ADLM 2025

BRING THE WONDER

PROGRAM GUIDE

ADLM
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CSCC

This year's meeting will be held in partnership with the Canadian Society of Clinical Chemists (CSCC).

WELCOME TO CHICAGO FOR

ADLM 2025

HERE ARE THE HIGHLIGHTS!
For the full program guide and more amazing events, download the ADLM 2025 app or visit us on site at customer service.

ADLM 2025 IS WHERE THE WORLD'S LABORATORY MEDICINE LEADERS GATHER TO BE AMAZED, INSPIRED, AND TRANSFORMED. ONCE A YEAR, WE UNITE TO SPARK AWE, IGNITE IDEAS, AND PUSH BOUNDARIES. FROM AI TO NANOTECH, MASS SPECTROMETRY TO MOLECULAR BREAKTHROUGHS, THE WOW OF NOW AWAITS AT EVERY TURN.

JOIN US FOR 800+ EXHIBITORS, 250+ SESSIONS, POWERFUL NETWORKING, LIVE DEMOS, AND NEW INNOVATIONS COMPETING FOR THE DISRUPTIVE TECHNOLOGY AWARD. **BRING YOUR CURIOSITY—AND LEAVE READY TO SHAPE WHAT'S NEXT.**

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- **VIEW** details on the Opening Mixer, ancillary events and networking opportunities.
- **PLAN** each day with a built-in calendar.
- **GET** the most up-to-date, accurate information.
- **ACCESS** detailed session and speaker information.
- **PARTICIPATE** in session polling and view live session presentations through the interactive audience engagement technology.
- **BROWSE EXHIBITORS** and map out your path through the Expo Hall.
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- **ORGANIZE** your notes about exhibitors or check off which ones you've visited.
- **PLAY the Scavenger Hunt,** navigating the Expo Hall by visiting booths and answering questions to earn prizes.
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TO DOWNLOAD:

- **Visit meeting.myadlm.org/2025app**
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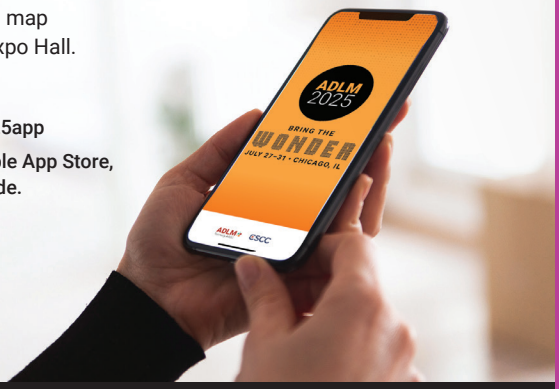

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ADLM 2025 educational sessions take place from Sunday, July 27–Thursday, July 31, at the McCormick Place Convention Center in Chicago, Illinois (United States).

ACCENT ACCREDITATION STATEMENT

ADLM offers ACCENT credit to laboratory professionals to document their continuing education and meet requirements for licensure or certification. ADLM is an approved provider of continuing education for clinical laboratory professionals in the states of California, Florida, Louisiana, Montana, Nevada, North Dakota, Rhode Island, and West Virginia. California clinical laboratory professionals requesting ACCENT credit must provide their license number for credit to be reported to the California Department of Public Health Laboratory Field Services. Florida clinical laboratory professionals requesting ACCENT credit must provide their license number for credit to be reported to CE Broker. ADLM designates this activity for a maximum of 28.0 ACCENT credits. Learners should claim only the credit commensurate with the extent of their participation in the activity.

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The faculty, planning committee members, and staff who are in a position to control the content of this activity are required to disclose to ADLM and to learners of any financial relationship(s) of the individual that have occurred within the last 24 months with any ACCME-defined ineligible companies. ADLM has reviewed all disclosures and mitigated all identified conflicts of interest, as applicable. A summary of faculty disclosures is available in the online session search, in the meeting mobile app, and at **meeting.myadlm.org/facultydisclosures**. All faculty also display their disclosure information at the beginning of each session, verbally and/or on their presentation slides.

