAS) is thrilled to celebrate a landmark of its own this year: our **65th Anniversary**. Here I would like to share with you the Preliminary Program of our annual event in **November 16–18, 2026**, at the **Crowne Plaza Princeton Conference Center** in Plainsboro, NJ.

Our theme this year is “**Navigate the Future of Analytical Chemistry: Intelligence and Integrity**”. We are highly honored to welcome our 2026 Keynote Speaker, **Dr. Christopher R. Kinsinger**, Assistant Director for Catalytic Data Resources at the National Institutes of Health (NIH) Common Fund. On Monday, November 16, he will present his address *AI-Ready Data and Analytical Methods for Health Research*. His talk will be joined by several essential sessions in our technical program on the artificial intelligence in analytical chemistry below:

- **In-Silico Intelligence for Analytical Characterization of Pharmaceutical Products** (Monday, Nov. 16)
- **Integrating Artificial Intelligence and Real-World Data into Pharmaceutical Development and Quality** (Tuesday, Nov. 17)
- **Data-Driven Analytical Chemistry: From Chemometrics to Artificial Intelligence** (Wednesday, Nov. 18)
- **Reliable AI Agents for Analytical Science: Linking Digital Design with Instrument Execution** (In-Person Workshop, Wednesday, Nov. 18)

In honor of our **65th Anniversary**, Monday afternoon (Nov. 16) will feature a dedicated special session “**EAS’s 65th Anniversary**” where renowned scientists will trace the fascinating evolution of analytical chemistry. On Tuesday afternoon (Nov. 17), we will host our **EAS Special Award Session** to celebrate the pioneering research of all six of our 2026 EAS Awardees.

Beyond the technical symposia, EAS remains a premier hub for professional development. We are offering more than **25 expert-led, in-person short courses** ranging from half-day to two-day sessions designed to refresh your skills and fit your schedule. Additionally, our vibrant Exhibition provides the ideal venue to connect with instrument manufacturers, view live demonstrations, and source cutting-edge technologies to optimize your laboratory workflows.

Exciting news for our college students: EAS is accepting applications for the November 2026 – November 2027 student representative position. Please email your applications consisting of a CV and a cover letter to askeas@eas.org by September 15, 2026. We are also inviting students to participate in the 2026 EAS Virtual Student Symposium (VSS) to be held on September 14, 2026, 10:00 am – 5:00 pm. The deadline for submitting papers & registration for VSS is September 1, 2026. See page 21 for more information.

Thank you for your continued dedication to scientific excellence. I look forward to welcoming you to EAS 2026 this November as we collectively navigate the future of analytical chemistry. Please register online at www.eas.org before **October 15, 2026**, to take advantage of our discounted early-bird registration rates

Follow us on social media:



Jason Shen, Ph.D.
2026 EAS President

[Click here to register](#)



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2026 EAS PRELIMINARY PROGRAM

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The Eastern Analytical Symposium & Exposition is sponsored by the Analytical Division, the North Jersey and the New York Sections of the American Chemical Society; the American Microchemical Society; the Chromatography Forum of Delaware Valley; the New York Microscopical Society; the Coblenz Society; the Delaware Valley, New England, & New York Sections of the Society for Applied Spectroscopy; the Association of Laboratory Managers; the New Jersey Association of Forensic Scientists; and the Chinese American Chromatography Association.

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Eastern Analytical Symposium & Exposition, Inc. reserves the right, without notice, to modify the material or schedules, as well as to amend the roster of presenters or instructors.



EAS General Information & Schedule

Technical Sessions

All oral & poster technical sessions are held in the Crowne Plaza Conference Center. Room assignments for the various sessions will be located in the Final Program.

Schedule

Oral Technical Sessions

Monday - Tuesday

9:00am-11:30am; 1:30pm-4:00pm

Wednesday

9:00am-11:30am; 1:00pm-3:00pm

Special Lectures

Monday

4:15pm Keynote Lecture
Dr. Christopher Kinsinger, National Institutes of Health

Tuesday

1:15pm EAS Award Session

Schedule

Electronic Poster Sessions

Posters are displayed only on the designated day of the poster session.

Monday & Tuesday Session 1

Poster Set-Up: 9:00am-10:00am

Displayed: 10:00am-12:25pm

Authors Available: 11:30am-12:25pm

Posters Removed: 12:25pm

Monday & Tuesday Session 2

Poster Set-Up: 9:00am-10:00am

Displayed: 12:30pm-4:00pm

Authors Available: 12:30pm-1:25pm

Posters Removed: 4:00pm

Wednesday

Poster Set-Up: 9:00am-10:00am

Displayed: 10:00am-3:00pm

Authors Available: 12:30pm-1:15pm

Posters Removed: 1:30pm

EAS Short Courses

You must pick up your Full Conferee registration information prior to going to the short course.

Sunday - Wednesday

8:30am to 5:00pm

Employment Bureau

Virtual Employment Bureau! See details in this program.

Professional Development Workshops

An EAS registration is required to attend these workshops. Pre-registration is requested.

Friday, Nov. 7 (via Zoom)

12:00pm to 1:00pm

Wednesday, Nov. 12 (via Zoom)

12:00pm to 1:00pm

Monday, November 17 (Onsite)

12:00pm to 1:00pm

Tuesday, November 18 (Onsite)

12:00pm to 1:00pm

Attendee Registration Hours

Sunday

Short Course: 7:30am - 9:00am

All attendees: 3:00pm - 5:00pm

Monday

7:00am - 5:30pm

Tuesday

7:00am - 5:30pm

Wednesday

8:00am - 3:00pm

Exposition Schedule

Sunday

Open for exhibitor set-up only

Monday

Hours: 10:00am to 6:30pm

There will be Keynote Reception in the Expo Rooms from 5:15pm-6:30pm.

Tuesday

Hours: 10:00am to 5:30pm

There will be a special Mixer in the Expo Rooms from 4:30pm-5:30pm.

Wednesday

Hours: 10:00am to 1:00pm

Exhibitor Registration Desk Hours

Sunday

8:00am to 6:00pm

Monday

8:30am - 5:30pm

Tuesday

8:30am - 4:30pm

Wednesday

8:30am - 8:30pm

Camera & Cell Phone Use

The use of cameras and cell phones is not permitted during program sessions. Cameras are permitted on the exhibit floor; however, permission from the exhibitors involved must be obtained before photographs may be taken.

Badges

Your badge is your admission to many of the activities at the 2026 EAS. Please make sure that you remember to bring it with you when you come to the meeting. There is a \$25 fee for the processing of lost or misplaced badges. Badges are non-transferable.

More Information

EAS Hotline: 732-449-2280

EAS E-mail: askEAS@EAS.org

Website: eas.org

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2026 EAS CONFERENCES-IN-MINIATURE

EAS AWARD SESSION

Technical Session (11/17; PM)

- EAS Award for Outstanding Achievements in the Fields of Analytical Chemistry, Honoring **Richard van Breemen**, Oregon State University
- EAS Award for Outstanding Achievements in Separation Science, Honoring **David Bell**, Phieux Technologies
- EAS Award for Outstanding Achievements in Mass Spectrometry, Honoring **Joshua Coon**, University of Wisconsin-Madison
- EAS Award for Outstanding Achievements in Magnetic Resonance, Honoring **Robert Schurko**, Post-Humous
- EAS Award for Outstanding Achievements in Vibrational Spectroscopy, Honoring **Brooke Kammrath**, University of New Haven
- EAS Young Investigator Award, Honoring **Xin Yan**, Texas A&M University

ANNIVERSARY

Technical Session

- EAS's 65th Anniversary Session (11/16; PM)

AUTOMATION / MACHINE LEARNING

Technical Sessions

- Overcoming Challenges in Machine Learning Near the Limit of Determination (11/16; PM)
- Integrating Automation into Chemical Analysis (11/18; AM)
- Analytical Techniques for Sensing, Metrology, and Materials Characterization (11/18; AM)
- Data-Driven Analytical Chemistry: From Chemometrics to Artificial Intelligence (11/18; PM)

Short Course

- Chemometrics without Equations (or Hardly Any) (11/15)

CHROMATOGRAPHY

Technical Sessions

- Celebrating 60 years of the CFDV: The Founding Fathers (11/16; AM)
- Explore the Application of Novel Techniques to Enhance Pharmaceutical Research in Drug Discovery and Development (11/16; AM)
- Advances in Liquid Chromatography: Column Technology, Method Development, and Biopharmaceutical Analysis (11/16; PM)
- Modern Separation Strategies for Chemical Residue Analysis in Complex Matrices (11/16; AM)
- Expanding Supercritical Fluids Extraction and Chromatographic Applications Beyond a Firm Foothold in Pharmaceuticals (11/17; AM)
- Gas Chromatography for Sensitive and Reliable Chemical Analysis (11/17; AM)
- Advances in Separation Science Instrumentation (11/16; PM)
- Chromatographic Solutions for Complex Analytical Challenges (11/18; PM)

Short Courses

- HPLC and UHPLC for Practicing Scientists 1 and 2: Fundamentals, Method Development, and Troubleshooting (11/5 - 11/16)
- Practical LC-MS/MS Method Development and Sample Preparation (11/15 - 11/16)
- Supercritical Fluid Chromatography (11/15)
- Getting the most from GC and GC/MS (11/16)
- Sample Preparation for Chromatography (11/16)

CHROMATOGRAPHY (continued)

Short Courses

- Best Practice Data Analysis for Reliable Chromatographic Results (11/17)
- Painless Gas Chromatography Bootcamp - Show Your GC Who's Boss (11/18)
- Systematic HPLC Troubleshooting: A Practical, Case Study Driven Approach (11/18)

CONSERVATION SCIENCE

Technical Sessions

- Instrumental Analysis in Cultural Heritage (11/18; AM)

E-POSTER SESSIONS

E-Posters on display each day from 11:30am – 1:30pm on all areas of analytical science. Sept. 1 is the deadline to submit a poster abstract.

