



# 34<sup>TH</sup> ANNUAL CLINICAL LABORATORY EDUCATORS' CONFERENCE



HOUSTON, TEXAS | FEBRUARY 22-24, 2018



# CLEC 2018

The Clinical Laboratory Educators' Conference (CLEC) is the most important annual event for faculty, administrators, directors, advisors and others in medical laboratory education. By attending CLEC, you will be able to identify new trends in laboratory education, learn about new innovative teaching techniques, manage changes to curricula and so much more.

This conference presents opportunities to explore the state of education today, beyond our classrooms, our campuses, and our regions, as well as the future of our profession. Faculty at the forefront of medical laboratory education will present a wide range of timely topics that will provide you with the knowledge and skills required to meet the challenges that come with these opportunities. The conference program offers a wide variety of substantive educational sessions from which to choose. See the Conference Schedule that begins on page 4 for details.

## 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.

## FRIDAY EVENING EVENTS

Please join us for happy hour immediately following the afternoon general session before heading out on the town for the evening. You may choose one of the events listed below or venture out on your own. We will be adding additional ideas for you to consider as we near the conference.

[Registration for either option ends January 12, 2018.](#)

**Houston Rodeo BBQ Contest** — The Houston Livestock Show and Rodeo is an annual event that spans three weeks and includes concerts, BBQ contests, livestock and horse shows, rodeos and family activities. CLEC is fortunate to be in Houston the first weekend that hosts the annual BBQ Cookoff on Friday evening. We have arranged for buses to depart from the hotel to take you to the rodeo grounds where you can enjoy the live music in the Garden and the Rockin' Bar B Que Saloon and pick up your complimentary beef sandwich and sides in the Chuck Wagon. Tickets for the BBQ Contest are \$30 per adult (includes roundtrip transportation); drink tickets may be purchased on the rodeo grounds for \$2 each. Busses will return you to the hotel (varied departure times arranged for your convenience.) *To purchase tickets for this event, please choose this option when registering. Space is limited.*

**Dinner at Maggiano's** — Reservations have been made at Maggiano's at the Galleria (adjacent to the Royal Sonesta hotel). Limited seating is available for the 3-course family style meal (\$35 per person) for you to enjoy with your friends and colleagues. *Please choose this option when registering to ensure availability.*

## NEW THIS YEAR!

### Body of Knowledge (BOK) Meeting

*Thursday, February 22, 8:00 am–10:00 am*

The BOK Committee is hosting a meeting that is open to all attendees. The proposed updates to the BOK will be previewed and discussed.

### CLEC Commercial Symposia

*Thursday, February 22, 9:00 am–11:00 am*

In 2018, we are piloting a new program for our attendees and exhibitors: CLEC Commercial Symposia. Select exhibitors who submitted proposals for scientific sessions have been given the opportunity to present 30-minute sessions. Join us to learn how their products and services can be useful in laboratory education.

#### SCHEDULE:

9:00 am–9:30 am	MediaLab, Inc.
9:30 am–10:00 am	Siemens Healthineers
10:00 am–10:30 am	American Medical Technologist
10:30 am–11:00 am	Bio-Rad Laboratories

## CLIMATE, DRESS AND DESTINATION

The weather in February is around 65 degrees in the daytime, with evening lows in the high 40s to low 50s. A warm jacket will be necessary, but as always, layering your clothing works best to ensure you will be comfortable in the sessions as well as in the evenings out and about town.

## ACKNOWLEDGEMENTS

ASCLS would like to thank the following sponsors for their support of this year's conference:

**Summa Cum Laude Sponsor: MediaLab, Inc.**

## CONTINUING EDUCATION CREDIT

CLEC's continuing education programs are approved by the ASCLS P.A.C.E.® program for clinical laboratory sciences.

P.A.C.E.® contact hours are accepted by the ASCP/ASCLS/AGT Board of Certification, and all states, including California and Florida for recertification and licensure. Registrants who participate in the scientific sessions at the conference can earn up to 13 P.A.C.E.®-approved contact hours and another 2 hours can be earned by participating in the Poster and Technology Demo Quiz.

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. The CE Organizer is online at <http://ceorganizer.ascls.org>. As an ASCLS member benefit, contact hours earned will be automatically transferred to the BOC Certification Maintenance Program (CMP) for re-certification purposes if you have a valid ASCP customer ID number listed in CE Organizer.

## NAACLS WORKSHOP

THURSDAY, FEBRUARY 22, 2018

**7:00 am – 12:00 pm**

The National Accrediting Agency for Clinical Laboratory Sciences (NAACLS) will present the following workshop, **“Top Pitfalls When Completing a NAACLS Self-Study ... And Other Tips for Success,”** on Thursday, February 22, 2018, from 7:00am–12:15pm (immediately prior to the CLEC) in Legends Ballroom I-IV at the Royal Sonesta Houston Galleria in Houston, Texas.

The workshop will be presented by **Mary Ellen Tancred**, Ph.D., MBA, MT(ASP)SH, Program Coordinator at Columbus State Community College in Columbus, Ohio, and **Candace Hill**, MAEd, MT(ASCP), Program Director at Jefferson State Community College in Birmingham, Alabama. Dr. Tancred is a Phlebotomy Educator on the NAACLS Programs Approval Review Committee (PARC). Ms. Hill is an MLT Educator on the NAACLS Review Committee for Accredited Programs (RCAP).

