

**2019**

**Annual  
Spring  
Meeting**

**American Society for  
Clinical Laboratory  
Science-Pennsylvania**

**Pennsylvania State  
Society of  
American Medical  
Technologists**

**May 5-6, 2019**

**Red Lion Hotel  
Harrisburg Hershey  
Pennsylvania**

# 2019 Annual Spring Meeting

Welcome to the 84<sup>th</sup> Annual Meeting of the Pennsylvania affiliate of American Society for Clinical Laboratory Science and the Pennsylvania State Society of American Medical Technologists. All committees working on the Annual Meeting have put a great deal of effort into planning a comprehensive program for you. You will find within these pages the best continuing education and networking opportunities in the area.

We are excited to once again hold our meeting at the **Red Lion Hotel**, located at 4751 Lindle Road, Harrisburg, PA 17111. This venue allows us to provide state-of-the-art seminars in a comfortable and convenient setting that is conducive to learning. **A Light Breakfast and Buffet Lunch are included in your daily registration.**

This 2019 meeting is packed with 20 hours of PACE approved continuing education credits planned over the one-day meeting. The program is designed to meet the needs of laboratorians seeking to participate in the BOC Certification Maintenance Program. Vendor exhibits will also be part of the meeting. Plan to spend some time at the vendor tables and learn about the products and services they have to offer. **Several dedicated Exhibit times are back again this year.** A list of speaker sponsors can be found later in this program.

To stay up to date on everything ASCLS-PA, please visit us at our web site, "www.ascls-pa.org". We hope that the traditions of the past and the changes for the future will produce an enjoyable meeting for you.

## New this year will be the availability of online registration at ascls-pa.org

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### 2019 Annual Meeting Planning Committee

General Chair:	Nassouh Mourabet
Program Chair:	Joshua Cannon
Vendor Chair:	Travis Bicher
Registration Chair:	Sharon Strauss and Khadidja Derrouche
PACE Coordinator	Katie Franz

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## General Meeting Schedule

### Sunday, May 5, 2019

3:00 p.m. - 8:00 p.m.

ASCLS-PA Board of Directors Meeting / Annual Business Meeting & Dinner  
**Lancaster Suite**  
All ASCLS members are welcome!  
Non-Members interested in getting involved are also welcome!

### Monday, May 6, 2019:

7:30 a.m. - 8:30 a.m.  
8:30 a.m. - 10:45 a.m.  
10:45 a.m. - 11:15 a.m.  
11:15 a.m. - 12:15 p.m.  
12:15 p.m. - 1:15 p.m.  
1:15 p.m. - 2:15 p.m.  
2:15 p.m. - 2:45 p.m.  
2:45 p.m. - 3:45 p.m.

Registration and Dedicated Exhibit Time  
General Sessions (Check on site for actual rooms)  
Dedicated Exhibit Time  
General Sessions (Check on site for actual rooms)  
Buffet Lunch – **Dauphin Ballroom** and Dedicated Exhibit Time  
General Sessions (Check on site for actual rooms)  
Dedicated Exhibit Time  
General Sessions (Check on site for actual rooms)

10:00 a.m. - 12:00 p.m.

PASSAMT Business Meeting (All State Society AMT Members welcome)  
**Keystone Suite**

**P.A.C.E.® approval is pending for all sessions.**

**ASCLS-PA is an approved provider of C.E. programs by the ASCLS P.A.C.E.® Program**  
**The educational objectives for each session are printed on the session's evaluation sheet.**  
**The level of each session is INTERMEDIATE unless otherwise noted.**

Breakfast and Lunch is included in your daily registration. Breakfast will include a Continental Breakfast, served in the Pennsylvania Ballroom. Lunch will be a buffet, including a soup or salad, vegetarian/meat entrees, vegetables, dessert and beverage, served in the Dauphin Ballroom. Your registration packet will include a lunch ticket, which must be turned in. Advanced registration is strongly encouraged for planning purposes! Vendor exhibits will also be available for visitation throughout the day and during the lunch break as well as several dedicated Exhibit times. There will also be refreshments throughout the day.