ENVIRONMENTAL ANALYSIS

Technical Sessions

- Analysis of PFAS in the Environment and Various Everyday Consumer Products (11/16; PM)
- Nanoplastics and Endocrine Disruptors in the Environment and their Health Implications (11/18; AM)
- Analysis of Cannabis Products (11/18; PM)
- Green Chemistry: Sustainable and Modern Solutions to Applied Analytical Science (11/18; PM)

Short Course

- PFAS - A Wonder Chemical Which Became a Nightmare (11/17)
- Green Analytical Chemistry (11/17; AM)

FORENSIC ANALYSIS

Technical Sessions

- Research from our Emerging Forensic Scientists (11/16; PM)
- Green Innovations in Forensic Chemistry: Sample Preparation & Field and Lab Portable Spectroscopy & Chromatography (11/17; AM)
- Chromatographic and Spectroscopic Methods for Forensic Analysis (11/18 AM)

LABORATORY MANAGEMENT & REGULATION

Short Courses

- Analytical Method Validation and Lifecycle Management – FDA, ICH and USP Expectations (11/15)
- Successfully Implementing Key AQbD Elements in the Current USP and ICH Guidances to Dramatically Accelerate Fit-for-Purpose Analytical Method Development (11/17)
- Regulatory Requirements for Therapeutic Peptides (11/18)
- Leading Labs: Improving Staff Performance and Engagement (11/18)

MAGNETIC RESONANCE

Technical Sessions

- Advances in Solid-State NMR Characterization of Pharmaceuticals (11/18; AM)
- Advances in Benchtop NMR for Materials Characterization and Process Monitoring (11/18; PM)

Short Course

- Practical NMR Spectroscopy (11/16)

MASS SPECTROMETRY

Technical Sessions

- Mass Spectrometry Methods and Applications in Chemical and Life Sciences (11/16; AM)
- Mass Spectrometry-Based Proteomics & Metabolomics: Biomarker Discovery and Biological Insights (11/17; AM)

Short Courses

- Practical LC-MS/MS Method Development and Sample Preparation (11/15-11/16)
- Getting the most from GC and GC/MS (11/16)
- Practical Bioanalytical Method Validation by LC-MS/MS (11/17)

PHARMACEUTICAL ANALYSIS

Technical Sessions

- Quality by Design: Building Robust and Transferable LC Methods (11/16; AM)
- In-Silico Intelligence for Analytical Characterization of Pharmaceutical Product (11/16; AM)
- Biophysical Analysis in Biopharmaceutical Product Development (11/17; AM)
- Integrating Artificial Intelligence and Real-World Data into Pharmaceutical Development and Quality (11/17; AM)
- Pharmaceutical and Biopharmaceutical Techniques and Application (11/18; AM)
- Extractables & Leachables in Pharmaceutical Development (11/18; AM)
- Integrating Modeling and Experimentation for High Concentration Biologic Drug Products (11/18; PM)
- Advances in Analytical Development of Antibody Drug Conjugates (11/18; PM)

PHARMACEUTICAL ANALYSIS (continued)

Short Courses

- Advanced Proteomics Sample Preparation: Targeted Enrichment and Micro-to-Nanogram Scale Workflows (11/15)
- Nitrosamine Risk Assessment and Control for Pharmaceutical Products (11/16)
- Analytical and Bioanalytical Aspects in ADC Drug Development and Subsequent Regulatory Submission (11/17; PM)
- An Overview of Drug Development, Drug Quality, Regulatory, and Quality Control Processes (11/17; AM)
- Process Analytical Technology: Out of the Lab and into the Line (11/18)

SPECTROSCOPY

Technical Sessions

- Vibrational Spectroscopy in Forensic Science (11/16; AM)
- Applications of Vibrational Spectroscopy in Industry (11/16; PM)
- Imaging and Spectroscopic Analysis of Particles (11/16; AM)
- Advances in Analytical Spectroscopy of Chiral Molecules and Molecular Assemblies (11/16; PM)
- New York/New Jersey Section of the Society for Applied Spectroscopy Gold Medal Award, Honoring Richard Crocombe, Crocombe Spectroscopic Consulting (11/17; AM)
- AI in Spectroscopy (11/18; AM)
- Spectroscopy: New Techniques and Applications (11/18; PM)

Short Courses

- Basics of T-Ray Metrology and Time-Domain Spectroscopy with Advanced Applications (11/15-11/16)
- Advances in Portable Spectroscopy: Instruments and Applications (11/15)
- Introduction to Quantitative Spectroscopy for Quality Assurance in the R&D and Manufacturing Environments (11/15)
- Collecting Infrared Spectra and Avoiding the Pitfalls (11/18)

2026 Registration Types & Rates

	Before Oct. 15	After Oct. 15
Full Conferee	\$375	\$550
Exposition/Networking/Posters ONLY	\$175	\$175
Wednesday Only Full Conferee (available onsite only on Nov. 18)		\$200
Full-Time Student Conferee	\$50	\$50
High School Student with Seminar (must register for a seminar)	\$0	\$0
One-Day Short Course (must register as <i>Full Conferee</i> in order to take course)	\$750	\$1,100
One-Day Short Course - Student Rate (must be a <i>Full-Time Student</i> in order to take course at Student Rate)	\$125	\$450
Two-Day Short Course (must register as <i>Full Conferee</i> in order to take course)	\$1,200	\$1,500
Two-Day Short Course - Student Rate (must be a <i>Full-Time Student</i> in order to take course at Student Rate)	\$225	\$650
Half-Day Short Course (must register as <i>Full Conferee</i> in order to take course)	\$350	\$450

[Click here to register](#)

2026 Preliminary Technical Oral Program

Here is the preliminary list of oral invited and contributed sessions. The Poster Sessions will be announced in September. It is not too late to submit an abstract for a **poster** presentation! The deadline is September 1st. Visit our submission site for more details and to submit: www.EAS.org/asubmit

MONDAY MORNING, NOVEMBER 16

Time	Title, Author(s)
Celebrating 60 years of the CFDV: The Founding Fathers Sponsored by Chromatography Forum of DE Valley Chair: Mary Ellen McNally, FMC Corporation	
9:00am	<i>Life of Joseph Touchstone</i> , William Champion
9:30am	<i>Particles, Teaching, and a Little Detour to FFF. The Extraordinary Career of Jack Kirkland</i> , Joseph Glajch, JLG AP Consulting LLC
10:00am	Break
10:30am	<i>Founding Fathers of the Delaware Valley Chromatography Forum: Walt Supina, Co-Founder of Supelco</i> , Mary Ellen McNally, FMC Corporation
11:00am	<i>Groovy Grob - Teacher, Mentor, Friend; Celebrating the Career of Bob Grob</i> , Tom Brettell, Cedar Crest College

Explore the Application of Novel Techniques to Enhance Pharmaceutical Research in Drug Discovery and Development Sponsored by the Chinese American Chromatography Association Chair: Yi He, John Jay College of Criminal Justice	
9:00am	<i>To be announced</i> , Kai Wang, GSK
9:30am	<i>Fit-for-Purpose Non-Regulated Bioanalysis Workflow for Targeted Protein Degradation Programs</i> , Qin Ji, Abbvie
10:00am	Break
10:30am	<i>From an Overlooked Innovation to a High Value Technology: The History and Revival of Slalom Chromatography to Support DNA/RNA Separation in Cell and Gene Therapy</i> , Fabrice Gritti, Kevin Wyndham, Jamuna Vaishnav, Bala Addepalli, Matthew Lauber, Waters Corporation
11:00am	<i>Accelerating In Vitro Permeability Assay with High-Throughput Approaches</i> , Wenying Jian, Johnson & Johnson

In-Silico Intelligence for Analytical Characterization of Pharmaceutical Product Chair: Pankaj Aggarwal, Merck & Co., Inc.	
9:00am	<i>From Peaks to Predictions: High-Throughput Mass Spec & PTM Risk Modeling for Biologics</i> , Richard Huang, J&J
9:30am	<i>Accelerating Enzyme Assay Development Using In-Silico Bayesian Optimization</i> , Rose Yi, Merck & Co., Inc.
10:00am	Break
10:30am	<i>In-Line Raman Spectroscopy for Low-Dose Content Uniformity Monitoring</i> , Vladimir Villanueva-Lopez, Pfizer

Imaging and Spectroscopic Analysis of Particles Chair: Dan Fu, University of Washington	
9:00am	<i>Detecting, Identifying and Counting Sub-Visible Particles in Heterogeneous Mixtures with Total Holographic Characterization</i> , Laura Philips, Juliana Lumer, Valentina Flores-Montes, David Ruffner, Spheryx, Inc.
9:30am	<i>Characterizing Biopharmaceutical Particles in a High-Throughput Unlabeled Fashion with AI-Based Image Analysis</i> , Christopher Calderon, University of Colorado-Boulder
10:00am	Break
10:30am	<i>Morphological and Chemical Characterization of Subvisible Particles in Biopharmaceutical Formulations</i> , Dan Fu, University of Washington
11:00am	<i>Particle Reference Material Development and Characterization</i> , Srivalli Telikepalli, National Institute of Standards and Technology

Vibrational Spectroscopy in Forensic Science Chair: Brooke Kamrath, University of New Haven	
9:00am	<i>Vibrational Spectroscopy for Questioned Document Analysis</i> , Marisia Fikiet, University of New Haven
9:30am	<i>A Universal Approach to the Forensic Identification of Biological Stains Based on Raman Spectroscopy: Recent Advancements Toward Commercialization</i> , Igor Lednev, University at Albany- SUNY
10:00am	Break
10:30am	Lyndsay Kissell, U.S. Food and Drug Administration
11:00am	<i>Seeing Over the Peaks: Contributions of Microscopy to Vibrational Spectroscopy</i> , Christopher Palenik, Microtrace LLC

2026 Preliminary Technical Oral Program

Monday Morning Continued

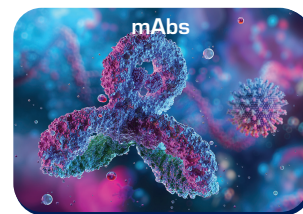
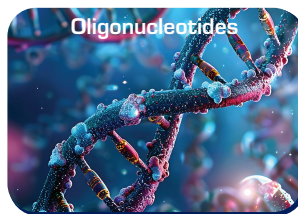
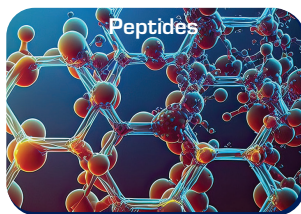
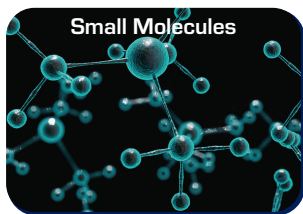
Modern Separation Strategies for Chemical Residue Analysis in Complex Matrices Chair: Emanuela Gionfriddo, University of Buffalo-SUNY	
9:00am	<i>SFC of Short Chain PFAS</i> , Luis Colón, University of Buffalo-SUNY
9:30am	<i>Using Comprehensive Separations to Inform Scent Detection Canine Training for Detecting American Foulbrood Disease in Honeybees</i> , Katelynn Perrault Uptmor, William & Mary
10:00am	Break
10:30am	<i>Revisiting Peak Capacity Production at Ultra-Short Analysis Time as a Lever to Improve the Speed and Peak Capacity of 2D-LC Separations</i> , Dwight Stoll, Gustavus Adolphus College
11:00am	<i>Multidimensional Chromatography for Chemical Analysis – from Small Molecules to Synthetic Polymers</i> , Peilin Yang, Dow Chemical

Mass Spectrometry Methods and Applications in Chemical and Life Sciences Chair: Srinivas Chakravartula, Rutgers University	
9:00am	<i>Understanding Neuronal Excitability using Mass Spectrometry Imaging of SCN2A-deficient Organoid and Assembloid Systems</i> , Alyssa Moore, Xiaoling Chen, Yang Yang, Julia Laskin, Purdue University
9:20am	<i>Dynamic Spray Ionization Mass Spectrometry: High-throughput Multidimensional Reaction Screening Platform</i> , Purva Damale, Abraham K. Badu-Tawiah, The Ohio State University
9:40am	<i>Investigation of Radical-Driven Peptide Fragmentation in the Solution-Cathode Glow Discharge Ion Source for Mass Spectrometry</i> , Jared Viggers, Jacob Shelley, Josefin Hufgard, Bundesanstalt für Materialforschung und -prüfung
10:00am	Break
10:30am	<i>Superhydrophilic Zwitterionic Self Assembled Monolayers for Surface Acoustic Wave Nebulization Mass Spectrometry (SAWN-MS)</i> , Kaleb Sharrer, Mojgan Jafari Pirouz, Jacob Rowe, Ryan Toomey, Theresa Evans-Nguyen, Venkat Bhethanabotla, University of South Florida
10:50am	<i>Quantification of Argireline in Commercial Skin Aging Serums by MALDI MS² Approach Using Digital Ion Trap</i> , Muhammad Ali, Emmanuel Chang, Kevin Mark, York College of The City University of New York
11:10am	<i>Systemic Overview and Validation of Fibrinogen Alpha as a Biomarker for Early-Stage Breast Cancer Analysis</i> , Pathea Bruno, Sarah Abbott, Shaelee Torres, Costel Darie, Clarkson University