**This NAACLS workshop is SEPARATE from the CLEC Program, and the workshop registration and payments are processed directly through NAACLS.**

For complete information on the workshop and to register, please visit the NAACLS website at [www.naacls.org](http://www.naacls.org).



# CONFERENCE SCHEDULE

THURSDAY, FEBRUARY 22, 2018

**6:00 am – 6:00 pm**

CONFERENCE REGISTRATION

**8:00 am – 10:00 am**

BODY OF KNOWLEDGE MEETING

**9:00 am – 11:00 am**

COMMERCIAL SYMPOSIA

**11:30 am – 12:30 pm**

EXHIBIT PREVIEW – Visit the conference exhibitors early!

**12:45 pm – 1:00 pm**

WELCOME – ASCLS and the host committee welcome CLEC attendees to Houston

**1:00 pm – 2:00 pm**

OPENING KEYNOTE

## *THE DIAGNOSTIC MANAGEMENT TEAM: A SOLUTION FOR DIAGNOSTIC ERROR AND INAPPROPRIATE TEST UTILIZATION*

*Michael Laposata, MD, Ph.D., University of Texas Galveston*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

This presentation will describe the diagnostic management team and everything about it – participants, output, impact and planned growth.

**2:00 pm – 2:30 pm**

BOC UPDATE

**2:30 pm – 3:00 pm**

NAACLS UPDATE

**3:00 pm – 3:30 pm**

NETWORKING AND CONVERSATION OASIS – Enjoy one of the best features of attending CLEC: Networking with colleagues. Members from the BOK committee will also be available to discuss proposed changes.

**3:30 pm – 4:30 pm**

GENERAL SESSION

## *BEYOND THE “TEACH OUT PLAN”: PLANNING FOR CONTINUITY OF BUSINESS*

*Diane Davis, Ph.D., MLS(ASCP)<sup>CM</sup>, Salisbury University*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

This program will describe strategies to handle the unexpected – sudden faculty illness, unexpected resignations, loss of electronic resources, etc. “Teach out plans” to handle complete program closure or catastrophe are the extreme, but continuing the business of education in the face of adversity also takes planning.

**4:30 pm – 5:00 pm**

NETWORKING AND CONVERSATION OASIS

**5:00 pm – 6:00 pm**

**CONCURRENT SESSIONS**

### **NOTE TAKING SKILLS FOR STUDENT SUCCESS**

*Mariane Wolfe, MS, MLS(ASCP)<sup>CM</sup>, Michigan State University*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

With the increased usage of technology in the classroom, students have many options for taking notes. But are these options improving learning? Recommendations from the literature on the effective use of note taking.

### **WANT A QUICK AND EASY WAY TO IMPROVE YOUR COURSE? LET THE CAT OUT OF THE BAG!**

*Brooke Solberg, Ph.D., MLS(ASCP)<sup>CM</sup>, University of North Dakota*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Classroom Assessment Techniques (CATs) are tools that allow for quick feedback gathering during a course, when issues can be addressed in real-time. This session will examine different CATs, along with strategies for analyzing, responding to, and monitoring changes made in response to CAT feedback. Utilization of CATs in program assessment and NAACLS standards compliance will also be discussed.

### **MICROBIOLOGY CLINICAL INTENSIVE ROTATION-EDUCATION'S RESPONSE TO CHANGES IN INDUSTRY**

*Karen Peterson, MS, MT(ASCP), University of North Dakota*

*Shannon Jongeward, MS, MLS(ASCP)<sup>CM</sup>, University of North Dakota*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

In response to healthcare facilities outsourcing microbiology samples, the University of North Dakota has designed and implemented a Micro Clinical Intensive Rotation (MCIR). The MCIR is a non-traditional clinical rotation in a university setting taught by certified Medical Laboratory Scientists to establish entry level competence in Medical Laboratory Science students.

### **THE COLORFUL HATS OF A PROGRAM DIRECTOR**

*Michelle Butina, Ph.D., MLS(ASCP)<sup>CM</sup>, University of Kentucky*

*Phil Campbell, MEd, MT(ASCP), Eastern Kentucky University*

*Karen Golemboski, Ph.D., MLS(ASCP)<sup>CM</sup>, Bellarmine University*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Three program directors will share the more colorful aspects of their position including challenges often not discussed and how to overcome them. The session will primarily focus on the various roles administrators assume during demanding times and will benefit any faculty member that aspires to become a program director.

**6:30 pm – 8:00 pm**

**RECEPTION WITH EXHIBITORS, POSTER PRESENTATIONS AND TECHNOLOGY DEMONSTRATIONS**

## **FRIDAY, FEBRUARY 23, 2018**

**7:00 am – 3:00 pm**

**CONFERENCE REGISTRATION**

**7:00 am – 8:15 am**

**BREAKFAST WITH SCIENTIFIC ASSEMBLIES**

Look for table markers to sit by discipline area; enjoy breakfast and conversation with your colleagues.

**8:15 am – 8:30 am**

**BREAK**

**8:30 am – 9:30 am**

GENERAL SESSION

***MAKING THE TACIT EXPLICIT: HELPING STUDENTS DEVELOP APPROACHES TO DATA ANALYSIS AND PROBLEM SOLVING****Kathy Doig, Ph.D., MLS(ASCP)<sup>CM</sup>, Michigan State University**Leah Ames, MS, MLS(ASCP)<sup>CM</sup>SCYM<sup>CM</sup>, PCL Alverno Clinical Laboratories***Level of Instruction: Intermediate    Contact Hours: 1.0**

Tests in data sets like CBCs or chemistry panels are not interpreted individually, but collectively to create a picture of the patient's condition. Most experienced professionals have a tacit mental procedure they use in making such interpretations. Learn how to recognize your tacit mental processes and how to make them overt of students.

