



2018

**OHIO COLLABORATIVE
LABORATORY CONFERENCE**

**Spotlight on the
Laboratory**

April 4 - 6, 2018

Columbus, Ohio





AACC-NE Ohio Section and Ohio Valley Section, ASCLS-Ohio, Ohio Association of Blood Banks, and CLMA-First Ohio, Six Rivers and Western Lake Erie Chapters are pleased to present the

2018 Ohio Collaborative Laboratory Conference

Because the quality of your continuing education can directly affect your professional development and achievements, this educational conference is designed by **YOU** for **YOU**, the clinical laboratory professional. Plan to take full advantage of the outstanding opportunities available to you during the meeting – to review current technologies, to learn new techniques, to formulate ideas for further development, to gain insights into future laboratory practice, and to network with your colleagues.

This event has been a true collaborative venture, and one that has been in the planning stages for many months. Dedicated professionals from each of the sponsoring organizations are responsible for its creation. We invite you to reap the benefits of this conference as you attend a variety of sessions especially designed for you as professionals and future professionals in the field.

- Who:** Laboratory Professionals, including students, medical laboratory technicians, medical laboratory scientists and administrators
- What:** Three days of PACE® approved educational sessions, networking, exhibitions and fun
- When:** April 4—6, 2018
- Where:** [Double Tree by Hilton Hotel](#)
175 Hutchinson Ave, Columbus, OH 43235, | (614) 885-3334
A block of rooms has been reserved for April 3, 2018 - April 7, 2018. The conference Rate is \$117/night (with internet and breakfast (for up to 2 people) included. This rate will be available until March 14th or until the group block is sold-out, whichever comes first. [Make your reservations here!](#) If making reservation by phone, reference Group Code COL.
- Why:** To further your professional development
- How:** Register online at www.ohio-clc.com

Registration Information

Individual Full Registration Includes:

- ⇒ Attendance at all conference sessions
- ⇒ Lunch plus morning and afternoon refreshment breaks
- ⇒ Wednesday evening dinner

Individual Daily Registration Includes:

- ⇒ All sessions, refreshment breaks and lunch either day

Institutional Registration:

- ⇒ Institutional badges are shared registrations, in which one employee can attend at a time.
- ⇒ One lunch ticket will be provided on Thursday and Friday for each badge purchased.
- ⇒ Institutional Badges must be purchased online in advance.
- ⇒ Please contact laboratory@ohio-clc.com to request an electronic copy of the "Institutional Badge Users Session Selection Worksheet".

Early Bird Discount registration ends March 16, 2018

	Full Conference (Discount/ Regular)	Wednesday Only (Discount/ Regular)	Thursday Only (Discount/ Regular)	Friday Only (Discount/ Regular)
Member*	\$175 / \$230	\$75 / \$100	\$95 / \$135	\$95 / \$135
Non-member	\$250 / \$305	\$105 / \$130	\$130 / \$170	\$130 / \$170
Student Member	\$75 / \$120	\$35 / \$60	\$40 / \$65	\$40 / \$65
Student Non-member	\$105 / \$150	\$50 / \$70	\$55 / \$80	\$55 / \$80
Institutional Badge	\$270 / \$325			
Additional Institutional Badge (each)	\$185 / \$235			

*Members of any of the sponsoring organizations (AACC – Northeast Ohio Section and Ohio Valley Section, ASCLS-Ohio, OABB, and CLMA–First Ohio, Six Rivers, or Western Lake Erie Chapters) can take advantage of discounted Member pricing!

Register online at www.ohio-clc.com

Refunds and Cancellations: Full registration fees will be refunded only if a written request is sent before March 23, 2018. A session may be cancelled if there is insufficient interest from registrants.

Keynote Presentation



Energy Leadership: How Quantum Physics Can Make You Healthy, Wealthy, and Wise!

Presented by Patty Eschliman, MHA

Did you know that each of us has 7 distinct levels of Energy that we use throughout each interaction that can determine how successful we are both in our professional and personal relationships? By attending this fun and engaging presentation, you will learn how to use each of the 7 levels of Energy, not only so that you can become the driver of your own success but also so you can recognize and influence the Energy of others. Step into your true leadership power by harnessing the power of Energy! You too can be more healthy, wealthy, and wise!

Program At A Glance

2018 Ohio Collaborative Laboratory Conference Wednesday, April 4th

12:30 – 5:00	Registration		
1:00 – 2:00	W1 Pediatric Drug Testing--New Approaches to Old Challenges <i>Amy Pyle-Eilola</i>	W2 Go with the Flow: Flow Cytometry for the Diagnosis of Lymphoproliferative Disorders <i>Rose Beck</i>	W3 DTT's DARA Dilemma <i>Wendy Disbro</i>
2:00 – 2:30	Refreshment Break		
2:30 – 3:30	W4 Coagulation in the Clinical Laboratory: Beyond the PT, PTT <i>Rae Kerlin</i>	W5 Project Management 101 <i>Cyndi Condrey</i>	W6 Biological Risk Assessment in Clinical Laboratories <i>Tammy Bannerman</i>
3:45 – 4:45	W7 Introduction to Modern Mass Spectrometry and Separation Techniques <i>Patrick DeArmond</i>	W8 Hematology Case Studies: Every Picture Tells a Story <i>Jill Crist</i>	W9 Addressing the CAP Blood Culture Volume Requirement: A Transdisciplinary Approach to Improve Patient Care <i>Stella Antonara</i>
5:00 – 7:00	Dinner		
7:00 – 9:00	ASCLS-OH Board of Directors Meeting	OABB Board of Directors Meeting	

