

CLEC
2025

ATTEND IN-PERSON OR VIRTUALLY

Register for #CLEC2025 by **December 20** and **SAVE!**

ascls.org/clec

**41st Annual
Clinical Laboratory Educators Conference**

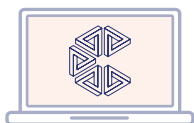
**Atlanta, Georgia
March 6-8, 2025**

CLEC 2025

The Clinical Laboratory Educators Conference (CLEC) is the most impactful annual gathering for faculty, administrators, directors, advisers, and all in medical laboratory education. It is a shared experience unlike any other – educators from all types of programs and with varying years of experience gather to exchange innovative ideas, discuss research activities, and receive support from their peers.

While attending CLEC, you will identify new trends in laboratory education, develop innovative teaching techniques, manage change, enhance instructional skills, and so much more. The educational content addresses the diverse needs of our educator community. Designed to give you take-aways that you can bring home and implement in your program, educational sessions focus on educational theory, program management, and meeting the needs of students.

In addition to the educational program, CLEC provides valuable opportunities to meet with industry partners and collaborate with other educators in your discipline. Discover new products and services that can support and enhance your instructional methods, and build your network of educators who share your passion to provide excellent clinical laboratory education.



Check the CLEC website for additional details as they become available. Read the eCLECtic blog for regular updates on new program developments and interesting opportunities for CLEC 2025. ascls.org/clec

CONTINUING EDUCATION CREDIT

CLEC provides a wide range of educational opportunities to meet your continuing education needs. The 2025 program offers over 40 hours of P.A.C.E.[®]-approved, quality educational programming.

ASCLS P.A.C.E.[®] is accepted by ASCLS, the American Society for Clinical Pathology (ASCP), and the Association of Genetic Technologies Board of Certification and all states for recertification and licensure. ASCLS is an approved provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.[®] Program. ASCLS is an approved provider with CE Broker for Florida licensees and will submit attendance to CE Broker.

To document the P.A.C.E.[®] credits you earn, you will be able to produce a P.A.C.E.[®] certificate of attendance using the ASCLS CE Organizer online at <http://ceorganizer.ascls.org>.

GENERAL LEARNING OBJECTIVES

At the conference's conclusion, participants will be able to:

- Discuss teaching strategies to engage students and improve learning outcomes.
- Integrate new topics, science, and skills into the current curriculum.
- Identify innovative and novel approaches to the education of future laboratory professionals.

IN-PERSON AND VIRTUAL ATTENDANCE OPTIONS

To provide you with flexibility to participate in CLEC in the format that best fits your preferences, you have the option to attend CLEC either in-person in Atlanta or virtually through the streaming device of your choice, wherever you are.

All educational sessions will be streamed live and recorded. Both in-person and virtual registrants will have access to all session recordings for 30 days after the event—over 40 hours of P.A.C.E.[®]-approved credit—as well as additional virtual content provided in the conference app. You get to choose which sessions and events you want to attend live and which recordings you will view later when the time is right. Design a CLEC schedule that fits your work and personal life.

- **In-Person Attendance:** CLEC 2025 will be held at the Westin Peachtree Plaza in Atlanta. In addition to the more than 40 educational sessions detailed in this brochure, the event also includes peer-submitted posters, industry partner exhibits, networking activities, and select meals.
- **Virtual Attendance:** You will have access to the more than 40 educational sessions detailed in this brochure, either streamed live or recorded; industry partner virtual activities; virtual peer-submitted posters; and virtual networking events.

CLEC 2025 Online Community: All registered attendees will be included in the CLEC 2025 online community where you can ask questions, start discussions, and get advice from other CLEC attendees before, during, and after the event. Learn from the CLEC Host Committee about things to do and places to eat in Atlanta. Get tips from long-time CLEC attendees about how to maximize your experience. And continue collaborating with the educators you meet after CLEC 2025 wraps up.

*If your circumstances change and you want to change your registration from virtual to in-person, or vice versa, you can modify your registration at any time. Modifications from in-person to virtual attendance made before **February 14, 2025**, will include the registration payment balance refunded. After February 14, no refunds will be issued.*

SCHEDULE-AT-A-GLANCE

All times in Eastern Time. Schedule subject to change.