**9:30 am – 10:30 am**

BREAK WITH EXHIBITORS, POSTER PRESENTATIONS AND TECHNOLOGY DEMONSTRATIONS

**10:30 am – 12:00 pm**

CONCURRENT SESSIONS

***“LEAVE” THEM THINKING: USING INTERLEAVING TO PROMOTE RETENTION IN A CAPSTONE REVIEW COURSE****Carol Rentas, Ph.D., MT(ASCP), George Washington University***Level of Instruction: Intermediate    Contact Hours: 1.5**

The current model of education emphasizes the use of massed practice, i.e. full understanding or proficiency in one topic before moving onto the next. Research indicates that this may not be the most effective method of instruction. This session provides an example and “how-to” tips on using an alternative approach.

**HOT TOPICS**

The following three presentations will be twenty-five minutes each with Q&A at the end. **Contact Hours: 1.5**

***TO CHANGE OR NOT TO CHANGE****Maribeth Flaws, Ph.D., MLS(ASCP)<sup>CM</sup>, Rush University***Level of Instruction: Intermediate**

When students don't perform well on an exam, they claim that they changed their answers from right to wrong. Should we tell them not to change answers? What does the research say about the effect of changing answers on test scores?

***CLINICAL PRACTICUM EVALUATIONS: GETTING BENCH PRECEPTOR “BUY-IN” FOR THOUGHTFULLY COMPLETING EVALUATIONS****Patricia Boyer, MSHS, MLS(ASP)<sup>CM</sup>, Clement J. Zablocki VA Medical Center***Level of Instruction: Intermediate**

In this session, we will look at examples of clinical practicum evaluations from one hospital-based Medical Laboratory Science program. We will also explore how this program progressed from hastily completed evaluations on student performance to evaluations that are more thoughtfully completed and provide helpful comments and feedback for the student.

***PUTTING THE CARE BACK IN HEALTHCARE****Phyllis Ingham, Ed.D., MT(ASCP), West Georgia Technical College***Level of Instruction: Intermediate**

In today's healthcare environment, we seem to have lost touch with how others may “feel” once they enter our domain. Altruism, commitment, attitudes, communication, patient centeredness and ultimately overall performance of healthcare professionals depend on empathy. This loss of empathy and “I don't care attitude” is equating to poor patient outcomes and poor patient satisfaction scores. How do we teach our students to CARE about their patients? Why is empathy so important in positive competency based healthcare performance? In this session, we will take a look at what you can do to empower students to identify empathetically and promote patient centeredness and improve the patient's overall healthcare experience.

## ***ECLIPS (EXCELLENCE IN CLINICAL LABORATORY INTEGRATION INTO INTERPROFESSIONAL SIMULATION): BRINGING LAB EDUCATION INTO A NEW ERA***

*Michelle Brown, Ph.D., MLS(ASCP)<sup>CM</sup>SBB, University of Alabama at Birmingham*

*Susan Renee Hodgkins, Ph.D., MT(ASCP), University of Kansas Medical Center*

*Dana Bostic, MBA, MLS(ASCP)<sup>CM</sup>, University of Kansas Medical Center*

**Level of Instruction: Intermediate    Contact Hours: 1.5**

Interprofessional simulation is high quality educational experience used in many healthcare programs. This session will provide simulation fundamentals for laboratorians: learn to use the lingo, design simulations, and measure outcomes. We will work through a how-to guide for identifying opportunities at your institution and designing your own interprofessional simulation.

## ***GUIDED CAREER PATHS IN CLINICAL LABORATORY SCIENCES***

*Emily Hill, Ph.D., MT(ASCP), Virginia Commonwealth University*

*Nadine Fydryszewski, Ph.D., MLS(ASCP)<sup>CM</sup>, Rutgers, The State University of NJ, School of Health Professions*

*Jose Salazar, Ph.D., MLS(ASCP)<sup>CM</sup>, University of Texas Medical Branch*

*Vicki Freeman, Ph.D., MLS(ASCP)<sup>CM</sup>SC, University of Texas Medical Branch*

**Level of Instruction: Intermediate    Contact Hours: 1.5**

A Guided Career Pathway approach to education is essential for student progression and retention in medical laboratory science. This session will focus on processes including innovative curriculum models, Career Maps, multiple entry and exit points (MLT through DCLS), as well as a Program for Retention and Academic Individualized Support (PRAIS).

**12:15 pm – 1:30 pm**

### **LUNCH 'N' LEARN SESSIONS**

These sessions will be conducted in a more formal manner than a roundtable but are not breakout sessions.

## ***LLO1 – CLINICAL LABORATORY SCIENCE GRADUATE STUDENT RESEARCH WITHOUT FUNDING***

*Muneeza Esani, Ph.D., MT(ASCP), UTMB Galveston*

*Jian Zhang, MD, M(ASCP), UTMB*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

The Clinical Laboratory Science Program at University of TX Medical Branch has a unique model that has been successful in providing a variety of research opportunities to graduate students without any funding. This talk will discuss the journey of graduate projects and students from selection of a thesis topic to thesis defense and publications.