2018 Ohio Collaborative Laboratory Conference Thursday, April 5th

8:00 – 5:00	Registration				
8:00 – 8:30	Continental Breakfast				
8:30 – 9:30	<p>T10</p> <p>Establishing a Next Generation Sequencing Program in a CLIA Lab</p> <p><i>Erik Zmuda</i></p>	<p>T11</p> <p>HIV Diagnostics: Past, Present and Future</p> <p><i>Vincent Ricchiuti</i></p>	<p>T12</p> <p>Management Tools for Analyzer Implementation Across a Multi-site Medical Center</p> <p><i>Michele Peddicord</i></p>	<p>T13</p> <p>The Value of Digital Pathology in Diagnostics and Cancer Research</p> <p><i>Anil Parwani</i></p>	
9:30 – 9:45	Refreshment Break				
9:45 – 10:45	T14—Welcome & Keynote Address: Energy Leadership <i>Patty Eschliman</i>				
11:00 - 12:00	<p>T15</p> <p>Magic Markers: PD-1 and PD-L1</p> <p><i>Suzanne Fischer & Davina Lewis</i></p>	<p>T16</p> <p>The Innate and Adaptive Immune Response: Many Tests to Decipher Immune Status</p> <p><i>Steven Ressler</i></p>	<p>T17</p> <p>Laboratory Stewardship: Taking the First Steps to Downstream Savings</p> <p><i>Andrew Fletcher</i></p>	<p>T18</p> <p>Resume Writing 101: Highlighting Yourself to Get Your Foot in the Door</p> <p><i>Meighan Sharp</i></p>	<p>T19</p> <p>HLA antibodies in Organ Transplant Rejection and Platelet Refractoriness</p> <p><i>Hemant Parekh</i></p>
12:00 – 1:30	Luncheon & Visit Vendors			OABB Membership Meeting & Lunch	
1:30 – 2:30	<p>T20</p> <p>Validation of Laboratory Developed Tests for Patient Care</p> <p><i>Sihe Wang</i></p>	<p>T21</p> <p>The Mixed Lymphocyte Reaction: Clinical and Discovery Applications</p> <p><i>Dan Follas</i></p>	<p>T22</p> <p>Opportunities in the Treatment of Iron Deficiency and Iron Deficiency Anemia</p> <p><i>Barbara Steel</i></p>	<p>T23</p> <p>Interprofessional Education: No Budget, No Problem!</p> <p><i>Lisa Walden</i></p>	<p>T24</p> <p>Building Trust: The Who, What, and Whys of Improved Relationships and Team Outcomes</p> <p><i>Patty Eschliman</i></p>
2:45 – 3:45	<p>T25</p> <p>One Reason Your BMI Matters - NAFLD and NASH Could be Lurking at Your Door</p> <p><i>Suzanne Fischer & Davina Lewis</i></p>	<p>T26</p> <p>Evaluating Historic Result Trends to Determine the Way Forward</p> <p><i>Danyel Tacker</i></p>	<p>T27</p> <p>Blood, Blueberry Muffins and a Baby</p> <p><i>NurJehan Quraishy</i></p>	<p>T28</p> <p>Implementing Lab Automation-Successes and Opportunities</p> <p><i>Chris Nare</i></p>	<p>T29</p> <p>Current Concepts in Hepatitis Testing</p> <p><i>Qian Ding</i></p>
3:45 - 4:00	Refreshment Break/Visit Vendors				
4:00 – 5:00	<p>T30</p> <p>Short Sessions (aka Hot Topics)</p> <p><i>(see session abstracts)</i></p>	<p>T31</p> <p>Assessing Cardiovascular Risk Through Inflammation Testing</p> <p><i>David DeSantis</i></p>	<p>T32</p> <p>The American Board of Pathology and Maintenance of Certification</p> <p><i>Rosanne Kelley</i></p>	<p>T33</p> <p>Pre-analytical Factors Affect Everything from Quality to Patient Experience</p> <p><i>Len Dunikoski</i></p>	
5:00 – 7:00	Vendor Reception and Poster Presentations				

2018 Ohio Collaborative Laboratory Conference Friday, April 6th

8:00 – 3:00	Registration			
8:00 – 8:30	Continental Breakfast/Networking			F34
8:30 – 9:30	F35 Susceptibility Testing: The Present and the Future <i>Kevin Harvey</i>	F36 EBV and its Link to Cancer <i>Samir Kahwash</i>	F37 Applications of Molecular Typing for Red Cell Antigens <i>Suneeti Sapatnekar</i>	ASCLS-Ohio Member Business Meeting 8:00 – 9:30
9:30 – 9:45	Refreshment Break/Visit Vendors			
9:45 – 10:45	F38 Are You Using Your Safety Eyes? <i>Dan Scungio</i>	F39 Movin' on up - How to Set Yourself Apart in a Crowded Lab <i>Anna Bort & Stacy Arsenault</i>	F40 TSHR Antibodies in Diagnosis/Monitoring of Graves' Disease <i>Manjula Gupta</i>	F41 The Transition From Culture to Molecular Methods in Microbiology: What We All Need to Know <i>Joel Mortensen</i>
10:45 – 12:30	Vendor Exhibits (10:45 – Noon)		Lunch (11:30 – 12:30)	
12:30 – 1:30	F42 What is Tissue Donation? <i>Nicole Jackson</i>	F43 The Effects of Hemolysis on Specimen Testing <i>Beth Warning</i>	F44 Don't Release Those Results! Common Erroneous Lab Results in Chemistry <i>Chad Guilliams</i>	F45 Lab Waste Management from A to Z <i>Dan Scungio</i>
1:45 – 2:45	F46 CD4 (T4) T Cell Subsets - New Kids on the Block <i>Lynne Williams</i>	F47 Laboratory Investigation and Diagnosis of Anemia <i>Jaime Noguez</i>	F48 Generalist Blood Banking - the Simple to the Sublime <i>Jayanna Slayten</i>	F49 Preparing for the BOC Exam <i>Erin Rumpke</i>
2:45 – 3:00	Refreshment Break			
3:00 – 4:00	F50 Thromboelastometry - What Is It and How Is It Used in Transfusion Medicine <i>Kathy Nicol</i>	F51 The Placenta - Diary of a Pregnancy <i>Anna Hughes</i>	F52 The Utility of Molecular Testing in Lung Non-small Cell Carcinoma <i>Rongqin Ren</i>	
2:45 – 5:00	Academic Challenge & Student Mixer			

Session Abstracts

The "level of instruction" is designated as Basic (B), Intermediate (I) or Advanced (A) following the session description.