Quality by Design: Building Robust and Transferable LC Methods Chair: Lasangi Dhanapala, Alexion Pharmaceuticals	
9:00am	<i>Why Establishing a Robust Method Operable Design Region (MODR) is Superior to a Single-Method Solution</i> , Richard Verseput, S-Matrix Corporation
9:20am	<i>Addressing Method Transfer and Robustness Challenges Using Design Space Modeling</i> , Arnold Zoeldhegyi, Imre Molnar, Molnar-Institute for Applied Chromatography, Krisztian Horvath, Pannon University
9:40am	<i>Optimizing LC Method Development Through Intelligent Column Selection and Implementation of a Structured Screening Protocol</i> , Kenneth Berthelette, Waters Corporation
10:00am	Break
10:30am	<i>Silencing RNAs, Guide RNAs, Messenger RNAs and Beyond. A Guide to Tackling Ion Pair/Reversed Phase LCMS Method Development</i> , Joshua McBee, Peter Pellegrinelli, Barry Boyes, Advanced Materials Technology
10:50am	<i>Improved HPLC Method Development Using Wide pH Range</i> , Conner McHale, Advanced Materials Technology
11:10am	<i>Are Your LC Method and Associated Sample Preparation Method Ready for Transfer?</i> , Richard Verseput, S-Matrix Corporation

MONDAY AFTERNOON, NOVEMBER 16

Advances in Separation Science Instrumentation Sponsored by Chromatography Forum of DE Valley Chair: James Grinias, Rowan University	
1:30pm	<i>Integrating Taylor Dispersion Analysis with Capillary Electrophoresis for Separations with Structural Insights</i> , Christopher Baker, New Mexico State University
2:00pm	<i>Crossing the Cutoff: Extending LC Detection into the VUV</i> , Dale Harrison, VUV Analytics
2:30pm	Break
3:00pm	<i>Coupling Separation Modules with Microwave Rotational Resonance Spectroscopy: Challenges and Prospects</i> , M. Farooq Wahab, University of Texas-Arlington
3:30pm	<i>Issues with Explosives Detection</i> , Jimmie Oxley, University of Rhode Island



Accurately Models All These Separation Modes

- Reversed Phase
- Normal Phase
- Chiral
- HILIC, HIC
- Ion Exchange
- Size Exclusion
- Supercritical Fluid (SFC)

Automates Flexible DoE Experiments on your CDS Software



Fusion QbD Strategic Advantages

- Quickly Develops Methods Optimized for Mean Performance (X-bar) and Robustness (% RSD, C_p)
- Eliminates OOS Results on Method Validation and Transfer
- Supports Full Regulatory Compliance and Data Integrity
- **AI READY:** Fuel Your AI Engine with the Best Learning Data Sets

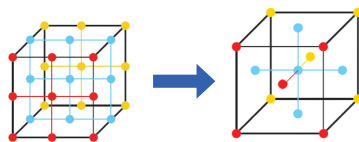
LC and LC-MS Methods

Sample Prep Methods

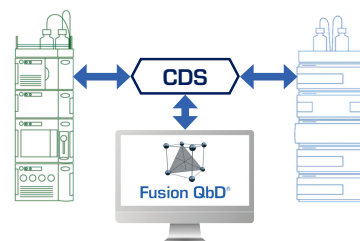
Non-LC Methods

- Gas Chromatography
- Capillary Electrophoresis
- Dissolution, ...

Powerful, Flexible, Automated Design of Experiments

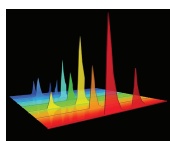


Experiment While You Sleep – Walk-away CDS Automation

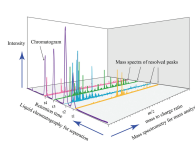


UV & MS Spectra-based Peak Tracking

UV Spectra

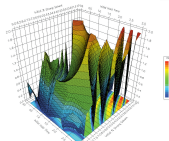


MS Spectra

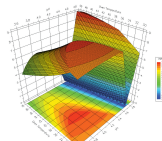


Advanced Chromatography Modeling & Robust MODR Optimization

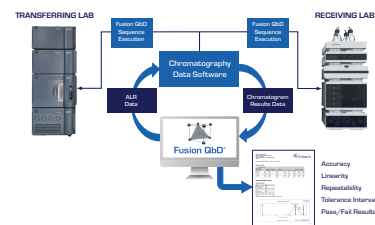
Not Robust



Robust



Automated Method Validation & Transfer



Full Data Integrity and Regulatory Compliance

100% Aligned with All AQbD and APLM Guidances: ICH Q2 (R2), Q14, <USP 1210>, <1220>, ...
21 CFR 11 – Full Compliance Support with Integrated Workflow Management System

2026 Preliminary Technical Oral Program

Monday Afternoon Continued

EAS's 65th Anniversary Session Chair: Sue Evans Norris	
1:30pm	<i>The Wonders of Water Droplets in Air and Air Bubbles in Water</i> , Richard Zare, Stanford University
2:00pm	<i>65 Years of Mass Spectrometry</i> , Graham Cooks, Purdue University
2:30pm	Break
3:00pm	<i>Tandem Mass Spectrometry of the Deamination of Asparagine: A Key Step in Aging?</i> , Peter Armentrout, University of Utah
3:30pm	<i>65 Years of Separation Science</i> , Mary Ellen McNally, FMC Corporation

Research from our Emerging Forensic Scientists Sponsored by New Jersey Association of Forensic Scientists Chair: Monica Joshi, West Chester University of PA	
1:30pm	<i>Emerging Analytical Approaches for Estimating Postmortem Interval</i> , Marlene Muhammad, Sara C. Zapico, New Jersey Institute of Technology
2:00pm	<i>Bayesian Network Modeling for Assessment of Drug-related Deaths: A Forensic Toxicology Approach</i> , Kenny K. Khatri, Priscilla T. Merlino, Michelle G. Carlin, Rutgers University, Anders L. Madsen, Aalborg University, Alan M. Langford, Northumbria University
2:30pm	Break
3:00pm	<i>Development of an Analytical Method for the Quantitation of Psychedelic Compounds Used in Microdosing</i> , Raymond Smikle, Arcadia University
3:30pm	<i>A Combined Morphological, Microscopic, and Spectroscopic Approach to Discriminating Black Electrical Tape</i> , Grace Patzer, Cedar Crest College

Overcoming Challenges in Machine Learning Near the Limit of Determination Chair: Barry Lavine, Oklahoma State University	
1:30pm	<i>Experimental and Digitally Blended Infrared Spectral Data for Detection of Calibrated and Uncalibrated Adulterants in Edible Oils Near the Limit of Determination</i> , Elizabeth Donkor, Oklahoma State University
2:00pm	<i>Support Vector Machines to Screen Exotic Hardwoods and Overcome Challenges Near the Limit of Determination</i> , Karl Booksh, University of Delaware
2:30pm	Break
3:00pm	<i>Integration of Spectral Libraries with Image Maps Using Modified Alternating Least Squares to Develop Soft Machine Learning Models</i> , Barry Lavine, Oklahoma State University
3:30pm	<i>Development and Application of novel Gaussian Mixture Models for Pigment Clustering and Classification of Reflectance Hyperspectral Datasets of Roman Egyptian Mummy Portraits</i> , Roxanne Radpour, University of Delaware

Advances in Analytical Spectroscopy of Chiral Molecules and Molecular Assemblies Chair: Garth Simpson, Purdue University	
1:30pm	<i>Chirality-Specific Imaging and Spectroscopy of Molecularly Ordered Assemblies</i> , Garth Simpson, Purdue University
2:00pm	<i>Chiral-Selective SFG Spectroscopy: Probing Folding and Hydration of Proteins and Nucleic Acids at Aqueous Interfaces</i> , Elsa C. Y. Yan, Yale University
2:30pm	Break
3:00pm	<i>Anomalous Circular Birefringence in Mixed Crystals</i> , Bart Kahr, New York University
3:30pm	<i>Probing Biopolymer Assemblies with Polarization-Resolved Second Harmonic Generation Microscopy</i> , Danielle Tokarz, Saint Mary's University

Applications of Vibrational Spectroscopy in Industry Chair: Richard Crocombe, Crocombe Spectroscopic Consulting	
1:30pm	<i>Developing an AI Based FT-IR Spectral Analytic Platform for a Well Defined Industrial Application</i> , Peter Larkin, Syensqo
2:00pm	<i>The Application of Raman Mapping to Detect Micro-Domains of Crystallinity in Amorphous Solid Dispersions of Nilotinib</i> , Dale Purcell, Chemical Microscopy
2:30pm	Break
3:00pm	<i>Mid-IR, Near-IR, or Raman Spectroscopy, Which One Should I use for My Problem?</i> , Shawn (Xiaoyun) Chen, Dow Chemical Company
3:30pm	<i>Tunable Diode Laser Absorption Spectroscopy: From Fundamental Spectroscopy to Industrial Process Analytics</i> , Mark Druy, Galvanic Applied Technologies

2026 Preliminary Technical Oral Program

Monday Afternoon Continued

Analysis of PFAS in the Environment and Various Everyday Consumer Products Chair: Kyle Dunleavy, PerkinElmer	
1:30pm	Emanuela Gionfriddo, University of Buffalo
2:00pm	<i>Solid-State NMR and DNP Investigation of PFAS Binding in Zr-Based MOFs</i> , Yifan Quan, University of Pennsylvania
2:30pm	Break
3:00pm	<i>PFAS in Water: A Multi-Decade Retrospective Study</i> , Jacob Jalali, PerkinElmer
Advances in Liquid Chromatography Chair: Chuping Luo, EliteChrom Solutions	
1:30pm	<i>Advantages of Superficially Porous Particle Columns for HPLC and LC-MS</i> , Stephanie Schuster, Joshua McBee, Conner McHale, Peter Pellegrinelli, Advanced Materials Technology, Inc.
1:50pm	<i>Monodisperse vs. Polydisperse Packing Materials in Liquid Chromatography: Implications for Performance and Practice</i> , Fabrice Gritti, Waters Corporation
2:10pm	<i>Hardware-Driven Interactions in Oligonucleotide HPLC: The Role of Ion-Pairing and Oligonucleotide Chemistry</i> , Peter Pellegrinelli, Stephanie Schuster, Barry Boyes, AMT
2:30pm	Break
3:00pm	<i>Fast Mobile Phase pH Screen: Application in Pharmaceutical Analytical LC Method Development</i> , Lynn Krushinski, Yiyang Zhou, Ashley Liu, Kelci Schilly, Briston Myers Squibb
3:20pm	<i>Analytical Resolution of Bispecific Antibody Complexity: A Comprehensive Chromatographic Strategy</i> , Yinan Zhang, Linting Li, Xuyang Zhang, Ke Yang, Sepax Technologies

KEYNOTE LECTURE

Monday, November 16, 4:15pm

AI-Ready Data and Analytical Methods for Health Research
Dr. Christopher Kinsinger, National Institutes of Health

*All registered Conferees, Attendees and Exhibitors are invited to attend.
A reception will be held immediately following the lecture.*

