April 7 – April 8, 2016
A Clinical Laboratory Continuing Education event
Organized by
ASCLS-COLORADO
ASCLS-WYOMING
CACMLE
CLMA-Centennial Chapter
Ramada Plaza, Northglenn, CO

Bring this Program with you to CLCC!
Schedule at a Glance

Wednesday, April 6
5:00-6:45 pm ASCLS-CO Annual Meeting
7:00-9:00 pm Bowling, Boondocks

Thursday, April 7
7:00-9:00 Registration and Continental Breakfast
8:00-8:45 Opening Ceremony and Awards
8:45-9:45 Keynote
9:45-10:00 Break
10:00-11:00 Breakout Sessions
11:00-1:30 PM Lunch with Vendors
1:30-2:30 Breakout Sessions
2:30-2:45 Break
2:45-3:45 Breakout Sessions
3:45-4:00 Break
4:00-5:00 Breakout Sessions
5:00-7:30 CACMLE Reception
7:30-8:45 ASCLS-WY Annual Meeting

Friday, April 8
7:00-9:00 Registration and Continental Breakfast
8:00-8:45 Opening Ceremony & Student Awards
8:45-9:45 General Session
9:45-10:00 Break
10:00-11:00 Breakout Sessions
11:00-1:30 Lunch with Vendors
1:30-2:30 Breakout Sessions
2:30-2:45 Break
2:45-3:45 Breakout Sessions
3:45-4:00 Break
4:00-5:00 Breakout Sessions

* Please bring this program to the conference
** Program schedule is tentative and subject to change
*** Visit the Student Posters all day Thursday and Friday. Prizes will be awarded for 1st, 2nd, 3rd place and honorable mentions.
**** Earn an additional 1 CEU for completing a Student Poster Quiz.

Come Visit Us Online
www.clcconline.org

Prior to attending the conference, attendees will need to print handouts by visiting the above website.

A username and password is required for printing conference materials and will be provided with your registration confirmation.

Handouts will NOT be provided at the session.

Directions and a map to the hotel are available online.

Online Registration will be available beginning February 15, 2016 at www.clcconline.org

CACMLE Reception Thursday, April 8, 5:00-7:30 p.m.
Refreshments Served, Cash Bar, Silent Auction and Entertainment in the Atrium

ASCLS-CO Annual meeting, Wednesday, April 7, 5:00-6:45 p.m.
Room: Wolf/Cripple Creek.

ASCLS-WY Annual meeting, Thursday, April 8, 7:30-8:45 p.m.
Room: Wolf/Cripple Creek.

Hotel Information

Ramada Plaza and Convention Center
10 E. 120th Avenue
Northglenn, CO 80233

For Room Reservations call:
(303) 452-4100
State you are part of the Clinical Laboratory Collaborative Conference (CLCC) Group Rate

Room Rate! $89/night, Floors 1-5, $99/night, Floor 6, (all rooms include full breakfast for up to 2 persons. Extra breakfast vouchers are available at an additional price)

Call by 4/2/16 in order to guarantee a room at the conference rate.

Directions to hotel available at www.clcconline.org
General Sessions

Thursday, April 7, 2016 • 8:45 - 9:45am
Session #1

Keynote Address
It’s Not What You Know, It’s Who You Know
- George A. Fritsma, MS, MLS,
The Fritsma Factor, Your Interactive Hemostasis Resource

Why do we join professional organizations? We work in a high risk, high reward environment; make decisions that affect peoples’ lives; and we need our colleagues’ support and information. Relationships begin at trivial moments, yet the person you meet today may be the one whom you help or who helps you tomorrow. How do we develop relationships, what makes them strong, and what qualities do we look for?

Friday, April 8, 2016 • 8:45 – 9:45am
Session #15

General Session
The Zen of Professional Service
- Kathy Doig, PhD, MLS(ASCP)CMSHCM,
Biomedical Laboratory Diagnostics, Michigan State University

Are you feeling your career needs a jump start or that laboratorians don’t get the respect they deserve, but you can’t figure out how to make that change? Invest in yourself for this hour and learn how that investment can pay off big in career advancement and improved professional satisfaction.