## ***LLO2 – DID SOMEONE SAY FREE? UTILIZING A LEARNING MANAGEMENT SYSTEM IN A HOSPITAL BASED PROGRAM***

*Theresa Tellier-Castellone, MPH, MLS(ASCP)<sup>CM</sup>, Prospect CharterCare*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Learning management systems are tools widely used by universities and colleges today to communicate, assess, track, and provide academic materials to students both on campus and via distance learning. There is typically a known cost associated with purchasing a learning management system limiting the utilization by hospital based programs or other programs with smaller student numbers. One learning management system in particular, Canvas, provides an open license (free) platform for schools to use. This presentation will address a hospital-based program's journey to implementing this program, share how it is possible to move from paper to an electronic format, and the value derived from doing so.

## ***LLO3 – ENTRY LEVEL CURRICULUM: WHAT IS IT AND HOW COULD I USE IT?***

*Joan Polancic, MEd, MLS(ASCP)<sup>CM</sup>, Denver Health School of Medical Laboratory Science*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

The Entry Level Curriculum was created to provide guidance as to the knowledge and skills a new graduate at the MLT or MLS level should possess upon entry into the workforce. In this session, we will discuss updates made in these recently published documents and how they may be utilized in your curriculum.

## LLO4 – PREPARING FOR EVOLVING CLINICAL MICROBIOLOGY ROTATIONS

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

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Clinical microbiology laboratories have undergone overwhelming changes in recent years, with increased and widespread use of automation. Overviews of current and future microbiology technology will be followed by suggestions and open discussion, from a clinical preceptor's viewpoint, on how to prepare CLS students for their clinical microbiology rotations

## LLO5 – CRITICAL CONVERSATIONS

Lisa Maness, Ph.D., MT(ASCP), MT(AMT), Winston-Salem State University

Janice Conway-Klaassen, Ph.D., MLS(ASCP)<sup>CM</sup>SM, FACSc, University of Minnesota

Nicole Pekarek, MAT, MT(ASCP), Winston-Salem State University

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Participants will think about and discuss the acceptance, encouragement, and understanding of diversity in universities/laboratories.

**12:15 – 1:30pm**

### LUNCHEON ROUNDTABLES

Luncheon roundtables are informal, small group discussions led by a moderator(s); roundtables have limited capacity.

## R01 – NEW FACULTY ROUNDTABLE

Karen Chandler, MA, MLS(ASCP)<sup>CM</sup>, Retired Program Director and Asst. Dean

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Are you new faculty in an MLS or MLT program? This roundtable will give you a chance to informally meet with other people who are in the same position. Come with questions and find out how others are handling similar situations, or just share thoughts and ideas with new friends.

## R02 – MLS PROGRAMS ONLY

Deirdre D. Parsons, MS, MT(ASCP)SBB, University of Maryland School of Medicine

**Level of Instruction: Intermediate    Contact Hours: 1.0**

What issues are you currently facing in your MLS Program? This roundtable will give you a chance to informally meet with other MLS faculty. Come with questions, concerns, and thoughts. Then find out how others are handling similar situations. Share your thoughts and ideas with new friends.

## R03 – MLT PROGRAMS ONLY

Theresa Spain, MEd, MT(ASCP), Houston Community College

**Level of Instruction: Intermediate    Contact Hours: 1.0**

What issues are you currently facing in your MLT Program? This roundtable will give you a chance to informally meet with other MLT faculty. Come with questions, concerns, and thoughts. Then find out how others are handling similar situations. Share your thoughts and ideas with new friends.

## R04 – HOSPITAL-BASED PROGRAMS ONLY

Tatia Feltman, MEd, MLS(ASCP)<sup>CM</sup>, Houston Methodist Hospital Medical Laboratory Science Program

**Level of Instruction: Intermediate    Contact Hours: 1.0**

What issues are you currently facing in your hospital-based program? This roundtable will give you a chance to informally meet with other hospital-based faculty. Come with questions, concerns, and thoughts. Then find out how others are handling similar situations. Share your thoughts and ideas with new friends.

## R05 – DISCUSSING THE DISCUSSION: WHY DISCUSSION BOARDS ARE VITAL IN ONLINE TEACHING

Sallie Ruskoski, Ph.D., MT(ASCP), Northeastern State University

**Level of Instruction: Intermediate    Contact Hours: 1.0**

As many programs shift from traditional to online, there is no classroom discussion among students. Use of discussion boards in the online platforms are vital in order for students to discuss subjects with the instructor as well as communicating with fellow students regarding experiences and learning suggestions.

## **RO6 – A PROGRAM SAVED BY COMMUNITY FUNDED PARTNERING**

*Melanie Chapman, MEd, MLS(ASCP)<sup>CM</sup>, University of Louisiana Monroe*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

On October 30, 2013, University of Louisiana Monroe administrators informed the Medical Laboratory Science faculty that the program would be terminated. A grassroots effort from medical laboratory scientists throughout the state of Louisiana exploded within weeks. Several hospitals pledged to donate money for two years to keep the program viable.

## **RO7 – EFFECTIVE PHLEBOTOMY PROGRAMS — TRAINING PHLEBOTOMISTS THAT EMPLOYERS WANT TO HIRE**

*Brenna Ildza, BHS, MT(ASCP)SH, PBT, Saint Luke's Hospital*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

During this session, we will discuss how to structure a phlebotomy program to meet career entry level competencies, including didactic and clinical instruction using NAACLS standards. We will also cover the challenges of didactic instruction, student labs, clinical sites and placement, professionalism, and certification. Our goal is to provide education and training to produce quality phlebotomists that employers want to hire.