TUESDAY MORNING, NOVEMBER 17

Time	Title, Author(s)
New York/New Jersey Section of the Society of Applied Spectroscopy Gold Medal Award Honoring Richard Crocombe, Crocombe Spectroscopic Consulting Chairs: Deborah Peru, DP Spectroscopy and Training, LLC, Gabrielle Davis, Camfil USA Inc.	
9:00am	<i>Portable Spectroscopy – Quo Vadis?</i> , Richard Crocombe, Crocombe Spectroscopic Consulting
9:30am	<i>Community Engagement with Portable Spectroscopy</i> , Mary Kate Donais, Saint Anselm College
10:00am	Break
10:30am	<i>A Portable Revolution: Over-the-Horizon Spectroscopy</i> , Pauline Leary, NOBLE, Inc.
11:00am	<i>Networked Hyperspectral Raman Spectroscopy for Real-Time Detection of Drugs and Pharmaceuticals</i> , Ari Forman, SCATR, Inc.
Integrating Artificial Intelligence and Real-World Data into Pharmaceutical Development and Quality Chair: Kim Huynh-Ba, Pharmalytik	
9:00am	<i>Data Governance in AI: From Chaos to Control</i> , Geetanjali Abbi, Alkermes
9:30am	<i>Data Analytics in Batch Release: Leveraging AI for Faster and Smarter Decision Making</i> , Nikolai Makaranka, Daikon
10:00am	Break
10:30am	<i>Digital Twin—Enabling the Future of Development and Manufacturing of Pharmaceutical and Biopharmaceutical Products with Standardization and Consistency</i> , Desmond Hunt, United States Pharmacopeia
11:00am	<i>Data Quality → Model Credibility: How Analytical Data Choices Shape AI/ML Performance and Compliance</i> , Bhaskar Aryasomayajula, Bristol Myers Squibb

2026 Preliminary Technical Oral Program

Tuesday Morning Continued

Expanding Supercritical Fluids Extraction and Chromatographic Applications Beyond a Firm Foothold in Pharmaceuticals Chair: Nick Mitchell, Sohve LLC	
9:00am	<i>CBD/HEMP Process Scale SFE&SFC Development</i> , Jeff Caldwell, Princeton Chromatography
9:30am	<i>The Use of Supercritical Fluids in the extraction and purification of Botanical Reference Standards</i> , René de Vaumas, Extrasynthese
10:00am	Break
10:30am	<i>From Extraction to Experience: The Role of Chiral GC in Flavor Sensory and Authenticity Analysis</i> , Jeff Povelones, International Flavors & Fragrances
11:00am	<i>How to Detect Adulteration in Supercritical Fluid Extracts: Special Focus on Ginger CO₂</i> , Satyal Prabodh, Aromatic Plant Research Center

Green Innovations in Forensic Chemistry: Sample Preparation & Field and Lab Portable Spectroscopy & Chromatography Chair: Tom Brettell, Cedar Crest College	
9:00am	<i>Expanding Nontargeted Analysis with Hydrogen Carrier Gas for High Resolution Separations in Forensic Science</i> , Katelynn Perrault Uptmor, William & Mary
9:30am	<i>Green Extraction Methodologies for Drugs of Abuse</i> , Emanuela Gionfriddo, University of Buffalo-SUNY
10:00am	Break
10:30am	<i>Innovations in Forensic Applications of Portable Spectroscopy</i> , Brooke Kammrath, University of New Haven
11:00am	<i>Field and Lab Portable LC Instrumentation for Drugs of Abuse</i> , Ira Lurie, George Washington University

Biophysical Analysis in Biopharmaceutical Product Development Chair: Ying Wang, University of North Carolina-Wilmington	
9:00am	<i>High-Throughput Small-Angle X-ray Scattering for Biologics Developability Screening</i> , Pin-Kuang Lai, Stevens Institute of Technology
9:30am	<i>Enhanced Rational Protein Engineering to Reduce Viscosity in High-Concentration IgG1 Antibody Solutions</i> , Tyler Lefevre, AstraZeneca
10:00am	Break
10:30am	<i>Biophysical Characterization in the Development of Biologics</i> , Ivan Budyak, Eli Lilly and Company
11:00am	<i>Comprehensive Biophysical Characterization of Lipid Nanoparticles to Access and Enhance Physical Stability</i> , Shu-Yu Liao, Abbvie

HILIC Fundamentals and Novel Applications Chair: Fabrice Gritti, Waters Corporation	
9:00am	<i>Molecular Simulation of Hydrophilic Interaction Chromatography (HILIC): How HILIC Works</i> , Mark Schure, Kroungold Analytical, Hsiao-Feng Liu, Chung-Kai Chang, J. Ilja Siepmann, University of Minnesota, Stephanie Schuster, Peter Pellegrinelli, William Miles, Advanced Materials Technology, Inc.
9:30am	<i>What do we Learn about HILIC from Quantitative Assessment of Retention Mechanisms?</i> , Yong Guo, Fairleigh Dickinson University
10:00am	Break
10:30am	<i>From Retention Mechanisms to Method Development: HILIC for Nucleic Acids</i> , Jonathan Maurer, University of Geneva
11:00am	<i>Examples of Using Hydrophilic Interaction Liquid Chromatography for Small Molecule Analyses: A Case Study of Radiopharmaceutical Precursors</i> , Kenneth Berthelette, Waters Corporation

Gas Chromatography for Sensitive and Reliable Chemical Analysis Chair: Mariann Neverovitch, Bristol Myers Squibb	
9:00am	<i>Overcoming Helium Supply Issues by Adopting Hydrogen as a Carrier Gas for GC/MS and GC/MS/MS Techniques in Environmental Laboratories</i> , Gustavo Serrano Izaguirre, Bruce Quimby, Samuel Haddad, Agilent Technologies
9:20am	<i>Improved Baseline Stability and Sensitivity in GC-MS Using a Novel Column with an Uncoated Interface Section</i> , Ramkumar Dhandapani, Restek, Javier Arrebola, University of Almeria
9:40am	<i>Ultra-Low Bleed and High Inertness in the Next Generation of 5%-Phenyl Gc Columns: Improving Trace-Level Quantification in GC/MS</i> , Gustavo Serrano Izaguirre, Samuel Haddad, Ashlee Gerardi, Agilent Technologies
10:00am	Break
10:30am	<i>The Role of Surface Deactivation for the Analysis of Low Level Acidic, Basic, and Neutral Compounds for EPA 8270E</i> , Ramkumar Dhandapani, Chris English, Restek Corporation
10:50am	<i>Towards the Development of Advanced Identification Methodologies of Counterfeited Perfumes: Programmable Temperature Vaporization (PTV) Inlet-GC-MS/MS of Fragrances</i> , Alexander Bulsiewicz, Nicholas Snow, Seton Hall University
11:10am	<i>Monograph Testing for Compressed Gases in the Pharmaceutical Industry - What is Required?</i> , Ralph Ciotti, Atlantic Analytical Laboratory

2026 Preliminary Technical Oral Program

Tuesday Morning Continued

Mass Spectrometry-Based Proteomics & Metabolomics Chair: Costel Darie, Clarkson University	
9:00am	<i>Mass Spectrometric Investigation of Sera from Women with Breast Cancer for Identification of Potential Early-Stage Protein Biomarkers</i> , Zachary Ely, Danielle Whitham, Pathea Bruno, Costel Darie, Clarkson University
9:20am	<i>Membrane Proteomics of Small Extracellular Vesicles Unveils the Role of the Aged Host Microenvironment in Ovarian Cancer Progression</i> , Reihaneh Safavisohi, Seton Hall University, Sharon Stack, University of Notre Dame
9:40am	<i>Untargeted, Quantitative Metabolomics Analysis Using ZT Scan Data Independent Analysis</i> , David Colquhoun, Paul Baker, SCIEX
10:00am	Break
10:30am	<i>Metabolic Characterization of Common Bacterial Growth Media</i> , Emma Guiberson, Caroline Lawler, Josephine Dolan, Yuhang Wu, Middlebury College
10:50am	<i>Mass Spectrometry-Based Proteomic Analysis of Breast Milk for Early Breast Cancer Detection</i> , Aneeta Arshad, Costel C. Darie, Clarkson University, Kathleen F. Arcaro, University of Massachusetts

Student Speed Session Chair: Fernanda Delgado Cornelio, University of Delaware	
9:00am	<i>Molecular-Level Understanding of the Interactions Between Model Nanoplastics and Phospholipid Vesicles (Liposomes)</i> , Kushani Mendis, Laura Kesner, Zeev Rosenzweig, University of Maryland Baltimore, Zeke Piskulich, Qiang Cui, Boston University
9:12am	<i>A Rapid, Scalable Synthetic Route to Multifunctional NaYF₄:Gd, Er, Yb @ NaYF₄ Core-Shell UCNPs with Enhanced Optical Performance and Potential for Multimodal Biomedical Imaging Applications</i> , Aminah Amjad, Zeev Rosenzweig, Yajie Liang, University of Maryland-Baltimore
9:24am	<i>Preparation of Standards and Spectroscopic Analysis of Wooden Furniture Finishes for Determining Period of Manufacture</i> , Ethan Radcliffe, West Chester University
9:36am	<i>Comparative MALDI-ToF/ToF Analysis of Digested and Non-Digested <10 kDa SerumPeptidomes for Early Detection of Breast Cancer</i> , Shaelee Torres, Sarah Abbott, Pathea Bruno, Costel Darie, Clarkson University
9:48am	<i>Understanding Mead Production via Comprehensive Two-Dimensional Gas Chromatography, Fermentation Kinetics, and Chemometric Analysis</i> , Sarah C. Foster, Katelynn A. Perrault Uptmor, William & Mary, Samuel W. Straight, Silver Hand Meadery
10:00am	Break
10:30am	<i>Fabric Differentiation Using Reflectance Spectroscopy and Multivariate Statistical Analysis</i> , Fernanda Delgado Cornelio, Katelyn Blair, Levi Bielewicz, Jocelyn Alcantara Garcia, Karl Booksh, University of Delaware
10:42am	<i>Conformal Predictions of Synthetic Data for Pharmaceutical Analysis</i> , Levi Bielewicz, Karl Booksh, University of Delaware
10:54am	<i>Detecting Micro- and Nanoplastic Uptake in Human Cancer Cells with Spatially Resolved 3D Raman Spectroscopy</i> , Xavier Flaiz, Raghad Kurbaj, Ariel Alperstein, University of Delaware
11:06am	<i>Synthesis, Characterization and NMR Spectral Deconvolution Assignment of Ir(III) Cyclometalated Complexes Using 2,3-diphenylquinoxaline Derivatives</i> , Daniela Moncada, Nataly Areosa Suarez, Gary Martin, Wyatt Murphy, Seton Hall University
11:18am	<i>Multidimensional NMR Assignment of Cyclometalated Iridium(III) Complexes Enabled by a Fluorinated Analogue</i> , Nataly Areosa Suarez, Daniela Moncada, Gary Martin, Wyatt Murphy, Seton Hall University

Program is continued on the next page

2026 Preliminary Technical Oral Program

TUESDAY AFTERNOON, NOVEMBER 17

EAS will be honoring ALL 6 of our awardees in a special award session on Tuesday, November 17 in the afternoon from 1:15pm – 4:30pm. All registered attendees and exhibitors are invited to attend.

EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN THE FIELDS OF ANALYTICAL CHEMISTRY

Honoring Richard van Breemen, Oregon State University

Sponsored by



EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN SEPARATION SCIENCE

Honoring David Bell, Phiex Technologies

Sponsored by



EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN MASS SPECTROMETRY

Honoring Joshua Coon, University of Wisconsin-Madison

Sponsored by



EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN MAGNETIC RESONANCE

Honoring Robert Schurko, Post-Humous

Sponsored by



EAS AWARD FOR OUTSTANDING ACHIEVEMENTS IN VIBRATIONAL SPECTROSCOPY

Honoring Brooke Kammrath, University of New Haven

Sponsored by



EAS YOUNG INVESTIGATOR AWARD

Honoring Xin Yan, Texas A&M University

Sponsored by



WEDNESDAY MORNING, NOVEMBER 18

Time	Title, Author(s)
Instrumental Analysis in Cultural Heritage Sponsored by Kenescott Fdn Chair: Zachary Voras, West Chester University of Pennsylvania	
9:00am	<i>Characterization of an Unattributed Jefferson Declaration Desk Facsimile</i> , Zachary Voras, West Chester University of Pennsylvania
9:30am	<i>Reviving a Collection: Technical Insights into the MFA Boston's Tibetan Thangkas</i> , Marcie Wiggins, Museum of Fine Arts Boston
10:00am	Break
10:30am	<i>Using the Method of Continuous Variation to Elucidate the Effects of pH and Ionic Strength on the Metal:Dye Stoichiometry of Lake Pigments</i> , Jessica Heimann, Salisbury University
11:00am	<i>Technical Investigation of Piet Mondrian's Transatlantic Paintings: Materials, Chronology, and Revision</i> , Abed Haddad, Museum of Modern Art New York

2026 Preliminary Technical Oral Program

Wednesday Morning Continued

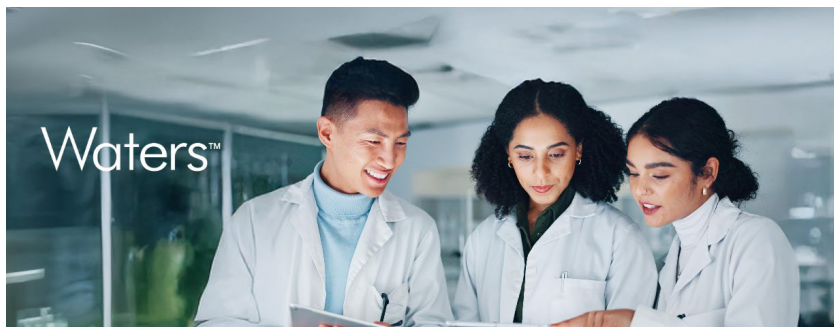
Integrating Automation into Chemical Analysis Sponsored by ACS Division of Analytical Chemistry Chair: James Grinias, Rowan University	
9:00am	<i>Scaling Up Proteomics Experiments via 3D Printing and Vibrating Sharp Edge Spray Ionization</i> , Peng Li, Lehigh University
9:30am	<i>Innovating Excipient Analysis Through End-to-End Automation on an Integrated Robotic-HPLC-ELSD System</i> , Sharon Matamoros, GSK
10:00am	Break
10:30am	<i>A Modular and Affordable Electrochemical Self-Driving Lab Enables Fully Autonomous Electrode Modification and Characterization</i> , Michael Pence, University of Utah
11:00am	<i>High Throughput Optical Characterization of Single Plasmonic Nanostructures</i> , Katherine Willets, Temple University

Nanoplastics and Endocrine Disruptors in the Environment and their Health Implications Chairs: Genoa Warner, New Jersey Institute of Technology, James Stuart, University of Connecticut	
9:00am	Huiyuan Guo, Binghamton University-SUNY
9:30am	<i>Lifecycle of Micro- and Nanoplastics in the Body and their Contribution to Alzheimer's Disease</i> , Jaime Ross, University of Rhode Island
10:00am	Break
10:30am	<i>Female Reproductive Impacts of Real-World Endocrine Disruptor Mixtures</i> , Shuo Xiao, Rutgers University
11:00am	<i>Phthalates and Nanoplastics Disrupt the Mouse Placenta</i> , Genoa Warner, New Jersey Institute of Technology

AI in Spectroscopy Chair: Barry Lavine, Oklahoma State University	
9:00am	<i>Artificial Neural Networks for Discrimination of Automotive Clear Coats by Motor Vehicle Manufacturer</i> , Barry Lavine, Oklahoma State University
9:30am	<i>Support Vector Machines with Conformal Prediction for Discrimination of Automotive Clear Coats by Motor Vehicle Manufacturer</i> , Karl Booksh, University of Delaware
10:00am	Break
10:30am	<i>Extracting Chemical Information from Infrared Images of Polymers to Detect Contaminants and other Defects Essential for Quality Control</i> , George Affadu-Danful, Arkema Inc., Barry Lavine, Elizabeth Donkor, Oklahoma State University, Thomas Hancewicz, THM Associates
11:00am	<i>Accelerating Pharmaceutical Development via Machine Learning-Enabled Process Analytical Technology</i> , Joseph Smith, Merck & Co., Inc.

Advances in Solid-State NMR Characterization of Pharmaceuticals Chair: Eric Munson, Purdue University	
9:00am	<i>Utilizing 19F Solid-State NMR to Understand Form Changes in Pharmaceutical Solids</i> , Joseph Lubach, Genentech
9:30am	<i>Solid-State NMR Investigation of Co-Crystals and Solid Solutions in Structurally Related Model Compounds</i> , Yunhua Chen, Rodger Henry, AbbVie
10:00am	Break
10:30am	<i>New Insights into Quantitation and Detection in Drug Product Formulations Using Solid-State NMR Spectroscopy</i> , Michael Hanrahan, Kansas Analytical Services
11:00am	<i>Non-Destructive Evaluation of Lyophilized Products Using Solid-State NMR Spectroscopy</i> , Nicholas Huls, Purdue University

Analytical Techniques for Sensing, Metrology, and Materials Characterization Chair: Peter Bratin	
9:00am	<i>A Low-Maintenance Kinetic Optical Method for Continuous Free Chlorine Monitoring Using a Stabilized TMB-Derived Reagent System</i> , Hao Zhang, Onestep Technologies Inc.
9:20am	<i>THz-TDS Evaluation of Water Content in Flax-Based Natural Fiber-Reinforced Composites for Aircraft Applications</i> , Eric Tucker, Nour Hakim, Matthew Webster, Luke Post, Karina Hafeez, NASA Langley Research Center
9:40am	<i>Improving Sensitivity of a Microfluidic Electrochemiluminescence Biosensor</i> , Kira Rahn, Kieran Cross, Sophie Mathewson, Christopher Clyne, Edith Mauch, Middlebury College
10:00am	Break
10:30am	<i>Unified T-Ray Volumetric Metrology and Its Necessity: Advancing Beyond SEM, TEM, AFM, and SIMS Methodologies</i> , Anis Rahman, Applied Research & Photonics, Inc.
10:50am	<i>The Batch Nature of Continuous Flow Production via Natural-Abundance Stable Isotopes</i> , John Jasper, Molecular Isotope Technologies, LLC, Patrick Fricke, Mans Andreasson, Michael Guerzoni, Oleg Epstein, Staffan Karlsson, Charles Elmore, AstraZeneca, Ann Pearson, Harvard University
11:10am	<i>Analysis of 3D Printing Resins via Thermal Analysis Methods</i> , Alexis Weber, Justin Lang, PerkinElmer



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2026 Preliminary Technical Oral Program

Wednesday Morning Continued

Pharmaceutical and Biopharmaceutical Techniques and Application Chair: Kang Chen, United States Food & Drug Administration	
9:00am	<i>Rapid Determination of Drug-to-Antibody Ratios in Antibody-Drug Conjugates Using Ultrafast Microdroplet Digestion Technology</i> , Hao Chen, New Jersey Institute of Technology
9:20am	<i>Myths and Half-Truths in HPLC and Pharmaceutical Analysis</i> , Michael Dong, MWD Consulting
9:40am	<i>Advancing Small-Molecule Identification: Standards-Free Structural Assignment Using Molecular Rotational Resonance (MRR) Spectroscopy</i> , Kanchan Sonkar, Alexander V. Mikhonin, Suresh Konda, Chris Thompson, BrightSpec, Inc.
10:00am	Break
10:30am	<i>In-Situ Investigation of Monoclonal Antibody Crystallization Kinetics for Designing High-Concentration Protein Drug Products</i> , Raymond Flax, Courtney David, Zhaoxi Zheng, Peter Walsh, Richard Cheng, Guangli Hu, Yufang He, Aaron Cote, Peter Wuelfing, Yongchao Su, Merck Sharp & Dohme LLC
10:50am	<i>Effects of Zinc (II) Ion on Structure, Stability, and Activity of Semaglutide in Prefilled Syringe Formulations</i> , Emilia Doran, Rickey Su, Ying Wang, University of North Carolina-Wilmington
11:10am	<i>Methyl Proton Spin Relaxation (R2/R1): A Sensitive NMR Method for pH-Dependent Oligomerization of GLP-1 Analogs, Complementing DLS and DOSY-NMR</i> , Kang Chen, United States Food & Drug Administration

Chromatographic and Spectroscopic Methods for Forensic Analysis Chair: Michelle Case, Bristol Myers Squibb	
9:00am	<i>Vibrational Spectroscopic Detection of Bodily Fluids in Fingermarks for Forensic Applications</i> , Mohamed Amin, Lillian Christensen, Igor Lednev, University at Albany, Badr Genaei, Bessy D'Cruz, Entesar Al-Hetlani, Kuwait University
9:20am	<i>A Study in Spectra: Non-Destructive Estimation of Late Postmortem Interval Using Portable UV-Vis-NIR Spectroscopy</i> , M. Isabel Sanchez-Melo, Bristol Myers Squibb, Carlo R. Alberto, Raiven Cirio, Kayla A. Modesto, Marlene T. Muhammad, Anjilena J. Osenenko, Dakshata Ravinder, Sevda Selman, Emma D. Szaro, Vasilisa Yukhno, Sara C. Zapico, New Jersey Institute of Technology
9:40am	<i>The Effect of Water Temperature and Type on the Evolution of Decomposition Volatile Organic Compounds from Mammalian Tissue</i> , Virginia Weina, Katelynn Perrault-Uptmor, William & Mary
10:00am	Break

Extractables & Leachables in Pharmaceutical Development Chair: Michelle Case, Bristol Myers Squibb	
10:30am	<i>Ultra-Sensitive Trap Headspace GC-MS/MS for Trace Analysis of Leachable NDBA and Other Small Molecule Nitrosamines in Infusion Bags</i> , Kevin Nyhuis, Dajuan Lu, Danny Hower, SGS Pharma, Yoshiro Hiramatsu, Brad Coopersmith, John D'Alessio, Crystal Cheong, Jonathan Soffer, Shimadzu Scientific
10:50am	<i>Using Copilot to Support Unknown Identification in Extractables and Leachables Studies</i> , Yunyun Yuan, Ying Jiang, Yijun Lu, J&J
11:10am	<i>Managing Extractables & Leachables in ADC Development and Manufacturing</i> , Bin Sun, Cytiva

WEDNESDAY AFTERNOON, NOVEMBER 18

Advances in Analytical Development of Antibody Drug Conjugates Chair: Yuan Ren, Bristol Myers Squibb	
1:30pm	<i>Closing the Loop Between Analytics and TFF: Method Development that Improves Purge Confidence for ADCs</i> , Lianjia Ma, Bristol Myers Squibb
2:00pm	<i>Control of Free Drug and Related Impurities in ADC: Addressing Challenges of Complex Mixtures</i> , Guoyong Sun, Bristol Myers Squibb
2:30pm	Suji Lee, Merck & Co., Inc.