INSTITUTIONAL PASS:

- The institutional pass costs $300.00, is good for both days, and includes any combination of general sessions and breakouts up to a total of 12.
- Additional single sessions may be purchased for $25.00 per session.
- All participants are welcome to visit the vendors in the exhibit hall.
- Note that General Sessions are 1 and 15.
- Lunch is not included but may be purchased for $20 each as a Lunch Pass.

Exhibits!!!!
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Please visit with your vendors in the exhibit area each day.

We are grateful for their continued support and want them to have the greatest opportunity to speak with their customers during this event.
Breakout Sessions
Thursday, April 7, 2016 • 10:00 - 11:00 am

Session #2: Measuring the Direct Oral Anticoagulants, Whatever Happened to the PT and PTT?
• George A. Fritsma, MS, MLS,
The Fritsma Factor, Your Interactive Hemostasis Resource
At least four new direct oral anticoagulants (DOACs) are eroding the 50-year dominance of Coumadin and heparin, providing safer and more reliable prophylaxis and treatment for venous thromboembolic disease and ischemic stroke. Distributors claim no monitoring is necessary, nevertheless, laboratory scientists are daily asked to identify and measure the DOACs in a number of circumstances, often emergent. We will discuss the available DOAC assays.

• Dee Dee Hawk, MS,
Wyoming Game and Fish Wildlife Forensic and Fish Health Lab
This session will explain wildlife forensics and demonstrate the international trade of wildlife and its connection to organized crime.

Session #4: Developing Leaders for a Rapidly Changing Future
• Lisa Colborn, MBA, CT(ASCP), Mayo Clinic
Healthcare is experiencing change at unprecedented levels with disruptive practices requiring new skills and strong leadership. Leaders must be ready to help staff understand and adapt to constant and rapid change. To do so requires an arsenal of skills and plans to develop future leaders during these times.

Session #5: Microbiology Utilization for Diagnosis: Advantages and Limitations of Molecular Testing in Microbiology
• Ellen Jo Baron, Ph.D., D(ABMM), F(AAM), Cepheid
This session will provide examples of some of the benefits of molecular methods and will also highlight some surprising results that need further exploration when molecular tests are used for detection and characterization of pathogens. Discussion will include how IDSA Guideline can be used to determine when NAATs may be appropriate.

Thursday, April 7, 2016 • 1:30 - 2:30 pm

Session #6: Immunoassay Serology: Advantages of Using an EBV Four-Marker Panel
• Tiffany MacKenzie, PhD, DiaSorin
Dr. MacKenzie will compare and contrast four-marker panel EBV antibody testing to Monospot testing. There will also be a discussion of the CDC Guidelines on EBV testing for diagnosis of infectious mononucleosis.

Session #7: Whole Genome Sequencing in Public Health
• Sarah Buss, PhD, D(ABMM), Wyoming Public Health Laboratory
The CDC is helping partner laboratories incorporate whole genome sequencing (WGS) into disease surveillance workflows. This session will provide background on WGS and describe how WGS is used by state public health laboratories. The ways in which clinical laboratories can help facilitate the transition to WGS for surveillance purposes will be emphasized.

Thank You to Our Sponsors and Exhibitors

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Medical Hospital of Converse County

Thank you to the Vendors and Sponsors of CLCC 2016! (as of March 24, 2016)
Session #29: SBB Projects: Platelet Count as an Indicator for Iron Status in Platelet Donors: A Hospital Transfusion Service’s Method for Resolution of Solid Phase Specific Antibodies
  - Erin Vinesett, MLS(ASCP)CM, SBB CM, University of Colorado Health North, and Christina Heard, MLS(ASCP)CM, SBB CM, Lutheran Medical Center
Research projects are a requirement of obtaining SBB certification. Hear from two recent SBB graduates presenting on the topics of iron deficiency in platelet donors and methods for resolution to solid phase specific antibodies.