W1 Pediatric Drug Testing—New Approaches to Old Challenges

Amy Pyle-Eilola, PhD

Assistant Director Core Laboratory
Nationwide Children's Hospital

Immunoassay drug screens are commonly used for their convenience. However these report qualitative results based on quantitative cut-offs designed for work place testing and their use in a medical setting may be inappropriate. Detection of drug exposure, even at low concentrations, is critical in pediatrics to guide treatment. This session discusses novel approaches in addressing these issues. (B)

W2 Go with The Flow: Flow cytometry for the Diagnosis of Lymphoproliferative Disorders

Rose Beck, PhD

Staff Physician, Assistant Professor
University Hospitals of Cleveland; CWRU
School of Medicine

Flow cytometry is a highly sensitive and specific technique for detecting atypical lymphoid populations. This presentation will include clinical flow cytometry basics and a discussion of its usefulness for the diagnosis of lymphoid leukemias and lymphoma, with specific case examples. Disease-specific markers, methods for detecting clonal lymphoid populations, and diagnostic pitfalls will be discussed. (I)

W3 DTT's DARA Dilemma

Wendy Disbro, MLS, SBB

Blood Bank Business Manager
Immucor

There is significant need to establish antigen stability of DTT (Dithiothreitol)-treated RBCs to support laboratory efficiency. Antibody workups on patients taking DARA (Daratumumab) are becoming more common in Immunohematology Reference Laboratories. These are time-consuming procedures, requiring advanced technical skills. Some transfusion services are bringing this work in-house. This session will discuss documented stability of DTT-treated RBCs stored in Alsever's solution for 14 days. (A)

W4 Coagulation in the Clinical Laboratory: Beyond the PT, PTT

Rae Kerlin, BS

Manager
Ohio State University Wexner Medical
Center, Critical Care Laboratory

This presentation will focus on the demands of coagulation testing in the clinical lab as well as the influence of anticoagulants and other new medications on testing. It will introduce some of the more common hemostatic disorders/syndromes and provide resources for laboratory quality improvement. (I)

W5 Project Management 101

Cyndi Condrey, BS

IT System Project Manager
Community Blood Center/Community
Tissue Services

In today's competitive laboratory environment, the use of advancing technology and the effective implementation of project management concepts have become essential in creating high quality results while keeping cost low. In this presentation, we will describe key project management concepts, review current project planning tools, and develop a basic project management plan. (B)

W6 Biological Risk Assessment in Clinical Laboratories

Tammy Bannerman, PhD

Clinical Associate Professor
The Ohio State University

A culture of biosafety is necessary to prevent inadvertent exposure of laboratory personnel, public, and environment to potentially hazardous biological material. The completion of biological risk assessment is an important step towards developing a culture of biosafety. This presentation will provide basic information related to biosafety and aspects of a biological risk assessment. (B)

W7 Introduction to modern mass spectrometry and separation techniques

Patrick DeArmond, PhD

Senior Research Scientist
Nationwide Children's Hospital

Mass spectrometry is beginning to occupy a larger footprint in the clinical laboratory, yet many still find these instruments intimidating or consider them "black boxes". This presentation will cover the basics of this powerful technique and will discuss its application to the clinical laboratory. (I)

W8 Hematology Case Studies: Every Picture Tells a Story

Jill Crist, BS

Senior Field Product Specialist
Sysmex America

An overview of abnormal Hematology case studies, focusing on scattergrams and histograms in addition to the data. Discussion on reportable Advanced Clinical Parameters and how they can provide additional clinical information to Physicians, while being beneficial to patient and Hematology workflow efficiency as well. (I)

W9 Addressing the CAP Blood Culture Volume Requirement - A transdisciplinary Approach to Improve Patient Care

Stella Antonara, PhD

Assistant Director of Microbiology and
Immunoserology
Nationwide Children's Hospital

Despite the implementation of innovative laboratory technologies, using test results to optimally support patient care is not always (if ever) a straight-forward science. Laboratorians can learn how to take advantage of available information via data mining, and to communicate important data with clinical teams. (I)

Session Abstracts

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T10 Establishing a Next Generation Sequencing Program in a CLIA Lab

Erik Zmuda, PhD

Clinical Laboratory Director
Nationwide Children's Hospital Institute for Genomic Medicine

This presentation will provide an overview to the NGS testing platform, address why the technology is important to clinical diagnostics, and summarize the experience/lessons learned to date from implementing a clinical NGS program at Nationwide Children's Hospital. (I)

T11 HIV Diagnostics: Past, Present and Future

Vincent Ricchiuti, PhD

Laboratory Director
LabCorp Dublin Ohio

Since the 2014 HIV Laboratory Testing Algorithm was released, several HIV diagnostic tests have been approved by the FDA. One such test is the Geenius™ HIV1/2 Supplemental Assay that produces results that were not generated by the previously available HIV-1/HIV-2 differentiation test, Multi-spot HIV-1/2. A second update is forthcoming to address changes introduced by the BioPlex 2200 HIV Ag-Ab assay. The reporting language is suggested for laboratories to use when reporting to healthcare providers and surveillance programs, but adjustments may be needed to meet individual facility or jurisdiction requirements. Major deviations should be considered carefully, because misinterpretation of HIV test results can have serious implications. (I)