Analysis of Cannabis Products Chair: Greg Sotzing, University of Connecticut	
1:30pm	<i>Fluorescence from Natural Resource Cannabinoids for Biomedical Imaging</i> , Greg Sotzing, University of Connecticut
2:00pm	<i>Intraarticular Sustained Release of Dicannabidiol for Prolonged Osteoarthritic Pain Relief in Monoiodoacetate Induced Osteoarthritis in Rat Model</i> , Lakshmi Nair, Erick Orozco Morato, Pragati Rout, Joseph Walker, Gregory Sotzing, University of Connecticut
2:30pm	<i>Cannabinoids and Addiction</i> , Steven Kinsey, University of Connecticut
3:00pm	<i>Therapeutics of Cannabinoids</i> , Mark Scialidone, St. Michael's College

2026 Preliminary Technical Oral Program

Solutions for Complex Analytical Challenges

Sponsored by Amgen

Chair: Wesley Barnhart, Amgen

1:00pm	<i>Enabling Purification of Challenging Samples Through Advanced Chromatographic Strategies</i> , Kevin Crossley, Jonathan Gutierrez, Ayesha Seth, Wes Barnhart, Imad Haidar Ahmad, Amgen
1:20pm	<i>Recent Advances in the Use of the Charged Aerosol Detector at the Discovery Stage of Pharmaceutical Research</i> , Wesley Barnhart, Troy Handlovic, Yue Xin, Imad Haidar Ahmad, Amgen
1:40pm	<i>Ensuring Quality Data for Organochlorine Pesticide Analysis by Using an Optimized Dual Bed Sample Extract Cleanup Cartridge</i> , Diego Lopez, Alexis Shelow, Jason Thomas, Jason Hoisington, Ramkumar Dhandapani, Restek Corporation
2:00pm	<i>Capillary Electrophoresis Based Separation of Virus-Like Particles and Nano-Emulsions for Vaccine Development</i> , Yousef Hassan Elshamy, Caleb Kinsey, Richard Rustandi, Adam Sutton, Merck & Co., Inc.
2:20pm	<i>Simultaneous SIM/Scan P&T-GC/MSD: High-Confidence, High-Sensitivity VOC Quantitation</i> , Jessica Lehman, Agilent Technologies, Thomas Hartlein, Teledyne Tekmar
2:40pm	<i>Fast Headspace GC/MS of VOCs: Sub-6-Minute Separations with Automated Sample Preparation</i> , Saurabh Patel, Agilent Technologies

Advances in Benchtop NMR for Materials Characterization and Process Monitoring

Chair: Michael Hall, SABIC

1:30pm	<i>Quantitative Benchtop Nuclear Magnetic Resonance for Vaccine Development</i> , Adam Sutton, Merck & Co., Inc.
2:00pm	<i>Benchtop NMR as a PAT Sensor: Enabling Process Understanding and Real-Time Control</i> , Anh Le-McClain, Magritek Inc.
2:30pm	<i>Development of Online Low-Field Benchtop NMR Coupled to High-Performance Liquid Chromatography for Pharmaceuticals</i> , Noah Menard, University of Texas-Arlington
3:00pm	<i>Benchtop NMR in a Manufacturing Environment</i> , Travis Gregar, 3M

Integrating Modeling and Experimentation for High Concentration Biologic Drug Products

Chair: Pin-Kuang Lai, Stevens Institute of Technology

1:30pm	<i>High-Throughput Small Angle X-Ray Scattering Reveals Structure Factor Transitions Linked to High-Concentration Antibody Viscosity</i> , Pin-Kuang Lai, Stevens Institute of Technology
2:00pm	<i>Development and Delivery of Subcutaneous Formulations: Insights from Molecular Simulation and In-Vitro Simulators</i> , Hao Lou, University of Kansas
2:30pm	<i>wNMR Relaxometry for the In Situ Assessment of High-Concentration Biologics and Product Security</i> , Marc Taraban, University of Maryland
3:00pm	<i>Predicting High Concentration Viscosity in Multi-Specific Antibody Solution</i> , Sudeep Adhikari, Stevens Institute of Technology

Green Chemistry: Sustainable and Modern Solutions

Chair: Shirley Fischer-Drowos, Widener University

1:00pm	<i>Sustainable Method Evaluation throughout the Lifetime of an Agricultural Product</i> , Mary Grace Guardiean, Austin Whittington, Anna Grifo, Xiaoyan Wang, Mary Ellen McNally, FMC Corporation
1:20pm	<i>Green Chemistry in Forensics: Utilizing AGREEprep Scoring for Method Comparisons and Development</i> , Kira Bochar, Shayna Kasher, NMS Labs
1:40pm	<i>DOZN™ 3.0 - A Quantitative Green Chemistry Evaluator for Sustainable Future</i> , Ettigounder Ponnusamy, MilliporeSigma
2:00pm	<i>Green Analytical Chemistry: Importance and Guidance for Industry and Academia</i> , Isamir Martinez, American Chemical Society, Keith Gaylan, Abbvie Pharmaceuticals, Matthew Osborne, AstraZeneca, Mark Zell, Takeda Pharmaceuticals, Paul Ferguson, SEDA Pharmaceutical Development Services

Spectroscopy: New Techniques and Applications

Chair: Gene Hall, Rutgers University

1:00pm	<i>3D Confocal Raman Imaging of PFOA Bioaccumulation in Trehalose-Immobilized DOPC Giant Unilamellar Vesicles</i> , Kaleb Sharrer, Dawson Dodd, Venkat Bhethanabotla, Theresa Evans-Nguyen, University of South Florida
1:20pm	<i>Towards Super Resolution Two-Dimensional Infrared (2DIR) Spectroscopy</i> , Olivia Tancredi, Audrey Carson, Saul Tonalli Rodriguez Vazquez, Ariel Alperstein, University of Delaware
1:40pm	<i>Revealing the Fugitive Palette in Art using Surface-Enhanced or Single-Molecule Spectroscopy</i> , Kristin Wustholz, Alisha Khodabocus, Chloe Autry, William & Mary
2:00pm	<i>Resonance Spectroscopy and Paramagnetic Species Signatures in Soils and Humic Materials</i> , Chris Bender, Fordham University
2:20pm	<i>Direct, Selective Analysis of Ethylene Oxide and Acetaldehyde in Complex Food Matrices by Molecular Rotational Resonance Spectroscopy</i> , Chris Thompson, Alexander V. Mikhonin, Voislav Blagojevic, BrightSpec, Inc.
2:40pm	<i>Quantitative Screening of Isomeric Impurities in Small Molecule Raw Materials Using Targeted MRR</i> , Alexander Mikhonin, Kanchan Sonkar, Suresh Konda, Christopher Thompson, BrightSpec, Inc.

2026 Preliminary Technical Oral Program

Wednesday Afternoon continued

Data-Driven Analytical Chemistry: From Chemometrics to Artificial Intelligence Chair: Suzanne Schreyer, Rigaku Analytical Devices	
1:00pm	<i>Uncovering Hidden Trends in Analytical Data Using PCA</i> , Michelle D'Souza, Karl Nedwed, Ty Abshear, Graeme Whitley, Wiley
1:20pm	<i>Optimizing Solvent Selection And Dimensionality Reduction Workflows For GC×GC Fire Debris Analysis</i> , Madison O'Brien, Katelynn Perrault-Uptmor, William and Mary, Mike Dereviankin, Onterris
1:40pm	<i>Integrating Conformal Prediction with Laser-Induced Breakdown Spectroscopy for Hardwood Species Identification</i> , Katelyn Blair, Fernanda Delgado Cornelio, Karl Booksh, University of Delaware
2:00pm	<i>Artificial Intelligence-Assisted LC-MS Method Development for Screening Triglycerides in Vegetable Oils and Animal Fats</i> , Mark Wang, Scott Huffman, Ravi Kalyanaraman, Bristol-Myers Squibb
2:20pm	<i>Evaluation of Generative AI to Assist with NMR Pulse Programming</i> , Ryan Cohen, Merck & Co., Inc.

KEYNOTE LECTURE

We are excited to announce our Keynote Lecture

Monday, November 16; 4:15pm

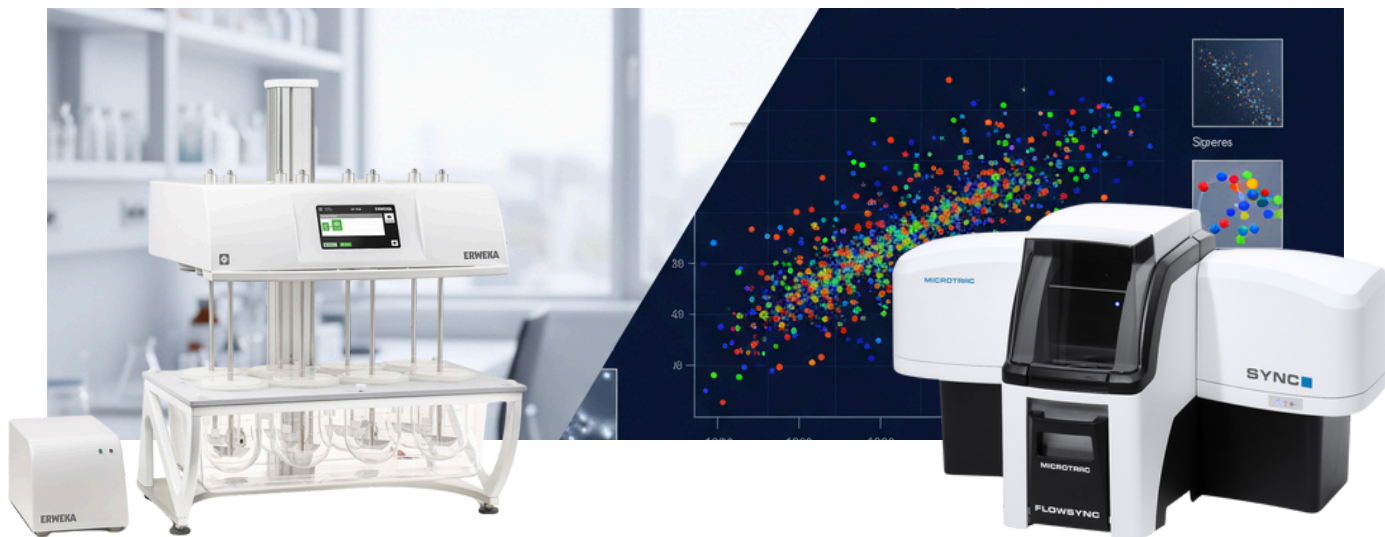


AI-Ready Data and Analytical Methods for Health Research
Dr. Christopher Kinsinger, National Institutes of Health

A complimentary reception will be held immediately after the lecture.

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2026 EAS Short Course Schedule

For complete descriptions of all EAS Short Courses, [click on the course name to link to the description](#).

Two-Day Courses

Code	Sunday, Nov. 15 – Monday, Nov. 16 8:30am - 5:00pm	Instructor(s)
E26-01	Practical LC-MS/MS Method Development and Sample Preparation	Perry Wang, US FDA
E26-02	HPLC and UHPLC for Practicing Scientists 1 and 2: Fundamentals, Method Development, and Troubleshooting	Michael Dong, MWD Consulting
E26-03	Basics of T-Ray Metrology and Time-Domain Spectroscopy with Advanced Applications	Anis Rahman, Applied Research & Photonics Inc.