THURSDAY, MARCH 6

9:00 am – 11:30 am New Educator Workshop

11:30 am – 12:30 pm Networking, Industry Engagement

12:30 pm – 6:15 pm Opening Keynote, Educational Sessions, Industry Engagement, Networking

6:15 pm – 8:00 pm Reception with Industry Partners

FRIDAY, MARCH 7

7:00 am – 5:00 pm Clinical Laboratory Educators Forum
Meet Up and Breakfast, Educational Sessions,
Industry Engagement, Networking

SATURDAY, MARCH 8

7:30 am – 12:00 pm Breakfast, Educational Sessions, and Closing Keynote



NEW EDUCATOR WORKSHOP

THURSDAY, MARCH 6

9:00 – 11:30 am Eastern Time

The annual New Educators Workshop (NEW) addresses the needs of those new to educator positions in clinical laboratory science-related programs. NEW is designed to assist early-career educators with transitioning into teaching roles and support their professional development.

This year's session will empower you to provide feedback that will help students go beyond basic error recognition and deepen their learning. Join us to acquire new insights and skills for implementing feedback strategies that are both impactful and personalized to your teaching.

Attendees will have the opportunity to engage with the presenters and fellow educators via interactive presentations, discussions, and peer-to-peer learning activities.

SPEAKERS: Samantha Peterson, MS, MLS(ASCP)^{CM}

University of North Dakota

Brooke Solberg, PhD, MLS(ASCP)^{CM}

University of North Dakota

LEVEL OF INSTRUCTION: Basic

*Additional registration required and **available to in-person attendees only.**
Cost: \$110 for ASCLS members/\$160 for non-members. Participants can earn 2.0 hours of P.A.C.E.[®] credit*



FRIDAY EVENING— FREE NIGHT IN ATLANTA

After a day filled with education, you have the evening free to explore Atlanta. The Westin Peachtree Plaza is located in the heart of downtown Atlanta. The hotel is steps away from popular attractions like Centennial Olympic Park, The Georgia Aquarium, Center for Civil & Human Rights, World of Coca-Cola, Sweet Auburn Curb Market, and more. Easily access additional attractions and popular Atlanta neighborhoods via MARTA thanks to the close proximity to Peachtree Center Station. On-site amenities include the famed Sun Dial Restaurant, Bar & View—with award-winning food and panoramic views of the skyline. Check the CLEC website for complete details as they become available (ascls.org/clec).

NAACLS WORKSHOP

THURSDAY, MARCH 6

7:00 am – 12:00 pm Eastern Time

The National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) will present the following hybrid workshop, **“Winds of Change: Understanding the 2024 Standards and Compliance Changes.”**

James March Mistler, ABD, MS, MLS(ASCP)^{CM}, and Frankie Harris-Lyne, MS, MLS(ASCP)^{CM}, NAACLS Review Committee members, will guide you through the newly released NAACLS 2024 Standards and outline what has changed, what remains the same, and what is brand new.

This workshop will showcase crosswalk examples of the most significant changes in the Standards and Standards Compliance Guide, review frequently cited standards that remain similar to their 2012 counterparts, and outline what to expect from the new standards, compliance language, and available resources.

For complete information on the workshop and to register, please visit the NAACLS website at www.naacls.org after **December 1**.

This NAACLS workshop is SEPARATE from the CLEC Program, and the workshop registration and payments are processed directly through NAACLS. NAACLS will provide a certificate of completion for P.A.C.E. credits as an approved provider of education in clinical laboratory science by the ASCLS P.A.C.E. program.



EDUCATIONAL SESSIONS PREVIEW

We invite you to explore the more than 40 educational opportunities you will experience at CLEC 2025. All educational sessions will be recorded, and registered attendees will have access to recordings for 30 days after the event. Each educational session is one contact hour of P.A.C.E.[®] credit, unless noted otherwise.

CONCURRENT SESSIONS

3D PRINTING: ENHANCING MEDICAL LABORATORY SCIENCE EDUCATION

SPEAKERS: Kara Ebisuya, MS, BB(ASCP)^{CM} University of Utah

Lacy Moss, PhD, MLS(ASCP)^{CM} University of Utah

Discover how 3D printing can revolutionize MLS education. Learn about 3D printers, printing materials, and modeling software. This presentation covers costs, resources, demonstrations, and examples of innovative uses of 3D printing in the MLS classroom and laboratory.

LEVEL OF INSTRUCTION: Basic

ACCESSIBILITY: BRIDGING THE GAP BETWEEN EDUCATION AND EMPLOYMENT

SPEAKERS: Lara Biagiotti, MS, MLS(ASCP)^{CM} Stevenson University

Lorraine Blagg, EdD, MLS(ASCP)SBB Johns Hopkins Hospital

Candice Grayson, MS, MLS(ASCP)^{CM} Community College of Baltimore County

Melody Rorabeck, MHA, MLS(ASCP)^{CM} Johns Hopkins Hospital

Explore current trends and accessibility needs for students, including a review of reasonable and unreasonable accommodations. This session will also review how to help students effectively advocate their needs to future employers.