T12 Management Tools for Analyzer Implementation Across a Multi-site Medical Center

Michelle Peddicord, BS

Clinical Laboratory Manager
The Ohio State University Wexner Medical Center

This presentation will describe the management process used to implement a new testing platform with thirteen instruments installed in five separate labs. Discussion will include decision making, planning, implementation, validation, go-live and a post-review of process. (B)

T13 The Value of Digital Pathology in Diagnostics and Cancer Research

Anil Parwani, MD, PhD, MBA

Director of Anatomical Pathology
The Ohio State University

Automated whole slide imaging (WSI) scanners are now rendering diagnostic quality, high-resolution images of entire glass slides and combining these images with innovative digital pathology tools that are making it possible to integrate imaging into all aspects of pathology reporting including anatomical, clinical and molecular pathology. This talk will focus on providing the attendees with practical information related to use of whole slide imaging applications, the current state of the technology and future directions. (B)

T14 Energy Leadership: How Quantum Physics Can Make You Healthy, Wealthy, and Wise

Patty Eschliman, MHA

Laboratory Manager
Saint Lukes South Hospital

As scientists we know that everything is Energy but did you know that each of us has 7 distinct levels of Energy that we use throughout each interaction that can determine how successful we are both in our professional and personal relationships? Are you resonating at a level 1, in victim mode, or have you tapped into level 7, pure joy and synthesis? By attending this fun and engaging presentation, you will learn how to use each of the 7 levels of Energy, not only so that you can become the driver of your own success but also so you can recognize and influence the Energy of others. Step into your true leadership power by harnessing the power of Energy! You too can be more healthy, wealthy, and wise! (B)

T15 Magic Markers: PD-1 and PD-L1

Suzanne Fischer, BS

Senior Manager Special Chemistry
Covance Central Laboratory Services

Davina Lewis, PhD

Sr. Manager, Anatomic Pathology and Histology
Covance Central Laboratory Services

PD-L1 has recently been announced in

Pharma advertisements related to Keytura and Opdivo - two drugs that have extended the life of patients with NSCLC. Specialized laboratory testing for this biomarker will be explained along with how the biomarker works. The work done in clinical trials will be presented to demonstrate how these drugs came to market. (I)

T16 The Innate and Adaptive Immune Response: Many Tests to Decipher Immune Status

Steven Ressler, PhD

Director of Scientific Affairs
The Binding Site

The goal of the presentation is to provide an overview of the Immune System and understand how a cascade of cells and proteins orchestrate how our body responds to "non-self". In addition, the audience should understand why a physician is ordering tests of specific components of the immune system based on suspected disorders. (I)

T17 Laboratory Stewardship: Taking the First Steps to Down-stream Savings

Andrew Fletcher, MD

Medical Director Consultative Services
Associated Regional Utah Pathology (ARUP)

This presentation presents the rationale for why lab stewardship is important and outlines several strategies for implementing successful interventions to drive down-stream savings in a healthcare system. (I)

T18 Resume Writing 101: Highlighting Yourself to Get Your Foot in the Door

Meighan Sharp, MLS(ASCP)

Medical Technologist
McLaren Port Huron

Resume writing can be a daunting task, especially for a new grad. This presentation will give you tips and suggestions on how to make your resume stand out to prospective employers. (B)

Session Abstracts

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T19 HLA antibodies in Organ Transplant Rejection and Platelet Refractoriness

Hemant Parekh, PhD

Director
Clinical Histocompatibility Laboratory, Ohio State University Wexner Medical Center

The presentation will highlight the importance of HLA molecules in recognition of self and non-self and how this relates with development HLA alloantibodies and their importance in rejection of organ transplant as well refractoriness to platelet transfusion. Utility of several state-of-art assays will be discussed to identify deleterious HLA alloantibodies. (I)

T20 Validation of Laboratory Developed Tests for Patient Care

Sihe Wang, PhD

Section Head
Cleveland Clinic

This presentation will discuss regulation of laboratory developed tests (LDT). LDTs require more stringent validation than FDA cleared assay based on CLIA'88. A proposed validation theme will be presented based on CLIA'88, FDA guidelines, CLSI guidelines, and the experience of the presenter's institution. (I)

T21 The Mixed Lymphocyte Reaction: Clinical and Discovery Applications

Dan Follas, MS

CEO
Xeno Diagnostics, LLC

The mixed lymphocyte reaction (MLR) is a method to interrogate the immunoreactivity of cell populations. MLR basics describing how the assay is performed with examples of applications in transplantation and drug development will be presented. Variations in performing the MLR which combine flow cytometry and cytokine analysis to increase the amount of information derived from an experiment will be discussed. (B)

T22 Opportunities in the Treatment of Iron Deficiency and Iron Deficiency Anemia

Barbara Steel, MD

System Medical Director of Blood Management
Premier Health

Recent evidence has shown that iron deficiency and iron deficiency anemia are strong risk factors for multiple adverse patient outcomes yet are frequently untreated. This program will discuss the available opportunities to improve patient care associated with the diagnosis and treatment of iron deficiency. (I)

T23 Interprofessional Education: No Budget, No Problem!