Session #30: Use of Molecular Testing in Identification of Positive Blood Cultures
  - Tricia Bouchard, MLS (ASCP) cm, Banner Health Northern Colorado
Molecular based tests are an excellent alternative to culture for identifying bloodstream pathogens. Physicians will have information for appropriate antibiotic selection sooner which equates to better clinical outcomes. This session will focus on the impact on patients of rapid identification, the options available for testing and the process of implementation.

New this year! POCT Track on Friday. See Sessions #19, 23, and 27

Check out the management/leadership sessions!
  #1, 4, 8, 11, 12, 14, 15, 17, 21, 27

Session #8: Performance Management – Lessons learned from a Skeptic
  - Lisa Colborn, MBA, CT(ASCP), Mayo Clinic
Leaders must be ready to help staff adapt to constant and rapid change through positive behaviors. Performance Management is a process researched and developed by Aubrey Daniels, Ph.D. based on the principles of Applied Behavior Analysis. Using this methodology one can help staff adapt and excel, while having fun, even during turbulent times.

Breakout Sessions
Thursday, April 7, 2016 • 2:45 - 3:45 pm

Session #9: Inflammation, Sepsis, & Left Shift
  - David Schaffner, PhD, MT(ASCP), Beckman Coulter Inc.
Sepsis is a potentially deadly medical condition that is characterized by a whole-body inflammatory state (called a systemic inflammatory response syndrome or SIRS) and the presence of a known or suspected infection. This session will explore the basic pathophysiology of sepsis as well as laboratory testing guidelines for the diagnosis and management of patients with sepsis with an emphasis on the significant finding of left shift in the CBC-Diff.

Session #10: Challenges in Interferon Gamma Release Assays (IGRA) to include Quantiferon TB Gold and T-Spot TB Testing and Interpretation
  - Randall Reves, MD, MSc, University of Colorado, Denver
The two approved interferon gamma release assays (IGRA) are often used instead of the standard Mantoux tuberculin skin test for the diagnosis of latent tuberculosis infection (LTBI). This session will discuss the advantages and limitations using and interpreting the results of these laboratory tests.

Session #11: Doing Less with Less- Strategies for Work and Personal Life Balance
  - Shawn Evans, PhD
We will be exploring the liberating potential of adopting professional and personal strategies for focused work!

Thursday, April 7, 2016 • 4:00 – 5:00 pm

Session #12: BioSafety in the Lab
  - Emily Travanty, PhD, Colorado Department of Public Health & Environment Laboratory
Biosafety levels in the lab and the types of lab testing performed at each level will be discussed. Appropriate lab personal protective equipment (PPE) will be presented and the how and when to use it. There will be a discussion of how a biosafety program impacts all aspect of the clinical lab.

Session #13: The Electronic Crossmatch
  - Anna Cobb, MT(ASCP)SBB, Memorial Hospital of Converse County
A review of the benefits of implementing the electronic crossmatch and the requirements necessary to use the electronic crossmatch in a facility.
Session #14: Regulatory Survey Processes for New Managers and Supervisors
- Linda Kaufman, MT(ASCP), Denver Health School of Medical Laboratory Science
  This session will discuss the application, preparation and regulatory survey processes for new managers and supervisors. The participant will be better prepared to anticipate surveyor needs for a smooth, comprehensive survey.

Session #16: What’s New about Hemolytic Jaundice and Iron Salvage?
- Kathy Doig, PhD, MLS(ASCP)CM, Biomedical Laboratory Diagnostics, Michigan State University
  Modern cell biology has improved explanations of the processes that occur during accelerated hemolysis. Familiar laboratory findings are now better understood, like hemosiderin is found in renal tubular cells during excessive hemolysis. Current understandings of bilirubin production/processing and iron salvage will be discussed in normal and hemolytic conditions.

Session #17: Patient Safety Competencies to Improve the Quality of Laboratory Services, Part I
- Catherine Otto, PhD, MBA, MLS(ASCP)CM, Shoreline Community College
  Incorporating patient safety competencies into practice will help integrate laboratory services with those provided by other healthcare professionals and improve the quality of laboratory test information. Methods to incorporate patient safety into practice will be discussed. This session is intended to be a standalone session or part I of session #21.