## Meeting & Program Sponsorships

We are deeply grateful for the support provided by the following sponsors. A complete listing will be prominently posted during the meeting. We encourage all attendees to take time throughout the day to stop by at the table exhibits to gather information and see demonstrations of the latest technologies and laboratory services offered by our industry partners.

<b>ARUP Laboratories</b>	<b>Beckman Coulter</b>	<b>BioFire Diagnostics</b>
<b>Cepheid</b>	<b>Drucker Diagnostics</b>	<b>Geisinger</b>
<b>GenMark Diagnostics</b>	<b>Hologic</b>	<b>Instrumentation Laboratory</b>
<b>Luminex Corporation</b>	<b>Medline Industries</b>	<b>Ortho Clinical Diagnostics</b>
<b>Penn State Health</b>		<b>Singulex, Inc.</b>

**A Special Thanks to our Platinum Sponsors**

**Diagnostica Stago, Inc.**

**BD**

**Sebia USA**

# General Program

## 8:30-9:30 AM SESSIONS

### Session #1

#### **“A Breath of Fresh Air – Refreshing your knowledge of today’s ABG analysis”**

Melody Botterbusch, MT(ASCP)  
Clinical Instructor  
WellSpan York Hospital, York, PA

Session Code: \_\_\_\_\_

Blood gas technology has changed dramatically over the past decade. The current technology has reduced the input we have as technologists. This presentation is for the new to experienced technologist; aimed at refreshing your knowledge of today’s analyzer and the ABG results as they relate to a diagnosis.

### Session #2

#### **“The Effect of Exercise on Hemostasis”**

Marie E. Wood, EdD, MT(ASCP)  
Assistant Professor  
University of Delaware, Newark, DE

Session Code: \_\_\_\_\_

Regular physical activity provides many benefits to health. However, the physiologic changes occurring in the hemostatic system during and after exercise may create the risk of venous thromboembolism, particularly in athletes. Learn about the changes in platelet response, blood coagulation, and the fibrinolytic system of physically active individuals, as well as how to manage congenital bleeding disorders to reduce injuries in athletes.

### Session #3

#### **“US Tick-borne Diseases”**

Shafinaz Akhter, MD, PhD  
Assistant Clinical Professor, Medicine, Infectious Disease  
Hospital of the University of Pennsylvania, Philadelphia, PA

Session Code: \_\_\_\_\_

To provide a description of the epidemiology, diagnosis, clinical features, natural history, and treatment of the most common and emerging tick-borne diseases seen in the US, including: Lyme disease, anaplasmosis, ehrlichiosis, babesiosis, STARI, Powassan virus, *Rickettsia parkeri*, and tularemia.

### Session #4

#### **“Lessons from Tragedy: Emergency Preparedness Strategies for Transfusion Medicine”**

Gabriela Peterson, MHA, MLS(ASCP)<sup>CM</sup>  
Bone Marrow Processing Specialist  
Hospital of the University of Pennsylvania, Philadelphia, PA

Session Code: \_\_\_\_\_

This session will cover transfusion services’ role and response in recent mass casualty events. Misconceptions associated with mass casualty events and emergency preparedness will be explored. Blood management strategies for blood banks and blood suppliers will be discussed.

## 9:45-10:45 AM SESSIONS

### Session #5

#### **“Polycystic Ovary Syndrome (PCOS): Updates in Diagnosis and Management”**

Olajumoke Oladipo, MD, DABCC, FAACC  
Assistant Professor of Pathology  
Pennsylvania State University/Penn State Hershey Medical Center, Hershey, PA

Session Code: \_\_\_\_\_

Polycystic Ovary Syndrome (PCOS) is a very common endocrine disorder that affects ~10% of women of childbearing age. It is a common cause of infertility but is under-diagnosed or diagnosed late. The session will give an overview of polycystic ovary syndrome, clinical features, epidemiology, laboratory diagnosis and recent guidelines for the diagnosis and management.