One-Day Courses

Code	Sunday, November 15 8:30am - 5:00pm	Instructor(s)
E26-04	Analytical Method Validation and Lifecycle Management – FDA, ICH and USP Expectations	Kim Huynh-Ba, Pharmalytik, LLC
E26-05	Introduction to Quantitative Spectroscopy for Quality Assurance in the R&D and Manufacturing Environments	Debbie Peru, DP Spectroscopy & Training, LLC
E26-06	Chemometrics without Equations (or Hardly Any)	Neal Gallagher, Eigenvector Research
E26-07	Advanced Proteomics Sample Preparation: Targeted Enrichment and Micro-to-Nanogram Scale Workflows	Reihaneh Safavisohi, Seton Hall University
E26-08	Advances in Portable Spectroscopy: Instruments and Applications	Richard Crocombe, Crocombe Spectroscopic Consulting and Pauline Leary, NOBLE
E26-09	Supercritical Fluid Chromatography	Larry Miller, Novartis J. David Pinkston, SuperSep Consulting, LLC

Code	Monday, November 16 8:30am - 5:00pm	Instructor(s)
E26-10	Getting the most from GC and GC/MS	Gregory Slack, Consultant Nicholas Snow, Seton Hall University
E26-11	Sample Preparation for Chromatography	Douglas Raynie, South Dakota State University
E26-12	Nitrosamine Risk Assessment and Control for Pharmaceutical Products	Jinjian Zheng, Merck & Co., Inc.
E26-23	Practical NMR Spectroscopy	Damodaran Achary, University of Pittsburgh

Code	Tuesday, November 17 8:30am - 5:00pm	Instructor(s)
E26-13	Successfully Implementing Key Elements of the USP and ICH Guidances in an Enhanced Analytical Procedure Development Workflow	Richard Verseput, S-Matrix Corporation
E26-14	Practical Bioanalytical Method Validation by LC-MS/MS	Perry Wang, US FDA
E26-15	PFAS - A Wonder Chemical which became a Nightmare	Jay Meegoda, NJ Institute of Technology
E26-16	Best-Practice Data Analysis for Reliable Chromatographic Results	Merlin Bicking, ACCTA, Inc.

Code	Tuesday, November 17 Half-Day Courses	Instructor(s)
E26-17	Green Analytical Chemistry (8:30 AM – 12:00 PM)	Douglas Raynie, South Dakota State University
E26-18	An Overview of Drug Development, Drug Quality, Regulatory, and Quality Control Processes (8:30 AM – 12:00 PM)	Michael Dong, MDW Consulting
E26-19	Analytical and Bioanalytical Aspects in ADC Drug Development and Subsequent Regulatory Submission (1:00 PM – 4:30 PM)	Xiaohui (Sophia) Xu, Daiichi Sankyo Zhi Chen, Bristol Myers Squibb

2026 EAS Short Course Schedule

One-Day Courses *continued*

Code	Wednesday, November 18 8:30am - 5:00pm	Instructor(s)
E26-20	Systematic HPLC Troubleshooting	Merlin Bicking, ACCTA, Inc.
E26-21	Process Analytical Technology: Out of the Lab & into the Line	James Rydzak, Specere Consulting
E26-22	Leading Labs: Improving Staff Performance and Engagement	Scott Hanton, Lab Manager
E26-24	Collecting Infrared Spectra and Avoiding the Pitfalls	Ellen Miseo, Miseo Consulting Jeff D'Agostino, Specac
E26-25	Painless Gas Chromatography Bootcamp - Show Your GC Who's Boss	Lee Polite, Axion Analytical Laboratories
E26-26	Regulatory Requirements for Therapeutic Peptides	Shreekant Karmarkar, DAT Pharma Consulting

For complete descriptions of all EAS Short Courses, [click on the course name to link to the description](#).

Register before October 15 for discounted rates on short courses.

[Click here for details](#)

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EAS Awards Program

Long Yuan, 2026 EAS Awards Chair

Each year, the Eastern Analytical Symposium honors Analytical Chemists who have distinguished career achievements. The recipients of these awards advanced these fields by superior work in developing theory, techniques or instrumentation. This year scientists, in six areas of endeavor, will be presented awards at a special session on November 17th, followed by a reception. All full conferee & full-time student conferee registrants are invited to attend.



Professor Richard van Breemen
Oregon State University
*EAS Award for Outstanding
Achievements in the Fields of
Analytical Chemistry*



Dr. David Bell
Phiex Technologies
*EAS Award for Outstanding
Achievements in Separation Science*



Professor Joshua Coon
University of Wisconsin-Madison
*EAS Award for Outstanding
Achievements in Mass Spectrometry*



Professor Robert Schurko
Post Humous
*EAS Award for Outstanding
Achievements in Magnetic Resonance*



Professor Brooke Kammrath
University of New Haven
*EAS Award for Outstanding
Achievements in Vibrational
Spectroscopy*



Professor Xin Yan
Texas A&M University
EAS Young Investigator Award

This other award will be presented under the auspices of the EAS Sponsoring Organization



Dr. Richard Crocombe
Crocombe Spectroscopic Consulting, LLC
*NY/NJ Section of the Society for Applied
Spectroscopy Gold Medal Award*

EAS Awards are selected by independent juries of experts in these respective fields from nominations received by the Award Committee from the scientific community at large. Each award consists of an honorarium, travel expenses to EAS, a plaque, and the opportunity for the Awardee to present their work at EAS at an Award Symposium in their honor. Visit our website for full biographies of Awardees. Persons wishing to make a nomination for any of the awards given by EAS should send complete documentation of the candidate (content of the nomination package detailed on the EAS website) electronically to: awards@eas.org. The deadline for all 2027 award nominations is September 1, 2026.

2026 EAS Student Research Awards

EAS continues to actively support a Student Awards program to recognize students involved in research in the broad field of analytical chemistry. We encourage professors to identify undergraduate Juniors in college and graduate students who demonstrate special talent in research. Nomination criteria include excellent grades, appraisals of how the students handle their investigations, their approach and how they resolve problems and publicly disseminate their work.

In 2026, four undergraduates and four graduate students have been selected based on these criteria to receive EAS Student Awards. The following outstanding students have been chosen from a very worthy field of candidates:

UNDERGRADUATE STUDENTS

Ben Edelman

University of Richmond

Nominated by Prof. Michael Leopold

Sarah Foster

William & Mary

*Nominated by Prof. Katelynn A. Perrault
Uptmor*

Iris Liebman

Yale University

Nominated by Prof. Stacy Malaker

Ishaan Singh

Purdue University

Nominated by Prof. Jesse Chi Zhang

GRADUATE STUDENTS

Noah Gould

Northeastern University

Nominated by Prof. Alexander R. Ivanov

Alyssa Moore

Purdue University

Nominated by Prof. Julia Laskin

Karol Woloszyn

New York University

Nominated by Prof. James Canary

Yongqing Yang

New Jersey Institute of Technology

Nominated by Prof. Hao Chen

The Governing Board of the 2026 EAS congratulates these awardees for their outstanding achievements.

The Student Awardees' posters will be presented on Tuesday, November 17, 2026 in the Poster Area on the Bridge to the hotel from 11:30pm – 12:25pm

Speed Mentoring Session



The Coblenz Society will offer an in-person Speed Mentoring event on Monday, November 16 from 11:45am – 1:15pm.

Speed Mentoring is a fun and fast paced session that enables a structured interaction with two dozen or more scientists from various industries, academia, and government labs that enable the mentees to get an understanding of what it's like to work in those areas. These interactions can be the basis of an ongoing mentoring relationship session if that is of interest and is a wonderful networking opportunity for job hunting or just getting a better understanding of life as a spectroscopist. This proved to be a good way to connect students with a variety of mentors and spark conversations in many possible career paths.

Mentors and Mentees must register for the Eastern Analytical Symposium & Exposition. During the online registration process you will need to respond to the question asking if you want to be a mentor/mentee. Space is limited; we encourage advance registration.

CALL FOR STUDENT REPRESENTATIVE

EAS is accepting applications for the November 2026 – November 2027 student representative position. Candidates will need to be either a full-time undergraduate or full-time graduate student through mid-2027. The role of the student representative is to work directly with the EAS publicity committee, creating posts for EAS social media platforms throughout the entire year and leading social media initiatives to increase engagement with EAS.

The candidate is expected to spend time each week making contributions to the social media platforms of EAS, attend 4 board meetings per year and be present at the 4-day symposium which is held the third week of November. Board meetings may be held virtually or in person and are mainly scheduled for a Friday morning. EAS provides travel reimbursement for attendance at the meetings. The affiliation starts November of 2026 with a maximum duration of 2 years.

A knowledge of social media platforms, current enrollment in a discipline centered in or related to the analytical sciences or scientific communication would be highly valued in this role. Applications consisting of a CV and a cover letter should be emailed to askeas@eas.org by the application deadline of September 15, 2026.

The Eastern Analytical Symposium (EAS) is a volunteer organization that sponsors a scientific conference and exposition each November. The annual symposium is attended by more than 1,000 scientists from industry, academia and government. The symposium offers educational short courses, student seminars, professional development workshops and technical sessions including award sessions, oral and poster presentations. The exposition presents information, products and services from companies that supply the analytical chemistry field. The symposium and all in person board meetings are held in the Princeton, NJ area.

2026 EAS Virtual Student Symposium (VSS)

September 14, 2026, 10:00 am – 5:00 pm

Call for Papers & Registration Deadline September 1, 2026!

We are excited to invite students to participate in the 2026 EAS-VSS! This event offers an invaluable opportunity for students to showcase their current research, gain presentation experience, and engage with a diverse community of experts and peers, all from the comfort of your own space. Whether you're looking to strengthen your resume, expand your professional network, or simply share your work with an audience of like-minded individuals, the EAS-VSS is the perfect platform for you.

Again, this year, we're excited to announce a competition component! **Present your research for a chance to win free registration to EAS 2026.** Three judges will evaluate presentations, and the winner will be awarded complimentary registration to the EAS November 16-18, where you can further present your research in one of our sessions and network with leaders in the field of analytical chemistry.

We encourage a wide range of research topics to represent the diversity and depth of analytical chemistry. This is your chance to share your work in a virtual setting and connect with the analytical community. Don't miss out on this unique opportunity to present, network, and compete for a chance to attend the prestigious EAS!

VSS Details:

- Date & Time: September 14, 10:00 am - 5:00 pm EDT (tentative end time)
- Who can present? Undergraduate and graduate students
- Presentation format: Choose between a slide presentation or a poster, with a brief oral presentation to accompany your visual display.
- Presentation length: 10-15 minutes for the presentation, followed by 5-10 min. for audience Q&A (20-min total time slot)
- Abstract submission is open and the deadline is September 1st; www.eas.org/asubmit
- **Registration:** The event is FREE to anyone, including peers, faculty, & family members.

Important Contacts:

- Fernanda Delgado (EAS Student Rep): fernanda.delgado@eas.org
- Motunrayo Oladele, (EAS Student Rep): motunrayo.ola@uky.edu



CAREER DEVELOPMENT WORKSHOPS

Register for EAS and take advantage of these FREE workshops to improve your job seeking skills!