LEVEL OF INSTRUCTION: Intermediate

ADJUSTING YOUR LEARNING STYLES LENS SUCCESSFULLY

SPEAKERS: Beverly Barham, PhD, MLS(ASCP) Illinois State University

Deborah Johnson, MS, MLS(ASCP)SM Illinois State University

As educators, our goal is student success, but at times student investment in the process seems like it is becoming more difficult. This session will look at preferred generational learning styles and discuss ways to meet them while staying on task in a content heavy curriculum.

LEVEL OF INSTRUCTION: Basic

ADVOCATE FOR SUCCESS: LEVERAGING DATA AND STRATEGY TO SECURE ESSENTIAL FACULTY RESOURCES

SPEAKERS: Robert Cottrell, MHS-PA(ASCP)

National Accrediting Agency for Clinical Laboratory Sciences

Marisa James, MA, MLS(ASCP)^{CM}

National Accrediting Agency for Clinical Laboratory Sciences

This session shares strategies to advocate for program resources using accreditation standards, faculty workload data, student satisfaction scores, and workforce statistics. Attendees will learn ways to address faculty overload and ensure program excellence without relying on student-to-faculty ratios.

LEVEL OF INSTRUCTION: Advanced

THE BENEFITS AND CHALLENGES OF GENERATIVE ARTIFICIAL INTELLIGENCE (GAI) WITHIN THE LABORATORY SCIENCES

SPEAKERS: Cliff Cymrot, DHSc, MLS(ASCP)^{CM} George Washington University

Marcia Firmani, PhD, MLS(ASCP)MB George Washington University

Graciela Lopez Gamboa, MD George Washington University

Carol Rentas, PhD, MLS(ASCP)SC,MB George Washington University

This presentation will emphasize the benefits and challenges of generative artificial intelligence (GAI) use in healthcare and academic settings. It will also discuss several strategies used to embrace GAI and minimize academic integrity risks.

LEVEL OF INSTRUCTION: Basic

BLENDED, NOT STIRRED: A BLENDED ESCAPE ROOM FOR MEDICAL LABORATORY SCIENCE EDUCATION

SPEAKERS: Ivory Simon-Okube, BHSc, MLS(ASCP) University of Kentucky

Christopher Swartz, PhD, MLS(ASCP) University of Kentucky

This presentation discloses the design and implementation of a blended escape room activity for undergraduate medical laboratory science students enrolled in a clinical immunology and serology class, and examines the impact of the activity on laboratory medicine education and student engagement.

LEVEL OF INSTRUCTION: Basic



BLOOD BANK INTERACTIVE CASE STUDY—A NEW WAY TO LEARN

SPEAKER: Janet Whitney, MEd, MLS(ASCP)^{CM}SBB

Mercy College of Health Sciences

A new format for case studies with an engagingly interactive format allows students to make decisions in complex blood banking situations while learning how each decision impacts testing. Cases are based on new and previously learned information and build confidence in making crucial decisions.

LEVEL OF INSTRUCTION: Intermediate

BUILDING A BRIDGE BETWEEN DIDACTIC KNOWLEDGE AND CLINICAL APPLICATION

SPEAKERS: Rachelle Barrett, MS, MLS(ASCP)SBB

Oregon Institute of Technology

Laurie Sprauer, MBA-HM, MLS(ASCP) Oregon Institute of Technology

This workshop-style session will walk you through building a simulated laboratory experience. First, by creating thought-provoking scenarios and sample sets that will challenge students' previously acquired knowledge and problem-solving skills. Second, by creating a beginning floor plan and schedule that is adaptable for attendees' resources and needs. And finally, by providing templates for giving constructive feedback to students during and after the experience.

LEVEL OF INSTRUCTION: Intermediate



BUILDING COMMUNITY AND BELONGING IN LABORATORY EDUCATION

SPEAKERS: Tami Alpaugh, PhD, MLS(ASCP)^{CM} University of Minnesota

Jennifer Brown, PhD, MLS(ASCP)^{CM} University of Minnesota

This presentation will focus on the holistic application of strategies and technology to prepare and engage students for courses, clinicals, and the workforce. Designs, templates, and resources for effective, inclusive online learning emphasizing cognitive load and mental health will be shared.