### Session #6

#### **“CAR-T cells for Immunotherapy in Cancer”**

Michael H. Creer, MD  
Professor of Pathology, Director of Clinical Laboratories and CP Division Chief  
Penn State University Hershey Medical Center, Hershey, PA

Session Code: \_\_\_\_\_

Chimeric antigen receptor T cells (CAR-T cells) are genetically engineered T cells with chimeric surface membrane proteins that combine both antigen-binding and T-cell activating functions to give T lymphocytes the ability to recognize tumor-specific proteins and destroy cancer cells. Autologous CAR-T cells are generated by introducing the gene encoding the tumor-specific CAR into peripheral blood T-cells from cancer patients. The CAR-T cells are then infused back into the patient to activate the immune system to selectively target cancer cells without injuring normal tissue cells.

**Session #7**

Session Code: \_\_\_\_\_

**“DCLS: Providing Quality & Value Improvement in Clinical Laboratory Services Delivery”**Nadine A. Fydryszewski, PhD, MLS(ASCP)<sup>CM</sup>

Professor and Vice Chair, Dept. of Clinical Laboratory and Medical Imaging Sciences

Program Director, Doctorate in Clinical Laboratory Science (DCLS)

Rutgers University, Newark, NJ

As interprofessional healthcare team members, the DCLS contributes by providing consultation to assure quality & value improvement in utilization of laboratory services. Consultation occurs in a variety of setting as describes in the Diagnostics Consultation Model ©. Case examples will demonstrate the value of the DCLS consult to quality patient care, safety and laboratory utilization.

**Session #8**

Session Code: \_\_\_\_\_

**“Whole Blood in Trauma Resuscitation: Who, What, Where, When, Why, How”**

Alexis Peedin, MD

Assistant Professor

Thomas Jefferson University Hospital, Philadelphia, PA

Early resuscitation of massively hemorrhaging trauma patients is increasingly involving transfusion of whole blood at many trauma centers in the country. This lecture will discuss AABB requirements concerning the use of whole blood in trauma resuscitation. One institution's experience instituting a whole blood program will also be discussed.

**11:15 AM-12:15 PM SESSIONS****Session #9**

Session Code: \_\_\_\_\_

**“The Cost of Quality: Preanalytical Examples”\***

Leonard Dunikoski, PhD, DABCC

Clinical Consultant

BD Biosciences, Franklin Lakes, NJ

**\*THIS SESSION IS SPONSORED BY BD**

Lab staff must be prepared to give Value Analysis Teams specific, quantifiable proposals for overall cost savings that can be achieved by using higher-cost lab supplies/equipment. Both “hard costs” and “soft costs” should be considered, as well as using non-lab allies on the VAT to bolster the lab's credibility.

**Session #10**

Session Code: \_\_\_\_\_

**“MDS or not MDS? That is the Question.”**

Kristin Hunt Karner, MD

Assistant Professor

University of Utah, ARUP Laboratories, Salt Lake City, UT

Participants will become familiar with a variety of non-neoplastic diseases and conditions that can mimic myelodysplastic syndrome. Participants will also learn about the role that molecular studies can play in aiding the work-up and diagnosis of bone marrow biopsies performed for peripheral blood cytopenias.

**Session #11**

Session Code: \_\_\_\_\_

**“Would Cultures... Lab Decisions and Clinical Interpretation”**

David W. Craft, PhD, D(ABMM)

Professor of Pathology; Medical Director of Microbiology

Penn State Milton S. Hershey Medical Center and College of Medicine, Hershey, PA

This session explores the protocols for wound cultures in the clinical microbiology laboratory and the implications of the culture reports in the electronic medical record.

**Session #12**

Session Code: \_\_\_\_\_

**“The Trend to Prehospital Transfusions in Trauma”**

Joy Gould, BB(ASCP)C, SBB, CQIA(ASQ), CPHQ

Transfusion Medicine Supervisor

Thomas Jefferson University Hospital, Philadelphia, PA

Prehospital transfusion programs are becoming increasingly more common especially for trauma centers. Blood in different forms are finding its way to emergency transport systems providing transfusion closer to the field in an effort to improve hemorrhagic control and increase survival in the severely injured patient.

