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OR VIRTUALLY**

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December 20 and **SAVE!**

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W E L C O M E



CLEC
2024



**40th Annual
Clinical Laboratory Educators Conference**

**Las Vegas, Nevada
February 22-24, 2024**



CLEC 2024

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 unique 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.

By attending CLEC, you will be able to 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 will 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 to 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.



CONTINUING EDUCATION CREDIT

CLEC provides a wide range of educational opportunities to meet your continuing education needs. The 2024 program offers about 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>.



Check the CLEC website for complete details as they become available. Read the eCLECtic blog for regular updates on new program developments and interesting opportunities for CLEC 2024. ascls.org/clec



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 flexibility to participate in CLEC in the format that best fits your preferences, you have the option to attend CLEC either in-person in Las Vegas 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—about 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 2024 will be held at the Westgate Las Vegas. 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 2024 Online Community: All registered attendees will be included in the CLEC 2024 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 Las Vegas. Get tips from long-time CLEC attendees about how to maximize your experience. And continue collaborating with the educators you meet after CLEC 2024 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 1, 2024**, will include the registration payment balance refunded. After February 1, no refunds will be issued.*



SCHEDULE-AT-A-GLANCE

All times in Pacific Time. Schedule subject to change.

THURSDAY, FEBRUARY 22

- 9:00 am – 11:30 am New Educator Workshop
- 11:30 am – 12:30 pm Networking, Industry Engagement
- 12:30 pm – 6:00 pm Opening Keynote, Educational Sessions, Industry Engagement, Networking
- 6:00 pm – 8:00 pm Reception with Industry Partners

FRIDAY, FEBRUARY 23

- 7:00 am – 5:00 pm Educational Sessions, Industry Engagement, Networking
- 5:00 pm – 6:00 pm Happy Hour

SATURDAY, FEBRUARY 24

- 7:30 am – 12:30 pm Clinical Laboratory Educators Forum Meeting and Breakfast, Educational Sessions, and Closing Keynote

FRIDAY EVENING—FREE NIGHT IN LAS VEGAS

Please join us for a happy hour immediately following the afternoon general session before you head out to experience Las Vegas. The Westgate Las Vegas Resort & Casino offers a stop along the Monorail for easy access to the rest of the excitement on the Las Vegas Strip. Or, if you prefer to stick around the resort, you'll find over a dozen restaurant options, free live entertainment in the International Bar, outdoor pools and cabanas, shopping, and more. Check the CLEC website for complete details as they become available (ascls.org/clec).





NEW EDUCATOR WORKSHOP

THURSDAY, FEBRUARY 22

9:00 am – 11:30 am Pacific 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 transition into teaching roles and support their professional development.

This year's workshop will help you detect or improve those "problem" spots in your teaching practice. Acquire resources and learn to develop a simple plan to establish a self-reflective process for assessing and improving your teaching in a rewarding, not burdensome, way.

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

SPEAKER: Rachel Morris, PhD, MLT(ASCP)^{CM}

Biomedical Laboratory Diagnostics Program, Michigan State University

LEVEL OF INSTRUCTION: Basic

*Additional registration required and **available to in-person attendees only.***

Cost: \$75 for ASCLS members/\$95 for non-members. Participants can earn 2.0 hours of P.A.C.E.[®] credit



INDUSTRY PARTNER ENGAGEMENT AND EXHIBITS

THURSDAY, FEBRUARY 22, 11:30 am – FRIDAY, FEBRUARY 23, 2:00 pm Pacific Time

Opportunities to engage with industry partners are integrated throughout CLEC, both in-person and virtually. Industry partners are full registrants and encouraged to participate in all aspects of the conference, including educational sessions and social events. In addition to table-top displays throughout the meeting space, partners may present Commercial Symposia to highlight products and services provided by companies and organizations. These sessions are streamed live and recorded for attendees who wish to view them later. And through the CLEC app, you can connect with exhibitors and schedule personal appointments for one-on-one conversations and demonstrations.





NAACLS WORKSHOP

THURSDAY, FEBRUARY 22
7:00 am – 12:00 pm Pacific Time

The National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) will present the following hybrid workshop, “**Mastering the Art of the Site Visit**,” on Thursday, February 22, 2024, from 7:00 am – 12:00 pm Pacific, at the Westgate Las Vegas Resort & Casino.