LEVEL OF INSTRUCTION: Basic

COMPETENCY-BASED PROGRAMS AND THEIR CLINICAL PARTNERS: PROVIDING MAXIMUM VALUE WITH LIMITED TIME

SPEAKERS: Karen Beck, EdD, MLS(ASCP)^{CM}

Community College of Baltimore County

Lara Biagiotti, MS, MLS(ASCP)^{CM} Stevenson University

Paula Mister, MS, SM(ASCP) Johns Hopkins Hospital

We will examine using the clinical rotation for tacit experiences, highlighting the importance of effective, open communication and trust in the clinical liaison-program relationship. This session will also highlight the development of the competency-based practicum to provide flexibility to our clinical sites while ensuring students receive the essential skills from their clinical experience. Benefits to both the institution and students, as well as ways to achieve these partnerships, will also be reviewed.

LEVEL OF INSTRUCTION: Intermediate

COMPREHENSIVE REVIEW STRATEGIES IN MLS EDUCATION: THE LAB REFRESHER, THE CLIN CHEM GAMES, AND WEEKLY COMP

SPEAKER: Cristy Moss, MBBS(MD), MLS(ASCP)^{CM} Andrews University

Students often struggle with conceptualizing how laboratory disciplines work together to aid in diagnosing and managing a patient. In this session we will explore several tools that can be used to integrate comprehensive review strategies into university-based programs, to avoid "silo" thinking.

LEVEL OF INSTRUCTION: Intermediate

CRAFTING THE IDEAL COURSE: ENGAGING STUDENTS WITH WISH, GIFT, AND GIFTED FEEDBACK

SPEAKERS: Elinette Albino, PhD, MLS(ASCP) University of Puerto Rico

Maria T. San Martin, EdD, MLS(ASCP) University of Puerto Rico

This session introduces WISH, GIFT, and GiftED methods for continuous feedback in course design. WISH gathers pre-course feedback on student expectations, GIFT collects mid-semester feedback on teaching effectiveness, and GiftED evaluates course outcomes with suggestions for improvement. Together, these methods enable real-time adjustments and ongoing enhancement of course quality.

LEVEL OF INSTRUCTION: Basic

DATING PROFILES, TWILIGHT, AND POKÉMON® CARDS: FUN AND UNIQUE WAYS TO FLIP THE MICROBIOLOGY CLASSROOM

SPEAKERS: Alexis Carpenter, PhD, MLS(ASCP)^{CM} University of Kansas

Andrew Jones, MBA, MLS(ASCP)^{CM} University of Kansas

In this session we will discuss how we have incorporated creative elements into our microbiology course to boost student engagement. A few examples we will discuss include student assignments in which they develop dating profiles and Pokémon cards for bacteria, a *Twilight* themed practical, and more!

LEVEL OF INSTRUCTION: Intermediate

EMPOWERING EDUCATORS: THE VITAL ROLE OF INSTRUCTORS IN COACHING STUDENTS

SPEAKER: Susan Stalewski, MBA, MLS(ASCP)^{CM}

University of Wisconsin Milwaukee

In today's ever-changing educational landscape, instructors' roles extend beyond traditional teaching. Educators serve as mentors, guides, and coaches, playing a crucial role in shaping students' academic success and personal development. This session equips higher education instructors with the skills, knowledge, and actionable insights to elevate their teaching practice.

LEVEL OF INSTRUCTION: Intermediate

EMPOWERING ENGLISH LANGUAGE LEARNERS: BRIDGING THE GAP TO PHLEBOTOMY CAREERS

SPEAKERS: Jennifer Gonzales, MLT(ASCP), CPT1 Saddleback College

Thy Nguyen, MS, MLS(ASCP)^{CM} CPI(NCCT) Saddleback College

We will discuss the rationale behind designing and implementing an integrated education training (IET) program as a fast track for English language learning (ELL) students to train in the phlebotomy career. Real-life classroom examples will be used to illustrate how this initiative is achieved.

LEVEL OF INSTRUCTION: Intermediate

EVALUATING THE AFFECTIVE DOMAIN WHILE DEVELOPING PROFESSIONALISM

SPEAKERS: Katie Bennett, PhD, MB(ASCP)^{CM}

Texas Tech University Health Sciences Center

Celesta Gibbs, MS, MB(ASCP)^{CM} Texas Tech University Health Sciences Center

Ericka Hendrix, PhD, MB(ASCP)^{CM}

Texas Tech University Health Sciences Center

Kelissa Huse, MS, MB(ASCP) Texas Tech University Health Sciences Center

This talk will describe and give examples of how programs can create measurable objectives for the affective domain and mold students into professionals. We will discuss the tools and systems used to evaluate the affective domain and effectively develop professionalism in students.

LEVEL OF INSTRUCTION: Basic

FOSTERING FUTURE INNOVATORS: LAUNCHING AN UNDERGRADUATE RESEARCH PROGRAM

SPEAKER: Jessica Brashear, DCLS, MLS(ASCP)^{CM}

Texas Tech University Health Sciences Center

In this presentation we will explore the steps taken to develop and implement our undergraduate research program, highlight the challenges and successes encountered along the way, and share the achievements of our student researchers.