Lisa Walden, EdD

Assistant Professor and Director, Medical Laboratory Science Program
Ohio Northern University

Do you want to include interprofessional education in your MLS curriculum but have limited or no funds to do so? If so, this presentation is for you! Dr. Walden will discuss how the IPE steering committee at Ohio Northern University has utilized existing resources to create and grow an engaging IPE program. (B)

T24 Building Trust: The Who, What, and Whys of Improved Relationships and Team Outcomes

Patty Eschliman, MHA

Laboratory Manager
Saint Lukes South Hospital

We all know it and we can all feel it. Trust is the one thing that impacts all things. Whether you want improved working relationships, need to increase trust at home, or you need to build trust within a team, this presentation is for you! Filled with proven strategies on how to rebuild broken trust both in your own relationships and how to foster this skill in others, this presentation will leave you feeling inspired, hopeful, and driven towards success. (B)

T25 One Reason Your BMI Matters - NAFLD and NASH Could Be Lurking at Your Door

Suzanne Fischer, BS

Senior Manager Special Chemistry
Covance Central Laboratory Services

Davina Lewis, PhD

Sr. Manager, Anatomic Pathology and Histology
Covance Central Laboratory Services

A comprehensive explanation of NAFLD and NASH will be given. The specialty testing used to identify this will be presented. Steps for prevention will be given. (I)

T26 Evaluating Historic Result Trends to Determine the Way Forward

Danyel Tacker, PhD

Assoc Prof (Clinical), Director of Chemistry and Blood-Gas Labs
West Virginia University

Volume reports are only the tip of the iceberg when deciding to bring a test in-house. Using examples from projects in-progress at WVU, see how historical reporting data review and interactions with clinical users can help build a test more tailored to local use from the very beginning. (B)

T27 Blood, Blueberry Muffins and a Baby

NurJehan Quraishy, MD

Assistant Medical Director Transfusion Medicine
Cleveland Clinic

Hemolytic disease of the fetus and newborn (HDFN) may occur when the mother has a red cell antibody against a fetal red cell antigen. Through presentation of a case the audience will learn about the pathogenesis, diagnosis and management of HDFN including the blood bank's role in testing and provision of blood for intrauterine transfusions. (I)

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T28 Implementing Lab Automation - Successes and Opportunities

Chris Nare, BS

Associate Director - C.O.O.
Hoxworth Blood Center

Chris will share his experience from installing two track systems during his career. He has installed two track systems. The first was a Hematology Track while at Covance Central Labs and the second was a Blood Donor Testing track at Blood Bank of Delmarva in DE. Chris will discuss some of the challenges and benefits with implementing lab automation. (B)

T29 Current Concepts in Hepatitis Testing

Qian Ding MD, PhD

Scientific Affairs Manager
Ortho Clinical Diagnostics Inc.

Session provides attendees with an overview of laboratory tests used to aid physicians in the diagnosis of viral hepatitis. The speaker will also review the CDC Guidelines for hepatitis screening and touch on the differences in commercially available hepatitis C assays. (B)

T31 Assessing Cardiovascular Risk Through Inflammation Testing

David DeSantis, PhD

Manager of Educational Affairs, Cardiometabolic & Endocrinology Franchise
Quest Diagnostics

The scientifically-proven, peer-reviewed multi-marker approach of adding inflammation-specific tests to traditional lipid testing provides additional insight into an individual's cardiovascular risk. In addition, our approach measures risk across a spectrum, allowing for long-mid-, and near-term assessment. This enables healthcare providers to identify 'hidden risk' and treat more aggressively when appropriate. (B)

T32 The American Board of Pathology and Maintenance of Certification

Rosanne Kelley, MBA

Program Director, Regional Pathology Education
Cleveland Clinic

The American Board of Pathology (ABP) was established in 1936. Their mission

is to promote the field of pathology and the continuing competency of practicing pathologists. Since 2006, all primary and subspecialty certificates are required to be part of the Maintenance of Certification Program (MOC). We will explore the process of creating qualified Continuing Medical Education that meets the standards set by the ABP. (B)

T33 Pre-analytical Factors Affect Everything from Quality to Patient Experience

Len Dunikoski, PhD

Senior Medical Specialist/Trainer
BD

The actual testing performed in labs is closely monitored, but pre-analytical factors can sometimes be overlooked. Dr. Dunikoski focuses on 2 areas: Urine Testing (and how it can affect antibiotic stewardship and patient length of stay), and Pain Associated with Phlebotomy (which can affect patient satisfaction). Take a fresh look at two high-volume areas. (I)

T30 Hot Topics—Short Sessions

In this session, three topics will be presented (approximately 15 minutes each) with time for questions at the end.

Playing it S.A.F.E.: Accommodating Pediatric Phlebotomy Patients with Challenging Behaviors

Sarah Greenberg, MHA

Off Site Laboratory Manager
Nationwide Children's Hospital

An overview of our S.A.F.E. (Safe Area for Everyone) program which identifies patients requiring accommodations for blood collection. We have developed a program to mitigate the anxieties these patients feel when getting their blood drawn so that collecting samples is safer for both the patient and our staff and overall patient care is enhanced (B)

One Health Initiative Tackles Epizootic White Nose Syndrome

Marcia Lee, MS

Associate Professor
Miami University

'One Health' Initiative is a global, steadfast endeavor to collectively improve three intricately connected components, i.e., human health, non-human animal health and environmental health. Because the majority of emerging and re-emerging diseases are either zoonotic or vector-borne, they are strategically tackled by a One Health effort. Epizootics and the vital roles of laboratorians in One Health Initiative will be highlighted. (B)

Social Media Use, A Hiring Manager's Perspective

Laura Wetterer, BS

Phlebotomy Coordinator and Instructor
Health Sciences
Edison Community College

Open discussion on how managers can use social media to screen candidates, how anyone can best present one's personal brand on line and how to protect one's self from work related social media pitfalls. Personal experience with social media may be shared. (B)

Session Abstracts

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F34 ASCLS-Ohio Member Business Meeting

All members of ASCLS-Ohio are invited to attend this member business meeting. Not for PACE®.