Site visits are a critical component of the accreditation process for laboratory educational programs. In this workshop, you will explore strategies to help you successfully navigate the accreditation experience, understand how to best represent your program during a site visit, and recognize commonly cited standards to avoid citations. Presenters will walk you through the preparation, planning, and hosting of the site visit to ensure a smooth accreditation process and help you demonstrate an ongoing commitment to quality and continuous improvement in your program.

SPEAKERS: Eric Elsinghorst, MPH, PhD, MLS(ASCP)^{CM}, MB(ASCP)^{CM}
Program Director, Medical Laboratory Science and Diagnostic Molecular Science, University of Kansas Medical Center
NAACLS Review Committee for Accreditation Committee (RCAP) Member

Phyllis Ingham, EdD, MEd, MLS(ASCP)^{CM}, AHI(AMT)
Program Director, Medical Laboratory Technology, West Georgia Technical College
NAACLS Program Accreditation Review Committee (PARC) Vice Chair

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 2024. 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

THE 4Cs OF CLINICAL READINESS: CRITICAL THINKING, COMMUNICATION, CULTURAL HUMILITY, AND CORE COMPETENCIES

SPEAKER: Joanna Howard Ellis, MS, MLS(ASCP)^{CM}, CHWI

Texas State University

This session describes a holistic approach to clinical readiness, which includes critical thinking exercises, social determinants of health, health disparities, communicating and acting with cultural humility, and the Student Laboratory Assessment Plan competency assessments (lovingly called SLAPs).

LEVEL OF INSTRUCTION: Intermediate

ADAPTING TO CURRENT STUDENT RECRUITMENT TRENDS

SPEAKERS: Julie Huynh, MPH, MLS(ASCP)^{CM} Loyola University Chicago

Kamran Mirza, MD, PhD, FASCP, MLS(ASCP)

Michigan Medicine (University of Michigan)

Kristen Pesavento, EdD, MLS(ASCP)^{CM} Loyola University Chicago

COVID-19 has impacted the way we communicate and engage with prospective students. This session focuses on the importance of adapting new methods and strategies to engage student interest. Discussion of recruitment deliveries, flexibility, and marketing tactics to engage potential students will be included.

LEVEL OF INSTRUCTION: Basic

AI IN MEDICAL LABORATORY SCIENCES

SPEAKERS: Rasha Abu-El-Ruz, MSc, MPH, M(ASCP), CSMLS, cMLT(MLPAO)

Qatar University

Maha Al-Asmakh, MSc, PhD, CTgyn(ASCP)^{iCM} Qatar University

Artificial intelligence (AI) has the potential to transform teaching and learning practices. However, rapid technological developments inevitably bring multiple risks and challenges. This session will highlight applications, methods, and tools of AI in modern laboratory medicine and education. Challenges in AI regarding academic integrity will also be discussed.

LEVEL OF INSTRUCTION: Intermediate

BREAKING DOWN THE CLASSROOM WALLS TO ONLINE MLS EDUCATION: ESTABLISHING EFFECTIVE TEACHER AND SOCIAL PRESENCE

SPEAKER: Demetra Castillo, MAdEd, MLS(ASCP)^{CM}, AHI(AMT)

University of Cincinnati

Transitioning from classroom to online teaching has its benefits, but also it has challenges in establishing teacher and social presence. This session will present a roadmap of establishing teacher and social presence along with strategies for educators to increase their effectiveness online.

LEVEL OF INSTRUCTION: Intermediate

BUILDING A LONG-TERM PIPELINE OF MEDICAL LABORATORY TALENT

SPEAKERS: Gary Stocker, DM, MLS(ASCP) MLS2030

Alese Thompson, MS, MLS(ASCP)^{CM} University of Missouri

Have you ever wanted to know how to recruit talented students in your region, but you weren't quite sure where to start the process? In this session, we will describe the model and show the systems and processes to build a long-term pipeline of students from 6th-12th grade and college students.