ACKNOWLEDGMENT OF COMMERCIAL SUPPORT

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Release Date: July 27, 2025

Expiration Date: October 31, 2025 (last day to claim credit)

Scan the code or go online to evaluate sessions and claim credit.

OPENING PLENARY SESSION

SUNDAY, JULY 27
5:00 p.m.–6:30 p.m.

LOCATION: Grand Ballroom (S100)
ACCENT: 1.0, CME: 1.0

2025 WALLACE H. COULTER LECTURESHIP AWARDEE

Global strategies to advance genomic medicine

Heidi L. Rehm, PhD, FACMG

Director, Genomic Medicine Unit,
Center for Genomic Medicine, MGH
Chief Genomics Officer, Department of Medicine, MGH
Co-Director, Medical and Population Genetics, Broad Institute
Medical and Clinical Lab Director, Broad Clinical Labs
Professor of Pathology, Harvard Medical School
Cambridge, MA, USA

Supporting genomics in research and medicine requires infrastructure, including standards, knowledgebases and global data sharing, as well as a rich interface between research and clinical care as new discoveries are made. This plenary session will present strategies to identify novel causes of rare disease including the application of new technologies and analysis methods as well as building innovative approaches to global data sharing and novel approaches to support genetics and genomics in medical practice.

9:00 a.m. – 12:00 p.m.	**MORNING ADLM UNIVERSITY COURSES** S **Cracking the CBC code: Basics of CBC testing and unmasking leukemia, anemia, and mimics through smear sleuthing** *S402* A C **Fundamentals of method evaluation and validation** *S404ab* A C **Next generation sequencing for laboratorians: Understanding the essentials** *S403* A C
9:00 a.m. – 4:30 p.m.	**FULL-DAY ADLM UNIVERSITY COURSES** S **Updated guidance and best practices in clinical implementation of LC-MS/MS** *S501abc* A **Practical considerations in evaluating and implementing artificial intelligence solutions for today's clinical laboratorian** *S503* A C **Skills to solve problems and resolve challenges in point-of-care testing** *S502* A
1:30 p.m. – 4:30 p.m.	**AFTERNOON ADLM UNIVERSITY COURSES** S **Everything but the chemistry sink: Skills development for oversight of non-chemistry areas** *S402* A C **Learning from the errors of others: An exploration of error in the total analytical process** *S404ab* A C **Putting some PEP in your step: A hands-on guide and best practices for everyday protein electrophoresis and immunotyping interpretation** *S403* A C **Project management for laboratory leaders: Skills for success** *S404cd* A C
5:00 p.m. – 6:30 p.m.	**PLENARY SESSION** **Global strategies to advance genomic medicine** *Grand Ballroom S100* A C Heidi L. Rehm, PhD, FACMG 2025 WALLACE H. COULTER LECTURESHIP AWARDEE
6:30 p.m. – 8:00 p.m.	**OPENING MIXER** *Lakeside East Terrace*