## **RO8 – QUALITY IMPROVEMENT: TEACHING SYSTEMS THEORY**

*Karen Golemboski, Ph.D., MLS(ASCP)<sup>CM</sup>, Bellarmine University*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Using Quality Improvement methods is an essential competency for MLS practitioners. Systems theory is an important component of QI methods, such as root cause analysis. This session will demonstrate classroom approaches to teach and apply systems theory.

## **RO9 – FACE-TO-FACE LABS VS. HYBRID LABS: A COMPARISON OF STUDENT PERFORMANCE IN AN INTRODUCTORY MICROBIOLOGY COURSE FOR A TWO-YEAR PERIOD**

*Sandra Tjerina, MS, MLS(ASCP)<sup>CM</sup>SBB, University of Texas Rio Grande Valley*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

The CLS Program at UTRGV offers a Clinical Microbiology course for healthcare workers which is in high demand and has 225-240 students per semester. Due to the high cost of media, the program developed an online lab which has significantly cut the cost down. This session will discuss how students compare in face to face labs with on line hybrid labs.

## **R10 - CHALLENGES ENCOUNTERED WITH CLINICAL AFFILIATION AGREEMENTS**

*Melanie Giusti, MHI, MLS(ASCP)<sup>CM</sup>, University of Cincinnati*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Challenges encountered in establishing, understanding and complying with clinical affiliation agreements will be discussed.

## **R11 – E-ACCESSIBILITY – THE 5 W's ... AND HOW!**

*Charity Accurso, Ph.D., MLS(ASCP)<sup>CM</sup>, University of Cincinnati*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

eAccessibility is a hot topic at many institutions. Making courses and websites accessible helps students with identified disabilities and students with differing abilities to be successful. This session will focus on legal requirements and federal regulations for students with disabilities, but also on ways to improve accessibility for all students.

## **R12 – SCHEDULING CLINICALS IN A HOSPITAL-BASED PROGRAM**

*Edwin Beitz, MHA, MLS(ASCP)<sup>CM</sup>, WellSpan York Hospital*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

This roundtable will be a discussion of various ways to schedule students in their clinical rotations. Which one will work best for your program? How can we get improve laboratory staff participation?

### **R13 – FERPA COMPLIANCE IN THE DIGITAL AGE**

*Carol Golyski, MS, MT(ASCP), University of Buffalo*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

The Family Educational Rights and Privacy Act was passed in 1974 when classes were held in brick and mortar buildings and documents were sent in a sealed envelope. The advancements in digital technology and communication have presented several challenges to educators to maintain the privacy of student records.

### **R14 – LEAD TESTING IPE COLLABORATION WITH NURSING PROGRAM**

*Sarah Pelton, MS, MLS(ASCP)<sup>CM</sup>, Ferris State University*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

This presentation will outline the planning process and initial results of a collaborative service learning project between the Northeast Michigan Community Service Agency (NEMCSA) Head Start, Ferris State University (FSU) Clinical Laboratory Science (CLS), and FSU Nursing programs, aimed at providing lead screening for children enrolled in Head Start programs.

### **R15 – MASH — A BLAST FROM PAST TO COMBAT SHORTAGES**

*Sona Kumar, MS, MLS(ASCP)<sup>CM</sup>, Louisiana State University Alexandria*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

In an effort to increase enrollment, LSUA started the MASH (Medical Application of Science for Health) program in partnership with AHEC. This program consists of several real-life case studies which introduced participants to a number of healthcare careers incorporating Science, Technology, Engineering, and Math as well as the medical and allied health fields of practice.

### **R16 – E-PORTFOLIOS USING POWERPOINT**

*Lillian Mundt, Ed.D., MLS(ASCP)<sup>CM</sup>SH, TechEd*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Participants will explore the uses of PowerPoint as a format for e-Portfolios that can be used for professional advancement or student capstone project.

### **R17 – ENGAGING STUDENTS IN STATE PROFESSIONAL SOCIETIES: MEETINGS, POSTERS, AND STUDENT BOWL**

*Dawn Barten, MS, MT(ASCP), University of Wisconsin - Stevens Point*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Our discussion will identify ways in which we can encourage student and new professional participation in local state and national organizations. We will discuss the ways that are currently successful as well as brainstorm to find new ways to encourage participation.

### **R18 – ONSITE CLINICAL FOR BLOOD BANK**

*Kathleen Park, MA, MT(ASCP), Austin Community College*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

An overview of the three-day Blood Bank onsite clinical that we conduct for our students at Austin Community College will be presented. The onsite clinical covers as much of the daily routine of the transfusion service as possible in a simulated setting.

### **R19 – REPLENISHING THE MEDICAL LABORATORY SCIENTIST SUPPLY: INNOVATIVE EDUCATION PARTNERSHIP**

*Joann Rittersbach, MT(ASCP), Memorial Sloan Kettering Cancer Center*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

In response to a shortage of licensed Clinical Laboratory Technologists, Memorial Sloan Kettering Cancer Center (MSKCC) partnered with Marist College's Department of Medical Laboratory Sciences to train eight MSK employees in a new career as Medical Laboratory Scientists. Completion of the program leads to ASCP certification and NY State licensure.