LEVEL OF INSTRUCTION: Intermediate

COMPETING WITH YOUR LOCAL HOSPITAL FOR STUDENTS

SPEAKER: Maribeth Flaws, PhD, MLS(ASCP)^{CM} Rush University

With some hospitals hiring non-certified individuals for laboratory positions, programs may be struggling to maintain their viability. This session will discuss ways to address this, including demonstrating your value to your clinical sites by providing education to their non-certified employees.

LEVEL OF INSTRUCTION: Intermediate

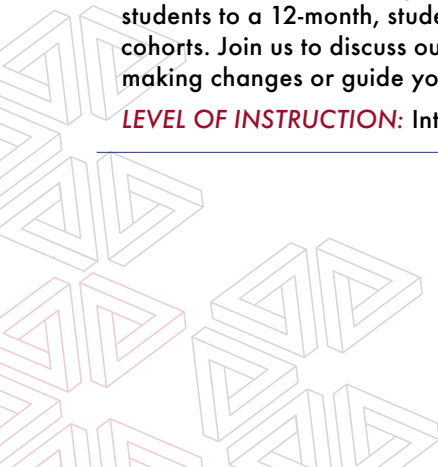
CONVERTING FROM A ROTATION-BASED TO A STUDENT LAB-BASED HOSPITAL MLS PROGRAM: POSITIVES, PITFALLS, AND PROGRESS

SPEAKER: Allegra McMillen, MEd, MLS(ASCP)^{CM}

Parkview Medical Laboratory Science Program, Parkview Health

In mere months, we changed from an 11-month, rotation-based program for nine students to a 12-month, student lab-based program for 20 students over two cohorts. Join us to discuss our rapid conversion process, which may assist you in making changes or guide you around potential pitfalls best avoided.

LEVEL OF INSTRUCTION: Intermediate



DEFINING SUCCESS IN THE MEDICAL LABORATORY SCIENCE CAREER LADDER

SPEAKERS: Kasey Edwardson, PhD, MLS(ASCP)^{CM}

University of Kansas Medical Center

Renee Hodgkins, PhD, MLS(ASCP) University of Kansas Medical Center

This session will discuss different definitions of success in medical laboratory education. We will explore if our definition of success impacts our approach to admissions, education, and how we prepare graduates for the laboratory career ladder.

LEVEL OF INSTRUCTION: Basic

DEVELOPING EDUCATIONAL RESOURCES TO INCREASE CLINICAL PRECEPTOR EFFECTIVENESS

SPEAKERS: Karen Barron, MLS(ASCP) University of Michigan

Marian Cabaj, MEd, MLS(ASCP)^{CM} Eastern Michigan University

Teresa Mortier, PhD, MLS(ASCP) Eastern Michigan University

Lynne Shetron-Rama, PhD, MLS(ASCP) Eastern Michigan University

This session will explore the challenges that clinical preceptors from a local internship site experienced in the areas of handling student communications, practical teaching skills, proper learning strategies, and student assessment. A description of preceptors' training modules is included.

LEVEL OF INSTRUCTION: Intermediate

EXPANDING THE ROLE OF ADVISORY BOARDS

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}, FASAHP Weber State University

All programs are required to maintain an advisory board to meet accreditation standards. Most programs do not engage advisory boards as key components of successful development programs or to build the capacity to secure transformational gifts. This session will demonstrate additional ways to leverage advisory boards.

LEVEL OF INSTRUCTION: Intermediate

FIRST YEAR EXPERIENCE IN THE TRANSITION FROM MEDICAL LABORATORY SCIENTIST TO ASSISTANT PROFESSOR

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

With experienced educators in short supply, creativity in recruiting medical laboratory professionals to academia is needed. This session includes first-hand experiences with this transition, a comparison of teaching at the bench to teaching in the classroom, and illustrates the benefits of a mid-career transition to the educational workforce.

LEVEL OF INSTRUCTION: Basic

FROM TRAINER TO TEACHER: SUPPORTING A SUCCESSFUL TRANSITION

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

Barbara Zingale, MSIT, MLS(ASCP)^{CM} Cleveland Clinic

The transition from being a good trainer to a great educator can be daunting. This presentation will provide challenges in that transition; our strategies used to make strong, independent faculty; and the resources we have used to develop them while teaching in a hospital-based MLS program.