LEVEL OF INSTRUCTION: Basic



HARNESSING THE POWER OF VIRTUAL PHLEBOTOMY TRAINING: BENEFITS AND CHALLENGES

SPEAKER: Lorena Roberts, MS, MLS(ASCP) St. Luke's Health System

Discover how one system standardized phlebotomy training through a virtual program. This initiative addresses geographic and logistical challenges by using interactive webinars and providing necessary supplies to remote locations. Learn about the key lessons, including AV checks, clear communication, and biennial site visits, ensuring effective and inclusive training for all staff.

LEVEL OF INSTRUCTION: Intermediate

INTERPROFESSIONAL EDUCATION: A LOOK AT IMPACTS AND OUTCOMES FROM NURSING AND LABORATORY COLLABORATION

SPEAKERS: Megan Ball, MLS(ASCP)^{CM} Western Dakota Technical College

Danielle Beaulieu, MSN, RN, CNE Western Dakota Technical College

Interprofessional education reduces medical errors, boosts resource efficiency, and fosters patient-centered care. Simulated experiences enhance communication, knowledge, and skills. Building these relationships during education ensures a smooth professional transition and improved patient outcomes.

LEVEL OF INSTRUCTION: Basic



IS MICROLEARNING IN YOUR CLINICAL LABORATORY EDUCATION FUTURE?

SPEAKERS: Wyenona Hicks, MS, MLS(ASCP)SBB

Paula Howard, MPH, MS, MLS(ASCP)SBB

Microlearning provides learners with bite-sized information in brief learning units or short-term activities. Benefits include increased student engagement and knowledge retention. This session will demonstrate this format in a blood banking curriculum.

LEVEL OF INSTRUCTION: Basic

LET'S MAKE A GAME OF IT: A GAMIFIED LEARNING APPROACH FOR EXAM PREP

SPEAKER: Amara Sugalski, MA, MLS(ASCP)^{CM} West Virginia University

Gamified learning (GL) is an evidence-based approach to course design utilizing elements of video game design to drive student engagement through student agency. The elements of GL design will be discussed for online and traditional courses, as well as our experiences using GL to improve engagement and exam outcomes.

LEVEL OF INSTRUCTION: Basic

LET'S WORK TOGETHER—PROVEN TIPS TO STRENGTHEN YOUR DEPARTMENTAL RELATIONSHIP WITH UNIVERSITY/COLLEGE ADMINISTRATION

SPEAKERS: Nathan Johnson, PhD, MLS(ASCP)DLM, SC, SLS

University of Arkansas for Medical Sciences

Susan Long, EdD University of Arkansas for Medical Sciences

This session will focus on specific ways to strengthen your department's relationship with university/college administration. The perspective of both the department and administration will be shared.

LEVEL OF INSTRUCTION: Basic

MICROBIOLOGY SIMULATION FOR BACTERIAL CULTURES

SPEAKER: Lori Duresko, MLS(ASCP) Mayo Clinic

How can students get repetition when microbiology cultures are now automated? This session will introduce ways to increase culture repetition in an easy way that can be done in a classroom or in a laboratory.

LEVEL OF INSTRUCTION: Intermediate

MLS SUMMER IMMERSION PROGRAM FOR HIGH SCHOOL AND COLLEGE STUDENTS

SPEAKERS: Amber Asghar, DCLS, MLS(ASCP)^{CM}

University of Texas Medical Branch

Sarah Burnett-Greenup, MS, MLS(ASCP)^{CM}

University of Texas Medical Branch

Muneeza Esani, PhD, MLS(ASCP) University of Texas Medical Branch

Niti Vyas, DCLS, MLS(ASCP)^{CM} University of Texas Medical Branch

Medical laboratory science is often referred to as the hidden profession that saves lives. Our MLS Summer Immersion Program was created to promote the MLS profession and get the next generation of students interested in this discipline. This session will focus on how to organize such a program and sustain it at your organization.

LEVEL OF INSTRUCTION: Intermediate

MOLECULAR DIAGNOSTICS UNLEASHED: INTEGRATING HYBRID LEARNING WITH INTENSIVE LABORATORY TRAINING

SPEAKER: Sarah Steinberg, MS, MLS(ASCP) Casper College

This presentation discusses how to incorporate and format a three-day hybrid lab for diagnostic molecular biology that keeps students engaged and enhances their learning.