## R20 – CHARACTERISTICS OF EFFECTIVE EDUCATORS

Cathy Robinson, DHA, MLS(ASCP)<sup>CM</sup>, Louisiana State University Alexandria

**Level of Instruction: Intermediate    Contact Hours: 1.0**

In this session, participants will gain tips on improving their skills as educators. Participants will have the opportunity to reflect on ways to improve their effectiveness in the classroom.

## R21 – SURVIVING HUGE BUDGET CUTS

Sonya Hidalgo, MA, MLS(ASCP)<sup>CM</sup>, McNeese State University

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Due to the state legislature budget, university programs are struggling to stay afloat. At McNeese State University, we have tackled this issue head-on by partnering with local hospitals, joining cross-discipline with other departments, utilizing volunteers for review, writing external grants, and several other methods of bringing in external funds. Surviving budget cuts is an ongoing, ever-changing process.

## R22 – INCORPORATING INTERPROFESSIONAL EDUCATION (IPE) INTO THE MLS CURRICULUM

Kristin Palladino, MS, MLS(ASCP)<sup>CM</sup>, University of Massachusetts Lowell

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Interprofessional Education (IPE) has been shown to improve students' attitudes and readiness for interdisciplinary collaboration. However, incorporating IPE into an established MLS curriculum can be challenging. This session will focus on the strategies used by the MLS Program at the University of Massachusetts Lowell to integrate IPE into the curriculum.

**1:45 pm – 3:15 pm**

CONCURRENT SESSIONS

## GRANTS! A GUIDE TO FINDING MONEY FOR CLS PROFESSIONALS

Pat Tille, Ph.D., MLS(ASCP)<sup>CM</sup>, FACS, South Dakota State University

Linda Smith, Ph.D., MLS(ASCP)<sup>CM</sup>, UT Health San Antonio

**Level of Instruction: Intermediate    Contact Hours: 1.5**

This presentation is intended to provide attendees with a guide to the tools and information available to seek out external funding from a variety of sources including federal, foundation and other sources. An overview of available resources and how to navigate them will be presented. In addition, the challenges and considerations for the use and management of different types of funding will also be reviewed.

## THE USE OF VIRTUAL LABORATORIES TO ENHANCE THE LABORATORY SCIENCES CURRICULUM

Marcia Firmani, Ph.D., MT(ASCP), George Washington University,

**Level of Instruction: Intermediate    Contact Hours: 1.5**

The hands-on facet of the laboratory is difficult to teach in an online format. Consequently, we developed virtual laboratories to complement an online didactic Molecular Diagnostics course. To assess efficacy, we compared pre- and post-quiz results before and after implementation. We also used a survey to determine student perception.

## BEST PRACTICES FOR HOSPITAL-BASED MLS PROGRAMS

Julie Richards, MPA, MT(ASCP)BB, Nebraska Methodist Hospital

Jennifer Knight, MHS, MLS(ASCP)<sup>CM</sup>, MS Baptist Medical Center

Terry Taff, MA, MT(ASCP)SM, Mercy Hospital St. Louis

**Level of Instruction: Intermediate    Contact Hours: 1.5**

A panel of program directors will share their varying approaches to teaching MLS students while maintaining their outcomes and ensuring the job readiness of their graduates. Included in the discussion will be the results of a survey sent to NAACLS accredited hospital-based MLS programs, and other suggested hot topics.

## HOT TOPICS

The following three presentations will be twenty-five minutes each with Q&A at the end. **Contact Hours: 1.5**

### *GOTCHA! GRABBING ATTENTION WITH INTERACTIVE COURSE OBJECTS*

*Erin Rumpke, MS, MLS(ASCP)<sup>CM</sup>, University of Cincinnati*

**Level of Instruction: Intermediate**

This program will present several methods to incorporate interactive course objects to effectively engage learners in course information, scaffold learning concepts, and check for comprehension. Learners will leave with resources to begin adding interactive designs to their own courses as well as advice regarding best practices in development and incorporation.

### *USING YUJA FOR ONLINE AND HYBRID DELIVERY*

*Bernardino Madsen, MS, MLS(ASCP)<sup>CM</sup>, Casper College*

**Level of Instruction: Intermediate**

This presentation will showcase the YUJA course captioning system. Yula's Enterprise Video Platform offers cloud-hosted video management, hardware-based lecture capture, desktop software capture, video classrooms, and mobile and social applications – all within an integrated video platform.

### *KAHOOT - DEVELOPING ENGAGEMENT WITH LOW COGNITIVE OVERHEAD*

*Theresa Malin, MLS(ASCP)<sup>CM</sup>, Mayo Clinic*

**Level of Instruction: Intermediate**

When incorporating technology into the classroom, it is important to consider the impact it will have on time, flow and content. Technology should add to the experience, not distract from it. We will cover a few key points to look for when incorporating technology and demonstrate one such technology, Kahoot!

**3:15 pm – 3:30 pm**

**BREAK**

**3:30 pm – 5:00 pm**

**CONCURRENT SESSIONS**

### *STRATEGIES FOR A SUCCESSFUL PROGRAM ASSESSMENT*

*Elizabeth Gockel-Blessing, Ph.D., MLS(ASCP)<sup>CM</sup>, Saint Louis University*

*Karen Golemboski, Ph.D., MLS(ASCP)<sup>CM</sup>, Bellarmine University*

*Sandra Weiss, Ed.D., MLS(ASCP)<sup>CM</sup>, Neumann University*

**Level of Instruction: Intermediate Contact Hours: 1.5**

"Crew member Participants" will have the opportunity to interact with a "constellation" of colleagues to discuss effective program assessment processes and strategies. Excerpts from program assessment plans will provide the basis for "crew members" to examine and convert them from "nebulous black holes" into multi-faceted "super novas!"