LEVEL OF INSTRUCTION: Intermediate

HOW WE OPENED UP THE MICRO CLINICAL BOTTLENECK

SPEAKERS: **Louise Ferrell, MLS(ASCP)**

Sonora Quest Laboratories/Laboratory Sciences of Arizona

Rebecca Honda, MLS(ASCP)

Sonora Quest Laboratories/Laboratory Sciences of Arizona

Everyone hunts for clinical slots for microbiology rotations for their students. We had a micro bottleneck, which limited our overall capacity. Our solution may not be yours—let's share solutions that might work for you.

LEVEL OF INSTRUCTION: Basic

IMPLEMENTING REASONABLE ACCOMMODATIONS IN AN MLS PROGRAM

SPEAKERS: **Janice Conway-Klaassen, PhD, MLS(ASCP)SM, FACS_c**

University of Minnesota

Christine Maleck, MS, MLS(ASCP)

University of Minnesota

Programs are encountering many more students with disability accommodation needs. This session will review accommodations we received, and how we managed them, while maintaining the unique requirements of laboratory science program education.

LEVEL OF INSTRUCTION: Intermediate

INCORPORATING INTERPROFESSIONAL EDUCATION AND COLLABORATION INTO THE LABORATORY CURRICULUM

SPEAKERS: **Katie Cavnar, MS, MLS(ASCP)** University of West Florida

Andrea Nelson, DPT, GCS Emeritus University of West Florida

Interprofessional Education (IPE) occurs when students or members of two or more health professions learn about, and from, each other to improve patient care. The objective of this presentation is to discuss the process of initiating IPE within your institution.

LEVEL OF INSTRUCTION: Basic

INNOVATIVE TEACHING STRATEGIES THAT INSPIRE CREATIVITY AND CRITICAL THINKING

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

Oregon Institute of Technology

Caroline Doty, MS, MLS(ASCP)

Oregon Health and Science University and Oregon Institute of Technology

Laurie Sprauer, MBA-HM, MLS(ASCP)

Oregon Institute of Technology

Dawn Taylor, EdM, MLS(ASCP) Oregon Institute of Technology

In this session, we will look at innovative teaching strategies to encourage student creativity and critical thinking skills. We will share methods to engage students in their learning through cost-effective, hands-on activities.

LEVEL OF INSTRUCTION: Intermediate



INTEGRATING GENERATIVE ARTIFICIAL INTELLIGENCE INTO THE CLASSROOM

SPEAKER: **Kyle Riding, PhD, MLS(ASCP)^{CM}** University of Central Florida

Generative artificial intelligence (AI) platforms have gained notoriety for concerns related to academic integrity. While these concerns are well-founded, it is important our community discuss opportunities and collaboratively identify ways AI can be integrated into the MLS classroom.

LEVEL OF INSTRUCTION: Intermediate

REINVENTING THE BLOOD BANK STUDENT LABORATORY

SPEAKERS: **Cordelia Kudika, MHA, CHS(ACHI)**

University of Texas Health San Antonio

Terri Murphy-Sanchez, MS, MLS(ASCP)^{CM}

University of Texas Health San Antonio

Tiffany Wafford, MSTM, SBB(ASCP) University of Texas Health San Antonio

With limited rigorous blood bank clinical sites, enhancing the student laboratory with simulated patient cases is essential to provide students with relevant blood bank experience. This session will describe developing simulated patient cases with a focus on compatibility, transfusion reactions.

LEVEL OF INSTRUCTION: Intermediate



SHIFTS IN STUDENTS' NEEDS: TIME TO RECALIBRATE THE CURRICULUM

SPEAKERS: **Yon Choi-Gomes, MAEd, MLS(ASCP)** St. John's University

Robina Colclough-Davy, MS, MLS(ASCP)^{CM} St. John's University

With a program that has existed for over 60 years, the curriculum needed a redesign. Through feedback mechanisms from our students, alumni, and clinical preceptors, we were able to recognize our deficiencies and contemporize our program.

LEVEL OF INSTRUCTION: Intermediate

SIMULATION: REDUCING THE BURDEN ON CLINICAL AFFILIATES

SPEAKERS: **Nicole Dutton, PhD, M(ASCP)** Gateway Technical College

Micheal Randolph, EdD, RMA(AMT) Gateway Technical College

Area clinical laboratories have a limited ability to place students for clinical rotations. In this presentation, we describe the development and implementation of a simulation laboratory that replaces nearly 50 percent of the clinical experience, reducing the burden on our clinical affiliates.