EDUCATION SPECIAL SESSIONS EVENTS A ACCENT C CME

6:00 a.m. – 7:00 a.m.	**UNI5K** *Lakeside Center Terrace*
7:30 a.m. – 8:30 a.m.	**ROUNDTABLES** *(see p.13 for complete listing)*
8:00 a.m. – 12:00 p.m.	**INTERNATIONAL MARKET BRIEFING** *Great Lakes Ballroom D-G, Marriott Marquis Chicago*
8:45 a.m. – 10:00 a.m.	**PLENARY SESSION** **Artificial intelligence in real world clinical settings** *Grand Ballroom S100* A C Judy Wawira Gichoya, MD, MS, FSIIM
9:30 a.m. – 4:00 p.m.	**STUDENT RESEARCH AWARD POSTER COMPETITION** *S405*
10:30 a.m. – 11:30 a.m.	**MEET-THE-EXPERT** **Global strategies to advance genomic medicine** *S101b* A C Heidi Rehm, PhD, FACMG
10:30 a.m. – 12:00 p.m.	**PRESIDENT'S INVITED SESSION** **Laboratory test harmonization and standardization: The need, the roadmap, and a model example** *S402* A C Moderator: Anthony Killeen, MD, BCh, PhD, DABCC, FADLM **SCIENTIFIC SESSIONS** **Life-saving or redundant? 1-hour glucose to diagnose intermediate hyperglycemia and diabetes** *S403* A C **Advancing patient safety through global laboratory quality indicators: Insights from the IFCC model** *S404a* A C **Using quality assurance parameters to ensure accurate mass spectrometry results** *S404c* A C **Turning down the volume: Current and future coping strategies for small volume specimens from babies through adults** *S501* A C **Emerging pathogens: Science, strategy, and lab readiness** *S502* A C **Supporting healthy Indigenous communities through laboratory medicine and public health** *S503* A C **ADLM guidance on emergency department toxicology testing: Impact on your laboratory** *S504* A C **From bench to bedside: The evidence and implementation of GFAP & UCH-L1 in TBI evaluation** *S505* A C
12:30 p.m. – 1:30 p.m.	**ROUNDTABLES** *(see p.13 for complete listing)*

EDUCATION SPECIAL SESSIONS EVENTS A ACCENT C CME

12:30 p.m. – 2:00 p.m.	**CHAIR'S INVITED SESSION** **Metabolic reset in the age of GLP-1 receptor agonists: Changes in metabolism beyond diabetes and weight loss** *S403* A C Moderator: Steven Cotten, PhD, DABCC, FADLM **SCIENTIFIC SESSIONS** **Bad, better, best: Putting generative AI to the test** *S402* A C **Eliminating inequities in STIs using point-of-care testing: Identifying unmet needs** *S404a* A C **Update on cystatin C: Improving care with cystatin C integration into clinical practice, and practical strategies for laboratory implementation** *S501* A C **Serologic testing in the age of molecular diagnostics** *S502* A C **Strategies for optimizing diagnostic accuracy of thrombophilia testing in the presence of DOAC interference: Real world applications of ADLM guidance** *S503* A **Laboratory biomarkers for diagnosis of multiple sclerosis: The 2024 update to the McDonald criteria** *S504* A C **Challenges in clinical molecular diagnostics: Assay validation, assay updates, and reimbursement** *S505* A C
1:00 p.m. – 2:00 p.m.	**STUDENT RESEARCH AWARD ORAL POSTER COMPETITION** *S404cd*
2:30 p.m. – 4:00 p.m.	**SCIENTIFIC SESSIONS** **Adventures in clinical decision support: Tackling orders for daily lab tests** *S402* A C **Contextualizing the use of race in laboratory medicine** *S404a* A C **The role of measuring cytokines in cancer immunotherapy** *S404c* A C **You are in Jeopardy: Effective strategies for laboratory crisis management** *S406b* A C **What the lab reports matters: Impact of eGFR reporting on drug decisions in clinical practice** *S501* A C **Expand your reach: Unlocking hospital laboratory potential through outreach** *S502* A C **Beyond pamphlets and brochures: Strategic marketing skills to optimize your lab's offerings** *S503* A **From data to decisions: Enhancing toxicology testing with computational approaches** *S504* A **Next generation diagnosis of adrenal disorders** *S505* A C
2:30 p.m. – 4:00 p.m.	**SRA POSTER JUDGING** *S405*
4:30 p.m. – 6:00 p.m.	**DISRUPTIVE TECHNOLOGY AWARD COMPETITION** *Grand Ballroom S100*