### *PRE- AND POST-ANALYTIC PHASES — WHAT IS IMPORTANT?*

*Cathy Otto, Ph.D., MLS(ASCP)<sup>CM</sup>, Rutgers University*

**Level of Instruction: Intermediate Contact Hours: 1.5**

NAACLS accredited programs are required to address pre- and post-analytical phases of the laboratory testing process throughout the curriculum. Developing students' skills in these areas is vital to improving laboratory testing and ensuring patient safety. This session will discuss methods to incorporate concepts and skill-building into MLS and MLT curricula.

## **MEDICAL LABORATORY EDUCATORS CHOOSE WISELY**

*George Fritsma, MS, MT(ASCP), The Fritsma Factor*

**Level of Instruction: Intermediate    Contact Hours: 1.5**

"Choosing Wisely" is a Consumer Reports and American Board of Internal Medicine (ABIM) Foundation initiative to advance a national dialogue on avoiding wasteful or unnecessary medical tests, treatments and procedures. Choosing Wisely promotes conversations between clinicians and patients to choose care that is supported by evidence as necessary, non-duplicate, and harmless. ASCLS is invited to partner with ABIM to develop recommendations for laboratory testing and to provide entry-level and advanced teaching tools that disseminate recommendations to health care providers and patients. Presentation includes appearances by the ASCLS Choosing Wisely initiative task force.

## **WRITING IN THE DISCIPLINE OF CLS: WRITING INTENSE PEDAGOGY**

*Terry Mortier, Ph.D., MT(ASCP), Eastern Michigan University*

*Lynne Shetron-Rama, Eastern Michigan University*

**Level of Instruction: Intermediate**

This session will share university writing intensive course data analyzed with a rubric including responses from students and faculty. In addition, this session will address writing within courses in CLS, particularly how genre, purpose, audience, and convention are addressed through assignments such as memos, procedures, presentations, annotated bibliographies, and manuscripts.

**5:00 pm – 5:15 pm**

**BREAK**

**5:15 pm – 6:15 pm**

**GENERAL SESSION**

## **HUMOR IN THE CLASSROOM: THE GOOD, THE BAD AND THE UGLY**

*Bill Zundel, MS, MLS(ASCP)<sup>CM</sup>SBB, Brigham Young University*

**Level of Instruction: Intermediate    Contact Hours: 1.0**

Research with examples. The data is pretty well established. I have consistently used humor in my twenty years of teaching having made mistakes along the way in addition to positive outcomes. The idea is to present the research giving examples (personal and research data) hoping to help others avoid my mistakes and develop their own positive approach. It is easy to use humor to gain favor; it is much more difficult/rigorous to integrate humor that enhances cognitive processes.

**6:30 pm**

**FRIDAY EVENING EVENTS**

## **SATURDAY, FEBRUARY 24, 2018**

**8:00 am – 9:30 am**

**BREAKFAST WITH ESA**

Come and join your colleagues for breakfast and join in the Education Scientific Assembly (ESA) business meeting. All are welcome!

**9:45 am – 11:15 am**

**CONCURRENT SESSIONS**

## **DEVELOPING MULTIDISCIPLINE CLINICAL LABORATORY EDUCATIONAL PROGRAMS TO MEET THE CHALLENGES OF DELIVERING PERSONALIZED CARE MEDICINE**

*Mark Bailey, M.A., HTL(ASCP), University of Texas M.D. Anderson Cancer Center*

*Peter Hu, Ph.D., MLS(ASCP)<sup>CM</sup>MB, CG, University of Texas M.D. Anderson Cancer Center*

**Level of Instruction: Intermediate    Contact Hours: 1.5**

The aim of this session is to present a working multidisciplinary curriculum that is currently being used at MD Anderson Cancer Center School of Health Professions and to discuss the development and implementation of multidisciplinary case studies that focuses on personalized medicine.

## **REAL-TIME & PAPERLESS CLINICAL RECORDKEEPING**

Jessica Lasiter, MHIM, MLS(ASCP)<sup>CM</sup>, University of Louisiana Monroe

**Level of Instruction: Intermediate Contact Hours: 1.5**

What is an online clinical recordkeeping system? This session will present the components of an online clinical recordkeeping system, demonstrate daily student tasks, and illustrate grading assessment tools utilized by instructors.

## **PROFESSIONAL DEVELOPMENT ASSESSMENT IN MULTIPLE LEARNING FORMATS AND ENVIRONMENTS**

Charity Accurso, Ph.D., MLS(ASCP)<sup>CM</sup>, University of Cincinnati

Elizabeth Hertenstein, MS, MT(ASCP)SBB, University of Cincinnati

Marcia Firmani, Ph.D., MT(ASCP), George Washington University

**Level of Instruction: Intermediate Contact Hours: 1.5**

Professional development is a key element of medical laboratory programs. Many programs utilize alternative course formats such as hybrid modes of delivery, flipped classroom models, or entirely online. This session will discuss methods of assessing and improving professional development in diverse classroom delivery formats, including laboratory sessions and clinical rotations.