LEVEL OF INSTRUCTION: Intermediate

STEP RIGHT UP: IDEAS AND INNOVATIONS IN RECRUITMENT

SPEAKERS: **Margaret Alba, DOM, MLS(ASCP)^{CM}, BB(ASCP)**

University of New Mexico

Julia Allen, MS, MLS(ASCP)^{CM} University of New Mexico

Join us to learn new ways to create effective recruiting material for all ages in various settings, taking you from carnival barker to instructor. We will also share creative ways to use MLS and MLT students to promote the profession and tips on passing the recruiting torch to new faculty.

LEVEL OF INSTRUCTION: Basic

THE STUDENT TOOLBOX: CLASSROOM STRATEGIES TO ENHANCE STUDENTS' STUDY SKILLS, EXAM PREPARATION, AND SELF-REFLECTION

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

Rutgers University School of Health Professions

With the goal of developing life-long learners, this session will provide tips and strategies to improve students' study skills. From a pedagogical standpoint, emphasis will be placed on enhancing students' use of effective study strategies.

LEVEL OF INSTRUCTION: Intermediate

TEACHING STRATEGIES AND METHODS OF DELIVERY FOR CLS COURSES ACROSS ALL ACADEMIC LEVELS

SPEAKERS: Rajkumar Rajendran, DCLS, MLS(ASCP)

University of Texas Medical Branch at Galveston

Juan Ulises Rojo, PhD, MLS(ASCP)MB

University of Texas Medical Branch at Galveston

Niti Vyas, DCLS, MLS(ASCP)^{CM}

University of Texas Medical Branch at Galveston

Our institution offers bachelor's, master's, and doctorate degrees in clinical laboratory sciences in presential and remote modalities. These different academic levels and classroom modalities present various challenges in delivering and assessing CLS course materials. We'll discuss these challenges and some of the ways we address them.

LEVEL OF INSTRUCTION: Basic

THIS WAS MY FAVORITE LAB! AND IT'S ABOUT QUALITY ASSURANCE?

SPEAKERS: Michelle Markstrom, H(ASCP) Michigan State University

Angela Wholehan, MS, MLS(ASCP), SBB Michigan State University

Quality assurance is notoriously considered rather dull and abstract for students who have not yet experienced a clinical laboratory setting. Through use of an interactive case study, we created an effective learning experience that was not only informative, but also highly enjoyable.

LEVEL OF INSTRUCTION: Basic



TIME FOR A TUNE UP?

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

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

Meridee Van Draska, MHA, MLS(ASCP) Illinois State University

Kathryn Webster, MS, MLS(ASCP) Illinois State University

As medical laboratory professionals, we know that quality assurance is important for continued success. Taking a step back and investigating our traditional program delivery helped identify areas that were working efficiently and others that needed improvement.

LEVEL OF INSTRUCTION: Intermediate

TIPS FOR THE NOVICE RESEARCHER: LESSONS LEARNED

SPEAKERS: **Kevin McGuire, MHPTT, MLS(ASCP)^{CM}**

University of Nebraska Medical Center

Kaylyn Rogers, MHPTT, MLS(ASCP) University of Nebraska Medical Center

The presenters will discuss lessons learned in their first educational research project. Items covered will include selecting a topic; IRB submission; collaboration; choosing a journal; and writing, submitting, and revising the manuscript.

LEVEL OF INSTRUCTION: Basic

THE UPS AND DOWNS OF PROGRAM DIRECTORSHIP

SPEAKER: **Matthew Schoell, PhD, MLS(ASCP)^{CM}** Nazareth University

Come hear vignettes from an MLS program director with a decade of experience. Participants will select topics to explore, co-creating this choose-your-own-adventure-style session. Topics will include accreditation, challenging student scenarios, and leveraging grant support.