7:30 a.m. – 8:30 a.m.	**ROUNDTABLES** *(see p.14 for complete listing)*
8:45 a.m. – 10:00 a.m.	**PLENARY SESSION** **Infodemic! Is misinformation killing us?** *Grand Ballroom S100* A C Timothy Caulfield, CM, LLM, FRSC, FCAHS
9:30 a.m. – 5:00 p.m.	**CLINICAL LAB EXPO + POSTER HALL** *Join us for a coffee break in the Expo Hall at 9:30 a.m.*
10:30 a.m. – 12:00 p.m.	**SCIENTIFIC SESSIONS** **CCJ hot topics: Designing and implementing artificial intelligence in laboratory medicine** *S402* A C **Update on clinical assay issues: What endocrinologists will frequently ask you** *S403* A C **Quantitating compliance for point-of-care testing: Implementation, milestones, and metrics** *S404a* A C **Academy distinguished abstracts: Advancing diagnostics using new biomarkers and technologies** *S404c (Credits TBD)* **Laboratory test showdown! Winning with laboratory stewardship** *S405* A C **ADLM Healthcare forum: Addressing challenges in pediatric test access and reference intervals** *S501* A C **When urine trouble and it 'snot straightforward: Clinically relevant thresholds for workup of urine and respiratory cultures** *S502* A C **How hematologists, laboratorians, and transfusion medicine physicians partner to diagnose, manage, and support patients with sickle cell disease** *S503* A **Practical considerations in evaluating screening and confirmation urine drug tests: Fentanyl as an example** *S504* A C
12:00 p.m. – 1:30 p.m.	**CAREERS IN INDUSTRY LUNCHEON** *S406b*
12:30 p.m. – 1:30 p.m.	**ROUNDTABLES** *(see p.14 for complete listing)*
1:30 p.m. – 2:30 p.m.	**POSTER AUTHORS PRESENTATIONS** **Cardiac Markers** *A-001–A-031* **Endocrinology and Metabolism** *A-032–A-083* **General Clinical Chemistry and Laboratory Medicine** *A-084–A-121* **Hematology and Coagulation** *A-122–A-176* **Laboratory Management and Patient Safety** *A-178–A-228* **Lipids, Lipoproteins, and Cardiovascular Risk Factors** *A-230–A-250* **Microbiology and Infectious Disease** *A-254–A-333* **Pediatric and Maternal Fetal Medicine** *A-334–A-361* **Point-of-Care Testing** *A-362–A-416*

EXPLORE 700+ POSTERS IN 2 DAYS!

EDUCATION SPECIAL SESSIONS EVENTS A ACCENT C CME

2:00 p.m. – 3:00 p.m.	**AFTERNOON SNACK BREAK** *Expo Hall*
2:30 p.m. – 4:00 p.m.	**SCIENTIFIC SESSIONS** **A practical guide to remote sampling: Regulatory and technical considerations for successful implementation of microsampling devices in the clinical laboratory** *S402* A **Federal oversight of LDTs: Where we are and where we're going** *S403* A C **Role of component resolved testing in food allergies: From peanuts to tick-borne red meat allergies** *S404a* A C **You did what now? Addressing questionable laboratory practices** *S404c* A C **The compliance detective: Finding errors before they become issues** *S405* A C **The dilemma of bad testing: Is something better than nothing?** *S502* A C **Can changes in hematologic parameters be useful in the determination of ferritin thresholds for assessment of iron deficiency?** *S503* A **Speed sessions in lab analytics: Practical tips, tricks, and tools for operational excellence** *S505* A C
4:30 p.m. – 6:00 p.m.	**UNIVANTS SPECIAL SESSION** **Igniting clinical excellence: Trends and tactics for achieving measurably better healthcare outcomes** *Grand Ballroom S100* A *Open to all registered attendees, including Expo only.*

BACK BY POPULAR DEMAND!

DIVISION-LED ePOSTER DISCUSSIONS

Hear from top-rated presenters live at ePoster kiosks in the Poster Hall.

TUESDAY, JULY 29

12:30 p.m.–1:30 p.m.
- Hematology & Coagulation
- Point-of-Care Testing

2:30 p.m.–3:30 p.m.
- Endocrinology & Metabolism
- Pediatric & Maternal-Fetal Medicine

WEDNESDAY, JULY 30

12:30 p.m.–1:30 p.m.
- Immunology & Infectious Disease
- Innovation & Technology

2:30 p.m.–3:30 p.m.
- Health Equity & Access

DON'T MISS ANYTHING! Chicago All-Access registrants can view ePosters online through August 30, 2025 at **posters.myadlm.org**.