## **1:15 -2:15 PM SESSIONS**

### **Session #13**

#### **“Next Generation HbA1C”\***

Debbie Winkfield, MT(ASCP)  
Account Manager  
Sebia USA, VA

**\*THIS SESSION IS SPONSORED BY SEBIA**

**Session Code:** \_\_\_\_\_

This session will present information on the clear cut and precise, fully automated Capillary Electrophoresis for HbA1C. We will discuss current technologies as compared to Capillary Electrophoresis and the impact the result can have on your patient.

### **Session #14**

#### **“Employee Engagement at the Workplace – Why?”**

Vipul Shah, MBA, MLS(ASCP)<sup>CM</sup>, DLM(ASCP)<sup>CM</sup>

Clinical Labs, Division Manager  
Children’s Hospital of Philadelphia, Philadelphia, PA

This session is about the importance of employee engagement during the era of the most diversified workforce than ever before. The speaker will go over the strategies to attract the young talent as more and more baby boomers retire.

### **Session #15**

#### **“Containing the Spread of Multidrug-Resistant Organisms”**

Benjamin von Bredow, PhD  
Postdoctoral Scholar - Microbiology  
Pennsylvania State College of Medicine, Hershey, PA

**Session Code:** \_\_\_\_\_

Multidrug-resistant organisms pose a serious threat to public health. The clinical microbiology laboratory has an important role in limiting the spread of these organisms by rapidly identifying organisms of concern, providing expertise and guidance for an effective response when these organisms are identified, and promoting good antimicrobial stewardship.

### **Session #16**

#### **“The Identification and Clinical Significance of Anti-G”**

Ian M. Harrold, MD  
Resident Physician, Department of Pathology and Laboratory Medicine  
Pennsylvania State Hershey Medical Center

**Session Code:** \_\_\_\_\_

This session will focus on the uncommon antibody anti-G. The clinical significance of this antibody will be discussed based off of a case study. The importance of identification and the techniques used to identify anti-G will be presented.

## **2:45 -3:45 PM SESSIONS**

### **Session #17**

#### **“When Urine Glucose is “Normal” and Other Urine Oddities”**

Mary Ann McLane  
Professor Emeritus  
University of Delaware, Newark, DE

**Session Code:** \_\_\_\_\_

Urine testing is both convenient and very informative. This seminar will explore the newest uses of urine as a diagnostic fluid which go far beyond the reagent strips of routine urinalysis.

### **Session #18**

#### **“More than a CBC, What do the Newer Parameters Mean?”**

Catherine Otto, PhD, MBA, MLS(ASCP)<sup>CM</sup>, SH<sup>CM</sup>, DLM<sup>CM</sup>  
Associate Professor & Program Director  
Rutgers, The State University of New Jersey, Newark, NJ

**Session Code:** \_\_\_\_\_

Modern hematology analyzers are capable of more than enumerating red cells, white cells, and platelets. This session will discuss the value of new parameters to evaluate platelets and reticulocytes.

**Session #19**

Session Code: \_\_\_\_\_

**“Changing Landscape of Women’s Health Diagnostics for Vaginitis, STIs, and GBS”**

Molly Broache, BSN, MSN, WHNP  
Medical Science Liaison  
Becton, Dickinson and Company (BD)  
**\*THIS SESSION IS SPONSORED BY BD**

I will take the participants through a background on the clinical significance of vaginitis, GBS, and STIs, including information on a description of the disease state, prevalence, and downstream health consequences of untreated/improperly treated infections. I will then go over some of the traditionally accepted methods for diagnosis of these conditions. Finally, I will review some newer, more sensitive methods for diagnosis of these infections. For both the current/traditional methods and newer methods, I will review both strengths and weaknesses of these tools.

**Session #20**

Session Code: \_\_\_\_\_

**“Patient Blood Management Challenges: Are there Alternatives to Transfusion?”**

Diana McGregor, BSMT(ASCP)SBB  
Transfusion Medicine Coordinator and Hematology Technical Specialist  
Crozer Prospect Medical Holdings, Upland, PA

Blood Management is not only a large financial focus for organizations but has both direct and indirect impact on patient outcomes. Interdisciplinary teams along with active Transfusion Committee champions struggle developing best practices that are cost effective, sustainable with time and measurable. Various Tools will be investigated to assist making informed Transfusion decisions.