LEVEL OF INSTRUCTION: Basic

WHEN VIRTUAL REALITY BECOMES REALITY: NAVIGATING THE PAST, PRESENT, AND FUTURE OF VIRTUAL REALITY AND ARTIFICIAL INTELLIGENCE

SPEAKERS: **Kassi Erickson, EdD, MLS(ASCP)^{CM}** South Dakota State University

April Nelsen, PhD, MLS(ASCP) South Dakota State University

This session will provide attendees an opportunity to try out the technological future of education through hands-on virtual reality (VR) and AI situations. Advantages and disadvantages of VR and AI will be discussed, as well as how the technologies can be used in the classroom or behind your desk.

LEVEL OF INSTRUCTION: Intermediate

PAIRED PRESENTATIONS

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

FOCUS ON AI

ELEVATING EDUCATION: HARNESSING CHATGPT FOR MLS EDUCATORS AND PROGRAM DIRECTORS

SPEAKER: Nadine Lerret, PhD, MLS(ASCP)^{CM} Rush University

This session will share ways that ChatGPT can be utilized for efficiency and collaboration among educators in our field, while also highlighting the limitations of this tool.

LEVEL OF INSTRUCTION: Basic

EMBRACING THE FUTURE: HOW STUDENTS HARNESS AI FOR ENHANCED LEARNING IN CLINICAL LABORATORY SCIENCES

SPEAKER: Eve Brunson, MS, MLS(ASCP)SBB Qmedix, Inc.

Let's explore how students are leveraging the use of artificial intelligence (AI) to complete course assignments. A description of AI-powered tools and ethical use of AI will provide faculty opportunities to enlist AI as a partner in enhancing student learning outcomes.

LEVEL OF INSTRUCTION: Basic



FOCUS ON LEARNING TOOLS

BRINGING HEMOSTASIS TO LIFE: HANDS-ON MODELING OF COAGULATION

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

Come learn about a hands-on model for introducing and reinforcing the concepts of hemostasis. Bring to your classroom a new way to engage students with primary hemostasis and the coagulation cascade, including modeling coagulation testing and evaluating results based on various patient pathologies.

LEVEL OF INSTRUCTION: Intermediate

STAND UP AND STEP UP: MOTIVATING STUDENTS TO STUDY THROUGH THE TABLE-TOP QUIZ AND MINI EXAM

SPEAKER: Margot Alvey, MS, MLS(ASCP)^{CM} Saginaw Valley State University

External motivators are often necessary to enhance students' study habits. Attend this session to learn about two unique assessment tools—the table-top quiz and the mini exam—and how they can lead to improved study habits, student confidence, and exam performance in your didactic courses.

LEVEL OF INSTRUCTION: Basic

FOCUS ON RECRUITMENT

INCREASING MLT RECRUITMENT WITH AN MLA BRIDGE PROGRAM

SPEAKER: Perla Gilman, MS, MLS(ASCP)^{CM} Bunker Hill Community College

This session will highlight how implementing a medical laboratory assistant (MLA) program can both increase the laboratory workforce and provide a recruitment opportunity for MLT programs.

LEVEL OF INSTRUCTION: Intermediate

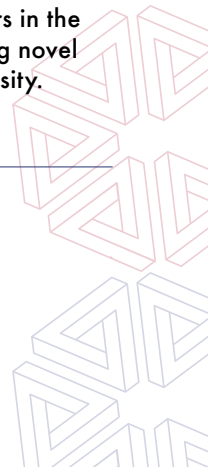
THE SHORTEST DISTANCE BETWEEN TWO POINTS IS NOT ALWAYS A STRAIGHT LINE: A PLAN FOR ENHANCING DIVERSE PERSPECTIVES

SPEAKER: Esther Biswas-Fiss, PhD, MB(ASCP)^{CM}

University of Delaware, Department of Medical and Molecular Sciences

This session examines factors that can serve as barriers to pursuing careers in the clinical laboratory sciences and how these barriers can be overcome using novel integrated pipeline and scaffolding approaches, thereby facilitating diversity.

LEVEL OF INSTRUCTION: Intermediate



FOCUS ON STUDENT ENGAGEMENT

“SELFIES, SCAVENGER HUNTS, AND SUPERHEROES” OR INCREASING STUDENT ENGAGEMENT THROUGH CREATIVE LEARNING STRATEGIES

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

This session describes the benefits of integrating creativity projects into the intensive MLT and MLS curriculum. The integration of these projects to promote student engagement and motivation will be demonstrated. Students’ creativity projects will be clarified and illustrated.