F35 Susceptibility Testing: The Present and the Future

Kevin Harvey, BA
Technical Director
Laboratory Corporation of America

The program will be a discussion of current antimicrobial susceptibility testing protocols and challenges and will include information on the 2018 CLSI updates. Topics include a description of future technologies for determining the antimicrobial susceptibility results of bacterial isolates. (I)

F36 EBV and its Link to Cancer

Samir Kahwash, MD
Director, Hematology Lab Service
Nationwide Children's Hospital

The presentation will focus on pathologic changes caused by EBV infection and the increased risks of neoplastic processes in the host. (B)

F37 Applications of Molecular Typing for Red Cell Antigens

Suneeti Sapatnekar, MD
Staff Pathologist
Cleveland Clinic

The red cell phenotype can be helpful in the investigation and management of patients with red cell antibodies. Phenotype testing by serology is quick and simple, but has certain limitations. Molecular typing, which uses the genotype to predict the phenotype, overcomes some of these limitations. Moreover, in selected situations, molecular typing can add new information that is vital to transfusion management. This session will review the applications of molecular typing, including case studies of common transfusion problems. (I)

F38 Are You Using Your Safety Eyes?

Dan Scungio, BS
Lab Safety Officer/Lab Safety Consultant
Sentara Healthcare

What do you see as you walk through your laboratory? Are there any obvious safety violations? Look again- there are likely to be issues you did not see the first time! This presentation will teach you how to see those problems you may miss during your daily routine. By understanding the concept of Situational Awareness, participants will be able to use safety rounding tools to catch safety concerns and fix them. The scenarios and practice session will enable participants to develop their latent Safety Eyes super power and improve their lab safety culture. (I)

F39 Movin' On Up - How to Set Yourself Apart in a Crowded Lab

Stacy Arsenault, BS
Assistant Professor, Medical Laboratory Technology and Phlebotomy
Cuyahoga Community College

Anna Bort, AAS
Operations Manager
Fertility Solutions

Membership in professional societies can enhance your laboratory career in many ways but most people don't join. Why? This panel discussion reviews ways that society membership can positively impact your career and life from the point of view of different specialties. Impact the world around you beyond providing healthcare. Societies are way more than just networking. (B)

F40 TSHR Antibodies in Diagnosis/Monitoring of Graves' Disease

Manjula Gupta, PhD
Professor/Consultant Staff
Cleveland Clinic

TSH Receptor [TSHR] belongs to G-protein coupled receptors with large extracellular region responsible for antibody interaction to different epitopes.

This epitope specificity is reflected by the influence of TSHR autoantibodies [TRAbs] on TSH-receptor function. The heterogeneous nature of TRAbs-interaction with multiple epitopes on TSHR is well recognized. Measuring the TRAbs- subtypes [stimulating or blocking] has potential clinical implications. (I)

F41 The Transition from Culture to Molecular Methods in Microbiology: What We All Need to Know

Joel Mortensen, PhD
Director, Diagnostic Infectious Diseases Testing Laboratory
Cincinnati Children's Hospital

This session will remind us of the classical methods used in microbiology, touch on the techniques in use today and will introduce a vision where clinical microbiology will be in 5-10 years. (I)

F42 What is Tissue Donation?

Nicole Jackson, MBA
Director, Tissue Recovery
Community Blood Center/Community Tissue Services

A tissue bank provides a variety of biologic allograft solutions for physicians and their patients. The goal is to provide safe and efficacious allografts for patients in need of a life saving or life enhancing tissue transplant. All of this is possible thanks to the generosity of tissue donors. (B)

F43 The Effects of Hemolysis on Specimen Testing

Beth Warning, MS
Faculty, MLS Program
University of Cincinnati

Specimen rejection for hemolysis may be due to many factors, including pre-analytic variables as well as patient factors. This talk will review the impact hemolysis may have on patient results. (I)

Session Abstracts

The "level of instruction" is designated as Basic (B), Intermediate (I) or Advanced (A) following the session description.

**F44 Don't Release Those Results!
Common Erroneous Lab
Results in Chemistry**

Chad Guilliams, MS
Lecturer
University of Kentucky

This presentation covers some of the more common reasons for erroneous laboratory results in clinical chemistry and suggest some practical ideas for preventing unreliable results. (I)

**F45 Lab Waste Management from
A to Z**

Dan Scungio, BS
Lab Safety Officer/Lab Safety Consultant
Sentara Healthcare

Do you know your waste generator status? What is a waste manifest and who is responsible for it? How do I monitor my main accumulation area? These questions and more will be answered in this session designed to help you classify, handle, and track the many different waste streams in your laboratory, and it will ensure you are compliant with EPA hazardous waste regulations. (I)

**F46 CD4 (T4) T Cell Subsets - New
Kids on the Block**

Lynne Williams, PhD
Professor & Department Chair
Oakland University

Since the original recognition of the existence of functional subsets of helper T lymphocytes (Th1 and Th2) in the 1980s, the diversity and importance of CD4+ Th cells in the immune response has continued to expand. Today seven distinct CD4 T-cell subsets have been identified. This presentation will review what is known about these "new kids on the block" of immune defense, including the consequences of their abnormal activation. (I)

**F47 Laboratory Investigation
and Diagnosis of Anemia**

Jaime Noguez, BS
Assistant Medical Director of Chemistry
Laboratories
University Hospitals Cleveland Medical
Center

Anemia is the most common blood disorder worldwide and is recognized as a significant health care burden. Laboratory testing plays an important role in the diagnosis of anemia since the clinical diagnosis may not always be straightforward. This session provide an overview of the types, causes, laboratory diagnosis, and treatment of anemia. (I)

**F48 Generalist Blood Banking -
the Simple to the Sublime**

**Jayanna Slayten, MS, MT(ASCP),
SBB^{CM}**
Lab Safety Officer/Lab Safety Consultant
Indiana University Health

Using a case study approach, this presentation will explore troubleshooting blood bank challenges. The cases will include blood bank analyzer issues, ABO challenges for what type blood to give and platelet conundrums. (I)