## **HARVESTING PUBLICATION-READY MANUSCRIPTS FROM THE SENIOR CAPSTONE EXPERIENCE**

Kristen Coffey, MS, MB(ASCP), University of West Florida

Katie Cavnar, MS, MT(ASCP), University of West Florida

**Level of Instruction: Intermediate Contact Hours: 1.5**

The UWF MLS program utilizes a written capstone in the format of case studies published by the ASCP. Implementation of a Quality Enhancement Plan to improve written communication skills has increased the average capstone grade from 65% to 86% and student and faculty publications from 1/year to 5 in 2016.

**11:15 am – 11:30 am**

**BREAK**

**11:30 am – 12:30 pm**

**CLOSING SESSION**

## **EDUCATIONAL LEADERSHIP: LESSONS LEARNED FROM HARVARD**

Michelle Butina, Ph.D., MLS(ASCP)<sup>CM</sup>, University of Kentucky

**Level of Instruction: Intermediate Contact Hours: 1.0**

This presentation will include highlights from my experience at Harvard's Graduate School of Education, Women in Education Leadership program emphasizing the broad points applicable to all CLEC attendees. Attendees can expect inspiring quotes, interactive activities, and new vocabulary. The ultimate goal is for attendees to leave inspired and rejuvenated.

# REGISTRATION

## REGISTRATION FEES

	BY JAN. 12	JAN. 13 – FEB. 16	FEB. 22 – FEB. 24
<b>ASCLS Professional Member Full Registration</b>	\$ 485	\$ 555	\$ 595
<b>ASCLS Professional Member One-Day Registration</b>	\$ 295	\$ 335	\$ 385
<b>ASCLS Student Member Full Registration</b>	\$ 375	\$ 445	\$ 495
<b>Non-Member Full Registration</b>	\$ 625	\$ 695	\$ 745
<b>Non-Member One-Day Registration</b>	\$ 380	\$ 420	\$ 470
<b>Guest</b>	\$ 90	\$ 100	\$ 110

### OPTIONAL FRIDAY EVENING ACTIVITIES:

If you would like to participate in one of these off-site activities, please be sure to add the fee to your registration total.

<b>Friday Dinner</b>	\$ 35	N/A (must purchase by 1/12)	N/A (must purchase by 1/12)
<b>Friday Rodeo BBQ</b>	\$ 30	N/A (must purchase by 1/12)	N/A (must purchase by 1/12)

CLEC 2018 registration includes 13 P.A.C.E.<sup>®</sup>-approved contact hours and another 2 hours can be earned by participating in the Poster and Technology Demo Quiz, lunch on Friday, breakfast on Friday and Saturday, and an evening reception. Discounted registration fees are only available through January 12, 2018. The member fees listed above are for persons holding current membership in American Society for Clinical Laboratory Science (ASCLS). If you are not currently a member, complete and submit a membership application, with dues payment, with your CLEC registration to receive the member discount on your registration fee. [For a membership application, call ASCLS at 571-748-3770 or download the form at \[www.ascls.org/join\]\(http://www.ascls.org/join\).](#)

## HOW TO REGISTER

Choose one of these two options:

### ■ ONLINE REGISTRATION (Credit Card):

Register online at [www.ascls.org/CLEC](http://www.ascls.org/CLEC). Click the Registration tab for online registration.

### ■ REGISTER BY MAIL (Check or Purchase Order):

Registration forms may be obtained by visiting [www.ascls.org/CLEC](http://www.ascls.org/CLEC) and printing a copy of the form.

**Make checks payable to:** ASCLS CLEC. Payment must accompany your registration form in order 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 January 12th will qualify for the early 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 registration form.

For registration, membership, or other inquiries, contact the ASCLS office, 571-748-3770 or email us at [ascls@ascls.org](mailto:ascls@ascls.org).

## MEETING HOTEL

Reserve your room at the Royal Sonesta Houston online. Visit [www.ascls.org/CLEC](http://www.ascls.org/CLEC) and click on the Accommodations tab for more information.

### ROOM RATES:

Single/double accommodations:  
\$189 per night plus tax and fees

January 30, 2018 is deadline for hotel reservations.

## TRANSPORTATION

Houston is supported by two airports – Bush Intercontinental Airport and William Hobby Airport. Both allow easy access to the hotel.

### BUSH AIRPORT (IAH)

Average one way taxi fare: \$60

SuperShuttle shared ride one way fare: \$27

### HOBBY AIRPORT (HOU)

Average one way taxi: \$55

SuperShuttle shared ride one way fare: \$18.90

Rideshare pickups through apps such as Uber and Lyft are available at both airports.

*Please use the discount code ASCLS when booking your Super Shuttle reservation.*

## CANCELLATIONS AND REFUNDS

If it becomes necessary for you to cancel your CLEC registration, please notify ASCLS in writing before January 12, 2018. 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 January 12th, please find a substitute to send in your place, as no refunds will be issued after this date.

## DISABILITY STATEMENT

If you have a disability which requires special accommodations to access the meeting, please check the box and attach a letter describing your needs or requirements. **This letter must be RECEIVED by January 12, 2018.** With advance notice, ASCLS will help individuals to identify or arrange accommodations so the attendee is not denied the privilege or service of the meeting.



**1861 International Drive, Suite 200**  
**McLean, VA 22102**



**34<sup>TH</sup> ANNUAL**  
**CLINICAL LABORATORY**  
**EDUCATORS' CONFERENCE**

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**HOUSTON, TEXAS**

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**FEBRUARY 22-24, 2018**