LEVEL OF INSTRUCTION: Intermediate

ESCAPE FROM THE TOX LAB: A CLINICAL TOXICOLOGY ESCAPE ROOM

SPEAKER: Christopher Swartz, PhD, MLS(ASCP)

University of Kentucky College of Health Sciences

This presentation describes the design and implementation of a clinical toxicology escape room activity for MLS students. It will also disclose data about the impact of the activity on toxicology education and student engagement.

LEVEL OF INSTRUCTION: Basic

FOCUS ON STUDENTS

COUNSELING MLS STUDENTS FOR ACADEMIC SUCCESS AND CAREER GUIDANCE

SPEAKER: Tammy Carter, PhD, MLS(ASCP)

Texas Tech University Health Sciences Center

The goal of all laboratory programs is to produce excellent scientists and prepare them for certification and employment. An academic advising format for monitoring student success will be presented, as well as proposed academic counseling requirements and suggestions for career guidance.

LEVEL OF INSTRUCTION: Basic

DO I KNOW YOU? WRITING A REFERENCE FOR A STUDENT SCHOLARSHIP APPLICATION

SPEAKER: Rebecca Bird, MAS, MLS(ASCP)

University of Arkansas for Medical Sciences

Faculty are frequently requested to write reference letters for students who barely participate in class or who are only known through an online course. This session will provide a plan, tools, and templates to create quick and effective references for your students applying for scholarships.

LEVEL OF INSTRUCTION: Basic

FOCUS ON SUSTAINABILITY**COUNSELING MLS STUDENTS FOR ACADEMIC SUCCESS AND CAREER GUIDANCE****SPEAKER: Stacy Pond, MS, MLS(ASCP)^{CM}**

Guthrie Robert Packer Hospital

This session is intended for individuals wearing multiple hats in their current role. The presentation will include tips for managing the different aspects of a program and not getting overwhelmed.

LEVEL OF INSTRUCTION: Basic**TIPS FOR EDUCATOR SUSTAINABILITY****SPEAKER: Kristen Pesavento, EdD, MLS(ASCP)^{CM}**

Loyola University Chicago

The role and expectations placed on educators by students and administration are no longer confined to the classroom. Navigating the psychosocial and emotional needs of students can contribute to educator burnout. This session will focus on strategies we can implement to help mitigate this stress.

LEVEL OF INSTRUCTION: Basic

ADDITIONAL SESSIONS

The following sessions will be offered during CLEC 2024; they are not available for P.A.C.E.® credit.

A CLOSER LOOK AT THE ASCP BOC: FOCUS ON VALUE

SPEAKERS: Susan Graham, MS, MLS(ASCP)SH^{CM}

State University of New York Upstate Medical University

Joan Polancic, MEd, MLS(ASCP)^{CM}

Denver Health Medical Lab Science and Phlebotomy Schools

Amy Spiczka, MS, HTL(ASCP)^{CM}, SCT, MB^{CM}, CPHQ

ASCP Board of Certification

Discover tools used by the ASCP Board of Certification (BOC) to elevate its status as the gold standard in the credentialing of laboratory professionals. Included is the development and maintenance of a BOC examination, examples of operations excellence, and valuable resources for program directors.

LEVEL OF INSTRUCTION: Advanced

CREATING AND DELIVERING QUALITY LABORATORY TRAINING

SPEAKERS: Rovonda Bradford, EdD, CPT

Centers for Disease Control and Prevention

Blanche Collins, PhD, MCHES Centers for Disease Control and Prevention

Isaiah Hurtado, MS, CHES Centers for Disease Control and Prevention

Sean Waters

Division of Laboratory Sciences, Centers for Disease Control and Prevention

Join us to learn about a CDC Training and Workforce Development Branch-delivered program to train laboratory instructors on how to deliver more engaging and effective training, and how artificial intelligence can be used to produce and update bite-sized, on-demand training videos.