F49 Preparing for the BOC Exam

Erin Rumpke, MS
Assistant Professor and Associate Program
Director
University of Cincinnati Medical Laboratory
Science Program

Preparing for the national certification examination can be a challenging task! This session will provide you with self assessment techniques, study strategies, and tools to design a successful study plan for the months prior to your exam date. (B)

**F50 Thromboelastometry - What Is
It and How Is It Used in
Transfusion Medicine**

Kathy Nicol, MD
Director of Transfusion Services & Vice
Chair of Clinical Laboratories
Nationwide Children's Hospital

Describe the principles of Thromboelastometry and how the varied testing options inform the clinicians and may optimize blood product transfusion. (B)

**F51 The Placenta - Diary of a
Pregnancy**

Anna Hughes, MS
Pathology Assistant
Nationwide Children's Hospital

This session will give a historical perspective and cultural practice with the placenta, give an overview of placental development and discuss clinical indications for pathology exam. The placental exam will be detailed and followed by case studies to demonstrate pathology findings. The talk will conclude with examples of new histology techniques that can be used for placental evaluations. (B)

**F52 The Utility of Molecular
Testing in Lung Non-small
Cell Carcinoma**

Rongqin Ren MD, PhD
Assistant Professor-Clinical
The Ohio State University Wexner Medical
Center

This presentation will discuss the common genetic alternations in lung non-small cell carcinoma, their roles in targeted therapies and tests used to detect these mutations. It will also include a brief description of the updated CAP guideline for molecular testing in these tumors. (I)

Continuing Education Credits

ASCLS-Ohio is an approved provider of continuing education programs by the American Society for Clinical Laboratory Science (ASCLS) P.A.C.E. ® Program. Attendees can earn up to 14 continuing education credits from the 51 educational sessions that are offered. A "Certificate of Attendance" will be available to print from ASCLS website for all sessions attended.

Special Events

Mix and Mingle Dinner

Wednesday, April 4, 5:00-7:00 PM: The 2018 Ohio Collaborative Laboratory Conference steering committee, co-chairs, and all members invite you to a social event to kick off this year's conference. This is an opportunity to catch up with friends and colleagues, make new ones, and relax before the conference swings into full gear on Thursday. Please be sure to check the Wednesday dinner option on your registration to join us. A ticket will be included in your full registration packet.

Poster Presentations

Thursday, April 5, 5:00—7:00 PM This inaugural Poster Session will offer opportunities to exchange ideas, and share and discuss specialties, projects, findings and interests with current and future laboratory professionals.

Student Academic Challenge

Friday, April 6, 2:45 – 5:00 PM The ASCLS Academic Challenge committee is looking for excited, enthusiastic MLT and MLS students to participate in the 13th Annual Academic Challenge (AKA: Student Bowl). To organize your team you will need three members and one or two alternates. Team members must be registered participants for the meeting in order to qualify being on a team. The deadline for registering your team is March 18th, so get your team organized, and come join students from all around the state for an afternoon of competition and educational fun. The registration form is on the CLC website.

Organization Meetings

Wednesday, April 4th 7:00-9:00 PM: ASCLS-OH Board of Directors Meeting

Wednesday, April 4th 7:00-9:00 PM: OABB Board of Directors Meeting

Thursday, April 5th 12:00-1:00 PM: OABB Annual Meeting of the Membership and Luncheon

Friday, April 6th 8:00-9:30 AM: ASCLS-Ohio Member Business Meeting

Charity Fundraiser



**RONALD MCDONALD
HOUSE CHARITIES**

Each year the Ohio CLC selects a local charity to support, as a way of giving back to our communities. The 2018 Ohio CLC is pleased to support the Ronald McDonald House Charities. Ronald McDonald House Charities is an American independent nonprofit organization whose stated mission is to create, fund, and support programs that directly improve the health and well-being of children. Our fundraising efforts will go towards supporting the Ronald McDonald Houses in Cleveland, Columbus and Cincinnati.

A list of in-demand items is posted on the Ohio CLC website. Attendees can bring these items to our donation table, located in the registration area. In addition, the Ohio CLC will be selling t-shirts, tote bags and magnets, with profits to be donated to the charity.

For more information on the Ronald McDonald House Charities, visit <https://www.rmhc.org/>

Industry Networking

Each year, a variety of companies help support the Ohio Collaborative Laboratory Conference. They play a significant role in sponsoring speakers, breaks, lunches and promotional materials, helping to make it possible for us to put on the caliber of conference we do each year.

The 2018 Ohio Collaborative Laboratory Conference will once again have many vendors present to share what is new in our field. In the exhibit areas, you will have the opportunity to talk to representatives from numerous companies. There will also be demonstration vans parked outside with some of the latest Chemistry, Hematology and Immunoassay instruments. Please take time during the conference to visit with our vendors and learn about new laboratory products, make great connections, and thank them for their support. The vendor exhibits are open **Thursday from 12pm - 7pm and Friday 9:30am - 12pm.**

We invite you to join us at our Vendor Reception, on **Thursday, April 5th from 5—7pm**, where you can have a cocktail and appetizers with our vendors and enjoy some networking.

2018 Participating Sponsors

Below is a list of our committed partners for the 2018 Ohio CLC, as of this publishing. Please see the Ohio CLC website for updated partners. A complete list of sponsors will be available in the onsite program.

- ◆ *Abbott*
- ◆ *Advanced Instruments*
- ◆ *American Proficiency Institute*
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Laboratory Services



Driving best outcomes in pediatric laboratory medicine.

Nationwide Children's Hospital Laboratory Services is one of the country's leading full-service pediatric reference laboratories, working closely with medical professionals throughout the United States and beyond. Our program is uniquely qualified to deliver impactful laboratory and pathology diagnostic services alongside expert pediatric consultation services.