7:30 a.m. – 8:30 a.m.	**ROUNDTABLES** *(see p.15 for complete listing)*
8:45 a.m. – 10:00 a.m.	**PLENARY SESSION** **Precision microbiome medicine: Identifying diagnostics and treatments** *Grand Ballroom S100* A Jack Gilbert, PhD
9:30 a.m. – 5:00 p.m.	**CLINICAL LAB EXPO + POSTER HALL** *Join us for a coffee break in the Expo Hall at 9:30 a.m.*
10:30 a.m. – 12:00 p.m.	**SCIENTIFIC SESSIONS** **Addressing metabolic risk for specialized populations with novel laboratory medicine tools** *S402* A C **Improving laboratory analysis and continuous glucose monitoring (CGM) quality to optimize diabetes therapy** *S403* A C **Metabolomics for diagnosis and monitoring treatment of inborn errors of metabolism** *S404a* A C **JALM hot topics: Diagnostic stewardship in action! Adding laboratory medicine value and improving healthcare** *S404c* A C **Preeclampsia: Precision tools to improve prediction, enabling access in resource limited settings, and personalized medicine in special populations** *S501* A C **Breaking down silos: Transfusion medicine, microbiology, and hematopathology intersections with clinical chemistry** *S502* A C **The fee-for-service payment system for lab tests: A challenge for labs, patients, physicians, and insurers** *S503* A C **CSI clinical lab: Addressing the legal implications of your clinical lab results** *S504* A
12:30 p.m. – 1:30 p.m.	**ROUNDTABLES** *(see p.15 for complete listing)*
1:30 p.m. – 2:30 p.m.	**POSTER AUTHORS PRESENTATIONS** **Animal Clinical Chemistry** *B-001–B-008* **Automation and Analytical Techniques** *B-010–B-079* **Clinical and Diagnostic Immunology** *B-080–B-132* **Data Analytics, Informatics, and Statistics** *B-133–B-168* **Mass Spectrometry and Separation Sciences** *B-169–B-200* **Molecular Diagnostics and Genetics** *B-201–B-255* **Proteomics and Protein Markers** *B-257–B-268* **Therapeutic Drug Monitoring and Toxicology** *B-269–B-326* **Tumor Markers and Cancer Diagnostics** *B-327–B-373*
2:00 p.m. – 3:00 p.m.	**AFTERNOON SNACK BREAK** *Expo Hall*

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2:30 p.m. – 4:00 p.m.	**SCIENTIFIC SESSIONS** **Analytical approaches to preanalytical errors** *S402* A C **Population screening for type 1 diabetes: Controversies and opportunities** *S403* A C **Lab adventures: Mastering diagnostics through real-life cases** *S404a* A C **Enhancing engagement between laboratory medicine professionals and C-suite executives** *S404c* A C **Global working groups advancing diagnostics and laboratory medicine: Achievements, gaps, and future directions** *S501* A C **Let's talk about STIs, baby: Considerations for STI diagnoses and pharmacologic changes during pregnancy** *S502* A C **Counting the cost of inappropriate laboratory testing** *S503* A C **Forensic toxicology case files: Uncovering the laboratory's crucial role in investigations, patient care, and public health** *S504* A C
4:00 p.m. – 5:00 p.m.	**2025 LABORATORY FEUD: CANADA VS. U.S.** *Expo Hall*

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Step into a showcase of discovery, where breakthrough innovations are shaping the future of clinical testing and patient care.