Session #18: Oncology Genetic Counseling and Interesting Case Studies
- Leslie Ross, MS, University of Colorado Health
  This talk will focus on interesting case studies in oncology genetics, including important considerations a patient must make when choosing to pursue genetic testing and the impact of genetic test results on the patient and their family members.

Session #19: HIV/Influenza POCT
- Norman Moore, PhD, Alere
  New CDC HIV guidelines stress detection of acute infections. The talk will explain the new guidelines and their relation to rapid tests. New technologies exist for influenza. The pros and cons of all testing and why it is important to test will be explained.

Friday, April 8, 2016 • 1:30 – 2:30 pm
Session #20: Certification, Licensure, Accreditation – What is the Difference and What Does it Mean to Me?
- Joan Polancic, MEd, MLS(ASCP)CM, Denver Health School of Medical Laboratory Science
  This session will help navigate the purpose of and differences between certification, licensure and accreditation in the laboratory profession. A brief history of the profession will be provided to help understand the purpose of each. The process for the BOC exam and credential maintenance program will be explained with tips on how to get CE. Lastly, what is your role in the profession will be discussed.

Session #21: Patient Safety Competencies to Improve the Quality of Lab Services, Part II
- Catherine Otto, Ph.D., MBA, MLS(ASCP)CM, Shoreline Community College
  A brief summary of patient safety competencies discussed in Part I will be followed with detailed descriptions of methods to incorporate patient safety competencies in the clinical laboratory science practice. Examples and case studies will be used. This session is intended to be a standalone session or part II of session #17.

Session #22: Hemolytic Transfusion Reactions with Focus on Delayed Transfusion Reactions
- Ghislain Noumsi, MD, SBB(ASCP), Grifols Diagnostics
  Delayed hemolytic transfusion reactions (DHTR) can easily be misdiagnosed, because it usually appears at a distance of any transfusion. The antibodies are often difficult to detect because of their transient nature. This presentation will review some important serological characteristics of antibodies implicated in delayed hemolytic transfusion reactions, and provide some useful strategies for their identification.

Session #23: Identifying the Pregnant Patient: There’s more to Know than “Yes” or “No”.
- David Grenache, PhD, ARUP Laboratories
  This presentation will describe the limitations of qualitative urine and serum hCG tests and explain the causes of erroneous results. It will also describe the effect that qualitative hCG tests have on turnaround time and patient length of stay.

Session #24: Interview Skills
- Kim Miller, BS, MT(ASCP), Quest Diagnostics
  Attendees will learn how to prepare, rehearse, explore and plan for an interview. Types of interviews, methods of interviewing, possible interview questions, and behavior during the interview will be discussed.

Session #25: The Trend Toward DNA Based Prenatal Screening
- Gregory Bocci, DO, University of Colorado Hospital Clinical Laboratory
  New methods of prenatal testing are available and are competing with traditional screening methods. In this session, traditional strategies will be reviewed and new cell-free fetal DNA tests will be explained. The current role of these tests in the care of pregnant patients will be discussed.

Session #26: Those Bodacious Body Fluids
- Lynn Maedel, MS, MLS(ASCP)CM, Centura Health System
  Body fluid morphology is not always easy. Using images of cytocentrifuged Wright stained slide preps, this presentation provides numerous opportunities for participants to examine normal, reactive and malignant cell morphology. Key differentiating characteristics are illustrated using serous and synovial fluid specimens.

Session #27: IQCP, Lessons Learned, Pre and Post CAP Inspection regarding POCT.
- Mary Hammel, MLS(ASCP)CM, Centura Health System
  A discussion of the process of putting an IQCP together and a review of revisions needed after an inspection by CAP.

Session #28: The Role of Electron Microscopy in the Diagnosis of Renal Disease
- Ryan Goffredi, MLS (ASCP)CM, Children’s Hospital Colorado
  This presentation will describe normal and pathologic renal ultrastructure as seen by electron microscopy, and will demonstrate several case studies with ultrastructural observations and correlating urinalysis findings.