LEVEL OF INSTRUCTION: Basic

EMPOWERING EXCELLENCE: NURTURING NAACLS VOLUNTEERS FOR EDUCATIONAL IMPACT

SPEAKERS: Keri Brophy-Martinez, MHA/ED, MLS(ASCP)

Austin Community College

Phyllis Ingham, EdD, MLS(ASCP)^{CM} West Georgia Technical College

This session highlights NAACLS volunteers' pivotal role in advancing lab education. We will decode the Compliance Guide and arm volunteers with skills to interpret, apply, and enrich their role as reviewers. Participants will discover strategies and cultivate collaboration to strengthen the NAACLS community.

LEVEL OF INSTRUCTION: Intermediate



REGISTRATION RATES

	EARLY BIRD by 12/20/23	REGULAR by 2/1/24	ONSITE/LATE starts 2/21/24
ASCLS Professional Member	in-person \$695 virtual \$595	in-person \$745 virtual \$645	in-person \$795 virtual \$695
ASCLS Developing Professional and Ascending Professional Member	in-person \$595 virtual \$495	in-person \$645 virtual \$545	in-person \$695 virtual \$595
Non-Member	in-person \$855 virtual \$755	in-person \$895 virtual \$795	in-person \$945 virtual \$845
Guest	N/A	N/A	in-person \$200

Pre-Conference Workshop: \$75/ASCLS Member; \$95/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 1, 2024, will include the registration payment balance refunded. After February 1, 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 ascls.org/join or submit a paper membership application and dues payment with your paper CLEC registration by mail to receive the member discount on your registration fee. For a membership application, call ASCLS at 571-748-3770 or download the form at ascls.org/join.

IN-PERSON CLEC 2024 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, continental breakfast on Friday and Saturday, and a happy hour on Friday. **Discounted early bird registration fees are only available through December 20, 2023.**

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, 2023.**

HOW TO REGISTER

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

Register by Mail (Check or Purchase Order): Download the registration form at ascls.org/clec-registration

Make checks payable to: ASCLS CLEC. Payment must accompany your registration form for your registration to be processed. If paying by purchase order, please include your purchase order number on the registration form. **NOTE: If purchase order payment is not received prior to the start of the conference, payment via check or credit card will be collected onsite or registration will not be honored. Mailed registrations postmarked by December 20 will qualify for the early bird registration fee discount.** Registrations postmarked after this date will be processed at the regular registration rate.

Mail your completed registration form and payment to the mailing address indicated on the form.

For registration, membership, or other inquiries, contact the ASCLS office at **571-748-3770** or ascls@ascls.org.

HOTEL

Reserve your room at the Westgate Las Vegas. Visit ascls.org/CLEC and click on the CLEC Accommodations tab for more information.

ROOM RATE: \$186 per night (single/double, includes the resort fee) + taxes and fees. Reserve your room by February 1, 2024, to receive the discounted rate. Reservations can be made online at <https://book.passkey.com/e/50545220>.

CLIMATE, DRESS, AND DESTINATION

Las Vegas has cool weather in February with highs in the upper-60s, lows in the 30s. Due to its location in the desert, Las Vegas has a very dry climate with low humidity levels and very little rain. You should pack some warmer pieces of clothing for when the sun goes down and the temperature drops. 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 in writing before December 20, 2023**. Your registration fee will be refunded, less a \$75 processing fee. Written cancellations/requests for refunds must include registrant's name, signature, return address, and the name of the person, company, or institution to which the refund check should be made payable. If you must cancel after February 1, please find a substitute to send in your place, as no refunds will be issued after this date.

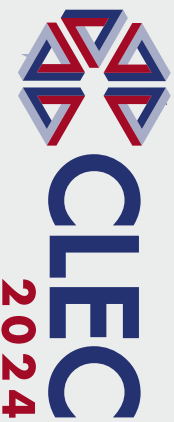
ACCESSABILITY

If you have a disability and require a reasonable accommodation to fully participate in this event, please **contact ASCLS before December 20, 2023**, by email at ascls@ascls.org or by telephone at **571-748-3770** to discuss your accessibility needs. Closed captioning will be available on the broadcast of educational sessions.





11107 Sunset Hills Road, Suite 100
Reston, VA 20190-5376



**40th Annual
Clinical Laboratory
Educators Conference**

Las Vegas, Nevada
February 22-24, 2024

ascls.org/clec

*Attend In-Person
or Virtually*