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8:45 a.m. – 10:00 a.m.	**PLENARY SESSION** **The urgent threat of plastics to human health, and what we can do about it** *Grand Ballroom S100* A C Leonardo Trasande, MD, MPP
9:30 a.m. – 12:00 p.m.	**CLINICAL LAB EXPO** *Join us for a coffee break in the Expo Hall at 9:30 a.m.*
10:30 a.m. – 12:00 p.m.	**SCIENTIFIC SESSIONS** **Large language models in laboratory medicine: Foundations, cutting-edge advances, and applications** *S402* A C **Proteomics in diabetes: Development and interlaboratory transfer of LC-MS/MS assays for clinical research and patient care** *S403* A C **Revised criteria for diagnosis and staging: An update on blood-based biomarkers in Alzheimer's disease and other dementia** *S404a* A C **Approaches and assumptions in laboratory reference interval determination** *S404c* A C **Sepsis mythbusters: The what and why of sepsis** *S502* A C **Do sex differences in cardiac troponin cut-offs matter** *S503* A C

EDUCATION SPECIAL SESSIONS EVENTS A ACCENT C CME

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ROUNDTABLE SESSIONS

7:30 a.m.–8:30 a.m. (40000 Series) -or- 12:30 p.m.–1:30 p.m. (50000 Series)
Location: *S406a* • *ACCENT: 1.0, CME: Not eligible*

Roundtable sessions are presented twice daily. Attendance is limited to 10 participants per session. Advance registration and session fees are required. Coffee is provided and concession stands are available to purchase food.

MONDAY, JULY 28

- Assay interference: Tracking analytical difficulties in a clinical central automated laboratory setting
- Best practices in patient impact analysis using case studies from pediatric and rural healthcare settings
- Beyond the report: Helping patients understand their laboratory data
- Blood biomarkers for mild traumatic brain injury detection and clinical decision-making
- Case-based approach to learning hemoglobinopathy and thalassemia basics
- Catch me if you can: Automated solutions for identifying specimen contamination with IV fluids
- Emerging technologies to enable remote monitoring and micro sampling for greater health equity
- Emerging trends and challenges in benzodiazepine testing: How to optimize protocols, interpret results, and communicate with the clinical team
- HBA1c, an over confidently interpreted lab result?
- How blood tests are affected by transfusion or apheresis
- How often to repeat the test: Importance & challenges of minimum retesting interval
- Implementing pharmacogenomics in a CLIA laboratory: Practical considerations and challenges
- Importance of the preanalytical phase in general chemistry testing and immunoassays: A case-based discussion
- ISO 5649: A new international standard for laboratory developed tests
- It's about time: Rethinking time management for laboratorians
- Leadership and management strategies for optimizing laboratory workflows and fostering collaborative team dynamics in diagnostic settings
- Mastering the art of protein electrophoresis interpretation
- Optimizing employee health drug screening: Best practices for method selection, quality standards, and informed hiring decisions
- Plasma amino acid, acylcarnitine, and urine organic acid interpretation: A case-based study for diagnosing metabolic disorders
- Recent advances in circulating biomarkers and their role in the diagnosis of neurodegenerative disorders
- Reduced hemolysis and outliers in high sensitivity troponin testing
- The benefits of LOINC to the IVD industry: Captured in a LIVD file
- The harmonious path forward for serum creatinine, cystatin C, and eGFRs
- Therapeutic drug monitoring of antineoplastic agents in children
- Thinking outside the box: Bringing laboratory testing to the patient
- Towards standardized biomarkers for diabetes diagnosis: Challenges, successes, and future directions
- Unusual cases in pediatric clinical chemistry, including impact of inborn errors of metabolism, congenital defects, and errors in testing
- Use and interpretation of statistics in method comparisons
- Validating a new coagulation instrument: Resources and requirements
- When to call it? Critical values

ROUNDTABLE SESSIONS

7:30 a.m.–8:30 a.m. (40000 Series) -or- 12:30 p.m.–1:30 p.m. (50000 Series)
Location: *S406a* • *ACCENT: 1.0, CME: Not eligible*