LEVEL OF INSTRUCTION: Intermediate

PROGRAM DIRECTOR TRANSITIONS: FROM STARTUP TO RIDING THE WILD RIDE OF LEADERSHIP

SPEAKERS: Kizer Friedley, MBA, MLS(ASCP)^{CM}

University of Iowa and Kirkwood Community College

Amy Kapanka, MS, MLS(ASCP)SC Hawkeye Community College

Both MLT and MLS program director transitions will be presented in this session focusing on both new and seasoned program director positions. New program startup and challenges to established programs will be highlighted.

LEVEL OF INSTRUCTION: Intermediate

REIGNITING THE SPARK: STRATEGIES FOR ENGAGING DISENGAGED LEARNERS IN MEDICAL LABORATORY SCIENCES

SPEAKER: Ryan Collison, SC(ASCP)^{CM} Cleveland Clinic

This session will explore the reasons students become disengaged with classes and exhibit resistance to learning. We will talk about causes and the strategies we can employ to get students invested in their courses and studying with enthusiasm.

LEVEL OF INSTRUCTION: Basic

SPARKING CREATIVITY, AUTONOMY, AND ACTIVE LEARNING ENGAGEMENT THROUGH CHOICE BOARD ACTIVITIES

SPEAKER: Stephanie Cochrane, EdD, MLS(ASCP)^{CM} Rutgers University School of Health Professions

Functioning as a “menu” of activity options, choice boards personalize and create a love for lifelong learning by empowering students to take their learning and apply it in a way that feels the most interesting or meaningful to them. This session will provide examples, tips, and other practical resources for creating choice boards that spark creativity, nurture autonomy, and boost student engagement.

LEVEL OF INSTRUCTION: Basic



STUDENT MINI LAB ACCREDITATION INSPECTION: PROCESS AND OUTCOMES

SPEAKERS: **Lainie Chalk, MLS(ASCP)^{CM}** Eisenhower Medical Center

Jamie Stypinski, MBA, MLS(ASCP)^{CM} Eisenhower Health

Laboratory accreditation checklists and compliance are missing components of students' MLS education. Performing a mini lab accreditation inspection, students gain a comprehensive understanding of the rationale behind essential daily laboratory tasks, gaining insight into their MLS responsibilities.

LEVEL OF INSTRUCTION: Intermediate

SUCCESSFUL HYBRID DELIVERY AND MANAGEMENT OF A COLLABORATIVE STATEWIDE MLT PROGRAM

SPEAKER: **Leigh Belair, MEd, MLS(ASCP)** University of Maine at Presque Isle

This session will highlight a shared program's structure, operations, successes, and challenges, and provide ideas for others interested in collaborating on delivering a laboratory education program.

LEVEL OF INSTRUCTION: Basic

TRANSFORMING PROGRAMS THROUGH EDUCATOR COLLABORATION: HOW YOU CAN DO IT TOO

SPEAKERS: **Diane Ciancimino-Bordelon, MS, MLS(ASCP)**

Monmouth Medical Center

Ruth Perez, MS, MLS(ASCP)^{CM} Rutgers University

Marietta Tomlin, MS, MLS(ASCP)^{CM} The Valley Hospital

Collaboration among healthcare educators enhances teaching methods and student outcomes. This session highlights the impact of the New Jersey Education Scientific Assembly, offering strategies and tools to foster professional collaboration in MLS programs.

LEVEL OF INSTRUCTION: Basic

UNDERSTANDING FINANCIAL MODELING OF MEDICAL LABORATORY PROGRAMS

SPEAKERS: Hassan Aziz, PhD, MLS(ASCP)^{CM}

Texas A&M University-Corpus Christi

Peter Hu, PhD, MB(ASCP)

The University of Texas MD Anderson Cancer Center

Yasmen Simonian, PhD, MLS(ASCP)^{CM}, FACS, FASAHP

Weber State University

The viability of medical laboratory education programs has been questioned due to the apparent high operational cost, dropping enrollments, lack of faculty resources, budget cuts, changing external contexts, or other factors. Program officials must understand the financial-modeling capabilities to generate good information about their program costs and contributions. Information discussed at this presentation will be critical in creating sustainable enrollment and academic-program strategies that are consonant with their institutions' missions.

LEVEL OF INSTRUCTION: Intermediate

UNLOCKING THE POWER OF ALTERNATIVE GRADING: WHAT IS IT AND HOW CAN IT WORK FOR YOU?

SPEAKERS: Lauren Brooks, PhD, MLS(ASCP)^{CM} Nazareth University

Tracey Graney, PhD, MLS(ASCP) Monroe Community College

Join us to learn how alternative grading methods can mitigate biases and foster equity and inclusivity while empowering students to demonstrate mastery and meet the academic standards of our profession. We'll delve into the benefits of alternative grading within both MLT and MLS programs.