ONLINE Workshop (via Zoom)

The Future of STEM Careers: Positioning Yourself on LinkedIn with AI & Human Skills

Lynne Williams, Executive Director, Great Careers Network

Online via Zoom; Thursday, November 12; 12:00 pm – 1:00 pm

AI, automation, sustainability, and evolving workforce demands are transforming analytical chemistry and related STEM careers. In this interactive 60-minute workshop, discover emerging trends, identify in-demand technical and human skills, and learn how to optimize your LinkedIn profile to showcase your expertise, build your professional brand, and position yourself for future opportunities.

In-Person Workshops

“Nobody Told Me this was Part of the Job: Learning as a Career Strategy”

Jan Peters, Ph.D. - Principal Scientist - Merck & Co., Inc

Live ON-SITE Workshop; Monday, November 16; 12:00 pm – 1:00 pm

The transition from formal education into a scientific career often feels like reaching the finish line—when in reality, it's just the starting point. In a rapidly evolving landscape across academia, industry, and government, continuous learning and development is not optional; it is nowadays essential for staying relevant, innovative, and feeling fulfilled.

This interactive session invites early-career and seasoned scientists alike to reflect on how they approach their growth beyond degrees. Through open discussion, shared experiences, and practical examples, we'll explore how to identify skill gaps, adapt to changing environments, and build a mindset of lifelong learning.

The Unwritten Rules of Success: Time, Allies, Productivity—and Yes, Manners

Erin Ennis Ballinger, Ph.D. & Mary Ellen McNally, Ph. D.

Live ON-SITE Workshop, Tuesday, November 17; 12:00 pm – 1:00 pm

Success in the analytical sciences increasingly depends not only on technical expertise but also on the ability to navigate complex professional environments with intention and agility. In this interactive workshop, Erin Ennis, Ph.D., and Mary Ellen McNally, Ph.D. will share practical career learnings centered on four critical dimensions of professional effectiveness: time management, productivity, allies, and—often overlooked but essential—manners. From their diverse experiences across industry and professional organizations, the presenters will explore strategies for prioritizing work in high-demand settings, aligning daily activities with long-term goals, and distinguishing between urgency and importance. Attendees will learn approaches to improving productivity without burnout, including planning, boundary-setting, and leveraging everyday actions to support consistent progress. Equally important, the session highlights the role of professional relationships. Participants will learn how to identify, cultivate, and sustain allies. Emphasis will be placed on building authentic connections across hierarchies and disciplines. The workshop will underscore the power of manners as a strategic asset rather than a formality. Small interpersonal interactions—respectful communication, follow-through, and acknowledgment—can significantly influence reputation, trust, and career trajectory. This is not your elevator speech, this is how you behave outside the elevator every day.

Reliable AI Agents for Analytical Science: Linking Digital Design with Instrument Execution

Gaurav Chopra, PhD Founder & CEO, LINKTON (a BrainGnosis Inc. company);

James Tarpo Jr. and Margaret Tarpo Professor of Chemistry, Purdue University

Live ON-SITE Workshop – Wednesday, November 18; 12:00 pm – 1:00 pm

Artificial intelligence is increasingly linking computational method development directly with analytical instrument execution. This talk will present neurosymbolic AI agents that combine structured experimental knowledge with instrument-aware reasoning to enable reliable, auditable automation of workflows across spectroscopy, chromatography, mass spectrometry, and chemical biology. Emphasis will be placed on quantitative benchmarking of AI reliability, protocol formalization for reproducibility, and closed-loop optimization of experimental methods, with applications in pharmaceutical analysis.

EMPLOYMENT BUREAU

The EAS Employment Bureau, which is free to all registered attendees, is offered for those seeking employees and employment. Job seekers will be able to review highlighted postings online during and after the symposium this November. Each posting will include contact information for questions and follow-up, so all job seekers are encouraged to review the available positions and contact the employers if interested. More information will be released later this year - stay tuned for the link to the online Employment Bureau!

Ray McClain

Employment & Workshop Chair

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We still have a few booth & tabletop spaces available. Please contact Janine at exposition@eas.org.

EAS Exhibitors 2026

Monday, November 16th	10:00 am to 6:30 pm
Tuesday, November 17th	10:00 am to 5:30 pm
Wednesday, November 18th	10:00 am to 1:00 pm

Expo Bingo

Each attendee will receive a Bingo card containing the names, locations, and logos of the Expo Bingo participants. By visiting these companies, you will learn more about their products and services. At each exhibitor, receive a sticker to cover that company's logo on your Bingo card. Once you have visited the participating companies and all Bingo squares are covered, turn your Bingo card into the EAS Souvenir Booth located in the exposition hall, to get a special gift. Additionally, your completed Bingo card will also be entered in a grand prize drawing with 3 chances to win. Each winner will have their choice of 1 of 3 prizes: EAS 2025 Registration, a \$100 Amazon Gift Card or a 2025 EAS Short Course (requires EAS Registration). **New for 2024, participants will also be able to play Expo Bingo using the EAS Mobile App.** More details on this option to follow!

Keynote Reception

Monday, November 16th
5:15pm - 6:30pm

Immediately following the keynote lecture, EAS invites all registered attendees to join us at the keynote reception that takes place in the exposition halls. Take this time to enjoy food and drinks while visiting the exhibits and networking with other attendees.

Exposition Mixer

Tuesday, November 17th
4:30pm - 6:00pm

EAS invites all registered attendees to join us at our annual Exposition Mixer. Sample passed hors d'oeuvres, appetizers and refreshments while learning about the newest developments in analytical instrumentation, supplies, technologies, and services. The Exposition Mixer is a wonderful opportunity to connect with technology and a fun way to end the day at EAS. This Mixer is open to all registered attendees.





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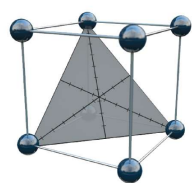
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EAS Exhibitors 2026

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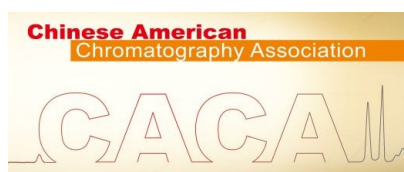
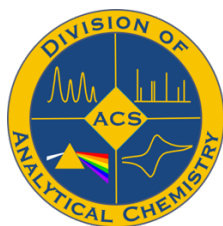
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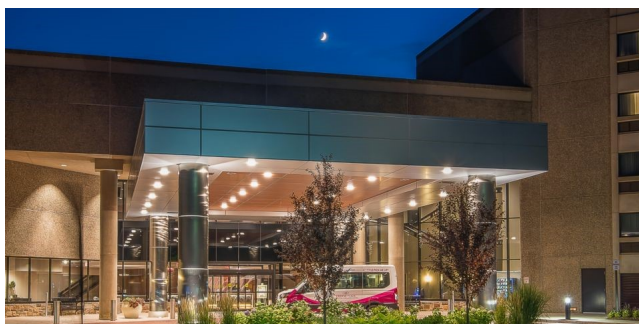
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Corporate Sponsors actively participate in the Eastern Analytical Symposium and Exposition. There are numerous opportunities for Corporate Sponsorship of technical sessions, awards, and other activities at the 2026EAS as well as advertising opportunities in our Final Program. For information, please contact the EAS Exposition Director at exposition@eas.org

Housing at the 2026 Eastern Analytical Symposium

EAS has a block of rooms reserved at The Crowne Plaza Princeton Hotel & Conference Center which is located on Scudders Mill Road in Plainsboro, NJ. The hotel is connected to the Conference Center where all EAS activities are held: Technical Program (Oral & Poster Sessions), Short Courses, Workshops, Seminars, Employment Bureau and Exposition.

In order to obtain a reservation at The Crowne Plaza Princeton hotel, you may use the web site or use the phone numbers provided below; be sure to use the Group Code to receive the discounted rate. You will need to provide a credit card number in order to guarantee your room. Please carefully read the information provided on the hotel's reservation website so that you are aware of any relevant cancellation penalties and dates. When you make your reservation, you will be provided with a confirmation; please retain it in case you need to modify your reservation.



Crowne Plaza Princeton

900 Scudders Mill Rd.
Plainsboro, NJ 08536
1-609-936-4200

2026 Room rate - \$189.00 per night plus tax
(you must mention **Group Code: EAS**)

[Click here for on-line reservations](#)

Transportation & Directions

LOCATION:

EAS will be held at the **Crowne Plaza Princeton-Conference Center & Hotel, 900 Scudders Mill Rd, Plainsboro, NJ 08536** (phone: 609-936-4200), located in the community of Plainsboro, NJ, just minutes from downtown Princeton. This location is ideally situated between Philadelphia and New York City. It is easy to reach from within New Jersey and the Mid-Atlantic region using some of the following highways: the New Jersey Turnpike, the Garden State Parkway, I-95, I-195, I-295, and Routes 1, 33, 133, 130 & 206.

PARKING & LOCAL SHUTTLE SERVICE:

Parking space is available at the Conference Center and at the adjacent Crowne Plaza Hotel and Holiday Inn Express. Overflow parking is available at the nearby Princeton Alliance Church at 20 Schalks Crossing Road, Plainsboro, NJ. **EAS will provide shuttle service from the overflow parking lot to the conference center Monday & Tuesday only.**

RAIL SERVICE:

NJ Transit Trains from Newark International Airport via the Northeast Corridor line is an economical and convenient method of transportation from Newark Airport and other locations in NJ, NY and PA. The closest train station is **Princeton Junction**. It serves both NJ Transit (www.njtransit.com) and Amtrak (<https://www.amtrak.com>). NJT / SEPTA trains from Philadelphia and NJ Transit trains from NYC are frequent. Amtrak offers service to/from New York City, Metro Park in NJ, Providence, Boston, Philadelphia, Wilmington DE, Baltimore, and Washington DC.

[Click here for more transportation options and for driving directions.](#)

EASTERN ANALYTICAL SYMPOSIUM & EXPOSITION



Navigate the Future of Analytical Chemistry: Intelligence and Integrity

November 16–18, 2026

Crowne Plaza Princeton – Conference Center
Plainsboro, NJ

**CALL FOR PAPERS OPENS
MARCH 1, 2026**

EAS invites **YOU** to be a part of the Technical Program this November. Contribute a paper for a poster presentation via our website. Online submission opens March 1st. **Deadline for poster papers is September 1, 2026.**

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EAS seeks contributions from scientists in many areas of analysis, which makes its program uniquely strong. Areas of interest include but not limited to:

Artificial Intelligence	Green Chemistry	Pharmaceutical Analysis
Bioanalysis	Industrial Hygiene	Portable Instrumentation
Biotechnology	HPLC / UHPLC / HPTLC	Process Analytical Science
Cannabinoid Analysis	ICP/MS	Proteomics & Metabolomics
Capillary Electrophoresis	Immunochemistry	Quality/Regulatory/Compliance
Cell and Gene Therapy	Ion Chromatography	Quality-by-Design
Chemometrics	IR Spectroscopy	Raman Spectroscopy
Chiral Separation	Laboratory Automation	Robotics
Conservation Sciences	Laboratory Management	Sample Preparation
Consumer Products Analysis	Laboratory Miniaturization	Science Education
Counterfeit Analysis	LC/MS, GC/MS	Sensors
Electrochemistry	Mass Spectrometry	Size Exclusion Chromatography
Environmental Analysis	Microfluidics	Solid State Analysis
Extractables & Leachables Analysis	Microscopy	Statistics & Data Mining
Food Analysis	Nanotechnology	Supercritical Fluid Chromatography
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