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TUESDAY, JULY 29

- An approach for the rapid validation of body fluids in the clinical chemistry laboratory
- Antimicrobial resistance diagnostics and its need for appropriate reference materials
- Beyond urine: Unveiling toxicological enigmas and interpreting complex toxicology cases in different matrices
- Challenges and strategies for adoption of point-of-care testing for infectious diseases
- Challenges in selecting instruments and methods for amino acid analysis
- Coagulation on autopilot: Navigating preanalytical variables in the age of automation
- Complex data analysis for dummies: Using ChatGPT prompts to enhance clinical data analysis through coding
- CSI DIY: Leveraging your laboratory information system to establish methods for conducting specimen integrity investigations
- Delta check rules for detection of intravenous fluid contamination in a clinical chemistry laboratory
- Diabetes in gestation and postpartum: How the lab can help
- Does one size fit all? A practical guide to tiered hemolysis thresholds
- Dyslipoproteinemias: A comprehensive overview of laboratory findings, clinical manifestations, and case studies
- Enhancing laboratory performance through proficiency testing: Design, challenges, and solutions
- Harnessing natriuretic peptides for early heart failure detection: The laboratory's role in screening high-risk populations
- HIV diagnostics: What's next?
- Implementing a new test or a new instrument? A crash course on method evaluation
- Is your immunosuppressant LC-MS/MS method accurate? Analysis of preanalytical and quality factors
- Lead poisoning: A major childhood health problem and how the lab aids in prevention
- Leveraging personnel strengths to support your lab: Practical applications of the ASCP "Aligning Your Lab Team" job aid
- Navigating laboratory operations during 20 days of laboratory information system downtime: Strategies and lessons learned
- Opportunities and challenges for leveraging generative artificial intelligence technologies in the clinical laboratory
- Practical considerations in blood gas testing
- Quality control in molecular biology laboratories
- Recognition of opioid abuse and an introduction to fentanyl analogues
- Reference intervals: Current limitations and new approaches
- Refresher on quality control procedures in laboratory medicine
- Science of architecture: Understanding critical tenets of lab planning and design for your next modern lab construction project
- Stick to the norm: Performing reference interval verification studies
- Understanding the impact of blood collection tube components on clinical assays: A practical guide for managing supply chain disruption

WEDNESDAY, JULY 30

ANA testing on HEp-2 cells: How automation and ICAP can help with standardization

Beyond academia: Exploring career pathways for clinical chemists in pharmaceutical and diagnostics industry
Not ACCENT eligible

Biomarkers of acute kidney injury in pediatrics: Focus on NGAL

Computerized provider order entry (CPOE) decision support tool for monoclonal gammopathy screening

Continuous glucose monitoring: Does more data improve diabetes care?

Developing a HILIC LC-MS/MS method for therapeutic drug monitoring

Drug screening in the clinical lab: Case studies and future directions

Emerging applications of LC-MS/MS and LC-HRMS for inherited metabolic disorders and organic acidurias

Evaluating testing practices for congenital cytomegalovirus infections in neonates: Advances, outcomes, and challenges

Expanding therapeutic drug monitoring to remote areas: Promise and pitfalls of volumetric absorptive microsampling (VAMS)

Improving testosterone and estradiol measurements: Going beyond calibration

Improving the quality of biomarkers for cardiovascular diseases: The next stage of the CDC Cardiovascular Disease Biomarker Standardization Programs

Integration and standardization of chemistry laboratories in the health system

Interpreting Alzheimer's disease biomarkers: Assay selection, performance considerations, and practical approaches for diagnostic accuracy

Is my patient's result real? Considerations when interpreting endocrine laboratory tests

KDIGO guidelines and the standardization of PTH: Impact on CKD patient care

LC-MS/MS harmonization: Multiple instruments, identical results

Leadership essentials for the modern laboratory leader

Mass spectrometry-based proteomics: Analytical methods, applications, and software

Navigating regulatory requirements: Practical strategies for clinical LC-MS/MS methods

Optimizing coagulation care: The role of therapeutic drug monitoring

Put me in coach: Professional development as an extension of your quality improvement mindset

Strategic initiatives to foster positive transformations in laboratory medicine

Strategies for strengthening clinical laboratory services in resource-limited settings

The future of middleware solutions: Benefits, considerations, and the emergence of AI

Therapeutic drug monitoring of busulfan: From sample analysis to dose recommendation

Thinking beyond creatinine: Next-generation biomarkers for early prediction and diagnosis of acute kidney injury

Value-based laboratory medicine: Navigating the clinical lab's transition from volume-based to value-based

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