We are the largest children's hospital and research facility in the nation, currently performing more than **2.7 million pediatric laboratory tests annually** for patients around the world. We are uniquely qualified to deliver the two things you want most from our reference laboratory – confidence and results.

As part of Nationwide Children's Hospital, we are more than a laboratory. We are creating the future of pediatric health care. Together, we are recognized for the quality of our results and ensure a continued commitment to you and your patients.

"Our clinical mission is to provide the highest quality clinical care to our patients and their families, and the highest quality services to our affiliated clinical staff. We are a leader in pediatric healthcare and seek continuous improvement in our services based on the best available evidence." – Kamran Badizadegan, MD Chief of Pathology and Laboratory Medicine

For more information about our services, call Laboratory Services at (614) 722-5477 or (800) 934-6575 or visit NationwideChildrens.org/Lab.

For information about career opportunities, call Nationwide Children's Human Resources at (614) 355-4111 or visit NationwideChildrens.org and click on "Find a Job".



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Tips and FAQs

Registering for the Conference

Attendees will register online at www.ohio-clc.com. Payments may be made by credit card (MasterCard, Visa and American Express). If needed, payments by check may be made (register online and select your payment method as “offline payment”). Checks should be made out to ASCLS-Ohio CLC and mailed to: ASCLS-Ohio CLC, c/o Lisa Kubit Palanca, 22334 Pinnacle Point, Strongsville, OH 44149. Checks must be mailed by March 26th or brought to conference.

Attention: Members of AACC, ASCLS, CLMA, OABB

When completing the conference registration, please select the appropriate member box(es) – and provide your member number for each. This will ensure that your status as a member of one (or more) of the collaboration organizations (AACC – Northeast Ohio Section, Ohio Valley Section, ASCLS-Ohio, CLMA–First Ohio, Six Rivers, or Western Lake Erie Chapter, OABB) is recognized and member registration fees will apply. Your current membership status in the organization(s) selected will be verified.

Continental Breakfast

Plan to join your colleagues at the complimentary Continental Breakfast on Thursday and Friday mornings from 8:00 am - 8:30 am. For those spending the night at the hotel, remember that two complimentary buffet breakfasts are included with your reservation (redeemable at the hotel’s restaurant).

Special Accommodations

If you have special needs that require accommodation, including any dietary restrictions (i.e.: vegetarian) or food allergies, please contact Ohio CLC at laboratory@ohio-clc.com. The deadline is March 26th for any special dietary requirements.

The organizing committees would like to thank you for your support!

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2018 Organizing Professional Societies

The logo for the American Association of Clinical Chemistry (AACC) features the letters "AACC" in a bold, red, serif font.

Better health through laboratory medicine.

With nearly 10,000 members, AACC is the largest international society of research oriented clinical laboratory professionals, physicians, research scientists and others in the field of clinical laboratory medicine. Founded in 1948, the society is headquartered in Washington, DC. AACC members come from a variety of employment settings: hospital labs (50%), industry (26%) and independent labs (24%). 30% of

the membership is international. 23 local area sections and 13 specialty divisions focus on laboratory medicine subspecialties such as Point of Care, Pediatric Maternal Fetal, and Molecular Diagnostics, to name a few. For information on AACC visit www.aacc.org.



ASCLS-Ohio

The American Society for Clinical
Laboratory Science - Ohio

Founded in 1933, ASCLS is made up of and governed by practitioners in clinical laboratory science. ASCLS-OH's mission is to promote the profession of clinical laboratory science in Ohio and provide beneficial services to those who practice it. Besides serving on the board of directors, committees or

scientific assemblies for ASCLS-OH, members may also choose to work with ASCLS national committees. All laboratorians are invited to become members of ASCLS e.g. clinical laboratory scientists, clinical laboratory technicians, histotechnologists, histotechnicians, generalist, specialists, managers/supervisors, phlebotomists and others. For more information on ASCLS-Ohio, please visit their website www.ascls-ohio.org. All ASCLS members including students are encouraged to join the ASCLS-Ohio leadership during the conference at the Board of Directors meeting on Wednesday, April 4 and the Member Business Meeting on Friday April 6.

The logo for the Clinical Laboratory Management Association (CLMA) features the letters "CLMA" in a bold, dark blue, serif font, with a stylized blue starburst graphic to the right.

CLINICAL LABORATORY MANAGEMENT ASSOCIATION

CLMA is an international organization whose membership is responsible for laboratories and clinical services in hospitals, healthcare networks, group practices and independent settings. The First Ohio, Western Lake Erie, and Six Rivers Chapters of CLMA are professional organizations dedicated to

excellence in clinical services; to enhancing professional, managerial and leadership skills; to promoting efficient, productive and high quality operations; and to advocate on behalf of quality patient care and chapter membership. These Chapters provides education, regulatory information and networking opportunities. CLMA provides e-mails with the latest regulatory updates and industry trends as well as newsletters and journals to its members. This organization is an invaluable asset for current and future laboratory leaders.

[First Ohio-CLMA](#) [Western Lake Erie- CLMA](#) [Six Rivers-CLMA](#)

**OHIO ASSOCIATION OF
BLOOD BANKS**

The Ohio Association of Blood Banks (OABB), founded in 1966, is a non-profit organization dedicated to providing safe blood products for all patients that require treatment. The OABB also provides continuing education opportunities to health professionals interested in the use of blood and blood

products. Our mission is to promote education, professional growth and technical expertise in Blood Banking and Transfusion Medicine and other related disciplines and to provide the highest standard of service and care to all of our customers including, but not limited to, patients, donors and peers. Membership is open to anyone interested in or working in the field of Blood Banking, Transfusion Medicine or other related disciplines. OABB offers three membership levels: Individual (Physician and Non-physician); Institutional (option to participate in wet sample program); Student (Laboratory Students and Medical Residents Free with a letter from instructor)

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