LEVEL OF INSTRUCTION: Intermediate

UTILIZATION OF A TEAM-BASED LEARNING APPROACH TO EXPAND STUDENT ENGAGEMENT IN THE CLASSROOM

SPEAKER: Stephanie Blackburn, EdD, MLS(ASCP)^{CM}

Louisiana State University Health Shreveport

Team-based learning incorporates student interaction in small groups, preparing them for a collaborative environment in health care. Utilization of this active learning approach is a successful alternative to the classic lecturing in the classroom.

LEVEL OF INSTRUCTION: Basic



PAIRED PRESENTATIONS

The following are 30-minute presentations that will be paired in a one-hour session focused on a specific topic, technique, or tool.

FAKE IT UNTIL THEY MAKE IT: CREATING SYNTHETIC SPECIMENS FOR STUDENT LABORATORY SESSIONS

SPEAKER: Maiya Picott, MS, MLS(ASCP)^{CM}

Virginia Commonwealth University

This session will cover various methods for creating samples that resemble clinical specimens. We'll discuss methods for creating artificial stool, urine, serum, wound, and genital samples for student laboratory sessions.

LEVEL OF INSTRUCTION: Intermediate

SIMULATED LABORATORY OUTREACH ACTIVITIES USING CLASSROOM-SAFE MATERIALS

SPEAKER: Omar Muñoz, EdD, MLS(ASCP)^{CM} University of Utah

In this session we will present several ideas for outreach activities that can be used to engage students in elementary school, junior high school, high school, and beyond. These activities utilize age-appropriate unfolding case studies to introduce students to medical laboratory sciences.

LEVEL OF INSTRUCTION: Basic

SIMULATION IN THE CLINICAL MICROBIOLOGY LAB—DESIGN, EXECUTION, AND EVALUATION

SPEAKER: Angela Wilson, MS, M(ASCP)^{CM} Old Dominion University

Clinical simulation may be the answer to clinical site shortages in microbiology, but is it right for your program? This session will review how to design, execute, and assess a clinical microbiology simulation that is most beneficial to students. Pros and cons of these simulations will also be discussed.

LEVEL OF INSTRUCTION: Intermediate

SO YOU THINK YOU CAN TEACH? EASING THE TRANSITION FROM PROFESSIONAL PRACTICE TO EDUCATION

SPEAKER: James Williams, PhD, MLS(AMT) St. Philip's College

This session is designed to help career laboratory professionals smooth their transition into academia. Learn key takeaways from the experience of one new educator's chaotic and tumultuous journey from the lab to the lecture hall.

LEVEL OF INSTRUCTION: Basic

SUPPORTING NEURODIVERSE STUDENTS FROM RECRUITMENT TO GRADUATION

SPEAKER: Leah Narans, MBA, MLS(ASCP) Madison Area Technical College

An increasing number of neurodiverse students are enrolling in college, but unfortunately many struggle in the traditional college structure. In this program, we'll explore strategies developed to implement Universal Design practices that support the success of our neurodiverse students, as well as many other non-traditional students.

LEVEL OF INSTRUCTION: Basic

TEACHING QUALITY CONTROL PRINCIPLES IN THE CLINICAL CHEMISTRY LAB

SPEAKER: Audrey Folsom, DHSc, MLS(ASCP) Arkansas State University

This session will cover how to include basic quality control exercises throughout your clinical chemistry labs, and how to implement several simple tweaks to your existing labs that will increase students' competence around QC principles. It will cover the implementation of these tweaks in our labs and what you need to make it happen in yours.

LEVEL OF INSTRUCTION: Intermediate

WHY WAIT? NOW IS THE TIME TO HELP OUR STUDENTS AVOID ACADEMIC PROCRASTINATION

SPEAKER: Brooke Solberg, PhD, MLS(ASCP)^{CM} University of North Dakota

We've all seen it—students waiting until the last minute to submit coursework. This session will explore academic procrastination, its impact on performance, and its correlations with essential professional skills. Strategies to help learners combat academic procrastination will also be discussed.

LEVEL OF INSTRUCTION: Basic



REGISTRATION RATES

	EARLY BIRD by 12/20/24	REGULAR by 2/14/25	ONSITE/LATE starts 2/15/25
ASCLS Professional Member	in-person \$765 virtual \$665	in-person \$825 virtual \$725	in-person \$885 virtual \$785
ASCLS Developing Professional and Ascending Professional Member	in-person \$695 virtual \$595	in-person \$725 virtual \$625	in-person \$785 virtual \$685
Non-Member	in-person \$965 virtual \$865	in-person \$1025 virtual \$925	in-person \$1085 virtual \$985
Guest	N/A	N/A	in-person \$200

Pre-Conference Workshop: \$110/ASCLS Member;
\$160/Non-Member. Available to in-person attendees only.

Should your circumstances change, and you want to change your registration from virtual to in-person, or vice versa, you can modify your registration at any time. Modifications from in-person to virtual attendance made before **February 14, 2025, will include the registration payment balance refunded. After February 14, no refunds will be issued.*

The member fees listed above are for persons holding current membership in the American Society for Clinical Laboratory Science (ASCLS). If you are not currently a member, join online at www.ascls.org/membership/join or call ASCLS at 301-450-2369.

IN-PERSON CLEC 2025 REGISTRATION

In-person registration includes access to all educational sessions, industry partner activities, all educational session recordings for 30 days following the event, reception on Thursday, lunch on Friday, and continental breakfast on Friday and Saturday. **Discounted early bird registration fees are only available through December 20, 2024.**

VIRTUAL CLEC 2024 REGISTRATION

Virtual registration includes access to all educational sessions, industry partner virtual activities, virtual networking events, and all educational session recordings for 30 days following the event. **Discounted early bird registration fees are only available through December 20, 2024.**

HOW TO REGISTER

Online Registration (Credit Card): Register online at ascls.org/CLEC. Click the Registration tab for online registration.

Register by Check or Purchase Order: Register online at ascls.org/CLEC and indicate you are paying by invoice. Include the invoice with your check.

Make checks payable to: ASCLS CLEC. Payment must accompany your registration invoice for your registration to be processed; mail check and invoice to the address on the invoice. If paying by purchase order, please include your purchase order number on the invoice. **NOTE: If payment is not received by February 14, your registration will be canceled. Invoices generated prior to December 20 will qualify for the early bird registration fee discount.** Invoices generated after this date will be processed at the regular registration rate.

For registration, membership, or other inquiries, contact the ASCLS office at **301-478-6379** or ascls@ascls.org.

HOTEL

Reserve your room at the Westin Peachtree Plaza. Visit www.ascls.org/CLEC and click on the CLEC Accommodations tab for more information.

Room Rate: \$219 per night (single), \$239 per night (double) + taxes and fees. Reserve your room by February 12, 2025, to receive the discounted rate. Reservations at these discounted rates should be made online at <https://book.passkey.com/e/50846207>.



CLIMATE, DRESS, AND DESTINATION

Atlanta is typically mild in March. The average high temperature is 66°F, and the average low is 45°F. You should pack a jacket, as it could be warm in the day and cool in the evenings. As always, layering your clothing works best to ensure you will be comfortable in the sessions as well as in the evenings around town.

CANCELLATIONS AND REFUNDS

If it becomes necessary for you to cancel your CLEC registration, please **notify ASCLS at ascls@ascls.org before February 14, 2025**. Your registration fee will be refunded to the original form of payment, less a \$75 processing fee. If needed, modifications from in-person to virtual attendance can be made up until February 14 with the balance refunded. If you must cancel after February 14, please find a substitute to send in your place, as no refunds will be issued after this date.

ACCESSABILITY

If you have a disability and require a reasonable accommodation to fully participate in this event, please **contact ASCLS before December 20, 2024**, by email at ascls@ascls.org or by telephone at 301-478-6379 to discuss your accessibility needs. Closed captioning will be available on the broadcast of educational sessions.

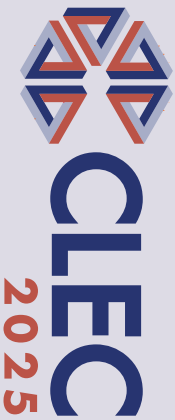
CODE OF CONDUCT

When registering for CLEC, attendees agree to adhere to the ASCLS Code of Conduct (ascls.org/conduct). This includes making health and safety a priority. COVID and other infectious diseases have the potential to evolve and cause disruptions to normal activities due to personal and public health concerns. ASCLS, first and foremost, has a responsibility to provide safe learning environments for its meeting attendees. As an association of and for healthcare professionals, attendees at our live, face-to-face meetings are expected to exercise sound and ethical professional judgment to protect the health of those around them, which includes proper vaccinations and other measures that limit the spread of infectious diseases like masking and social distancing. Those who are experiencing symptoms should not attend live sessions and should self-quarantine from other attendees.





P.O. Box 92
Dundee, MI 48131



**41st Annual
Clinical Laboratory
Educators Conference**

March 6-8, 2025

ascls.org/clec

**In-Person and Virtual
Registration Options
Available**