2017 Annual Spring Meeting

American Society for Clinical Laboratory Science-Pennsylvania

Pennsylvania State Society of American Medical Technologists

May 7-8, 2017

DoubleTree Hotel Plymouth Meeting Pennsylvania
2017 Annual Spring Meeting

Welcome to the 82nd Annual Meeting of the Pennsylvania affiliate of American Society for Clinical Laboratory Science and the Pennsylvania State Society of American Medical Technologists. ASCLS-PA and PASSAMT are pleased to offer special registration rates to members. Member registration rates have stayed the same as 2012 prices – a best buy! Treat yourself! 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. You will once again be able to charge your registration for the meeting on your credit card. Simply fill in the necessary information on the registration form.

We are excited to once again hold our meeting at the DoubleTree Hotel and Suites, located at 640 Fountain Road, Plymouth Meeting, PA. 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 2017 meeting is a BEST BUY with 20 hours of PACE approved continuing education credits planned over the one-day meeting. The program was 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 new this year. A list of speaker sponsors can be found later in this program.

For more information about the annual meeting, 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.

2017 Annual Meeting Planning Committee

<table>
<thead>
<tr>
<th>General Chair:</th>
<th>Scott Aikey</th>
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<tr>
<td>Program Chair:</td>
<td>Jean Buchenhorst</td>
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<tr>
<td>Vendor Chair:</td>
<td>Michelle Nguyen</td>
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<tr>
<td>Registration Chair:</td>
<td>Sharon Strauss</td>
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<tr>
<td>PACE Coordinator:</td>
<td>Katie Franz</td>
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Program Committee: Joshua Cannon, Marianne Downes
Sharon Strauss, Katie Franz
Gabriela Peterson

Important Contacts, Dates, and Phone Numbers

- General Information or Questions about Registering for the Annual Meeting:
  - Phone: 610-207-1197
  - Internet: www.ascls-pa.org
  - E-mail: ssstra610@aol.com

- Advance Registration Deadline: Registrations must be postmarked no later than May 1, 2017 to receive advance registration rates.

- Hotel Reservations: There is no reserved block of hotel rooms for this meeting. Call the number below if you need to make a reservation to stay at the hotel.

- Hotel Questions: DoubleTree Hotel and Suites
  - Phone: 610-834-8300
  - Address: 640 Fountain Road, Plymouth Meeting, PA 19462
  - Email: DoubleTree Hotel and Suites

Registration Information

Before completing the registration form, please read all of these instructions carefully.

1. Please type or print legibly all information. One person per application. Registration forms may be duplicated.
2. Telephone registrations will not be accepted. For registration questions, call 610-207-1197 or e-mail: ssstra610@aol.com
3. The member category applies to members of ASCLS and AMT. Membership will be verified.
4. Daily registration entitles the registrant to attend all non-fee functions for that day, including refreshment breaks and lunch. Note that it does not include dinner.
5. Hotel reservations are to be made directly with the DoubleTree Hotel, 610-834-8300.
6. Registration forms must be postmarked no later than May 1, 2017 to receive the advanced registration rates. Do not mail registration forms after May 1, 2017, but instead please register on-site.
7. No refunds will be honored if notification is received after May 1, 2017.
8. On the registration form, please circle the numbers that correspond to the sessions you plan to attend. Please note, this does not oblige you to attend a certain session, but is used for room size planning only.
General Meeting Schedule

**Sunday, May 7, 2017**
3:00 p.m. - 8:00 p.m.  
ASCLS-PA Board of Directors Meeting / Annual Business Meeting & Dinner  
**Chestnut A Room**  
All ASCLS members are welcome!  
Non-Members interested in getting involved are also welcome!  
Please contact Jean Buchenhorst, ASCLS-PA President  
(Jean.Buchenhorst@uphs.upenn.edu) by 5/1/17 if you plan to attend.

**Monday, May 8, 2017:**
7:30 a.m. - 8:30 a.m.  
Registration and Dedicated Exhibit Time
8:30 a.m. - 10:45 a.m.  
General Sessions (Check on site for actual rooms)
10:45 a.m. - 11:15 a.m.  
Dedicated Exhibit Time
11:15 a.m. - 12:15 p.m.  
General Sessions (Check on site for actual rooms)
12:15 p.m. - 1:15 p.m.  
Buffet Lunch – **Terrace Room** and Dedicated Exhibit Time
1:15 p.m. - 2:15 p.m.  
General Sessions (Check on site for actual rooms)
2:15 p.m. - 2:45 p.m.  
Dedicated Exhibit Time
2:45 p.m. - 3:45 p.m.  
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)  
**Spruce Room**

**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 and will be served in the Terrace Room. Breakfast will include a Continental Breakfast. Lunch will be a buffet, including a soup or salad, meat/fish/salad entrees, vegetables, dessert and beverage. 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. This list was compiled at press time, and omissions were not intentional. 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.

- **Advanced Instruments**
- **AUDIT MicroControls**
- **BioFire**
- **GenMark Diagnostics**
- **Medline Industries**
- **Sekisui Diagnostics**
- **ARUP Laboratories**
- **Becton Dickenson**
- **Cepheid**
- **Luminex Corporation**
- **Morrell Instrument Company**
General Program

8:30-9:30 AM SESSIONS

Session #1  CHESTNUT A ROOM
“Automated Approaches to Assuring Quality in the Clinical Laboratory”
Daniel Herman, MD, PhD
Pathology & Laboratory Medicine
Hospital of the University of Pennsylvania, Philadelphia PA

The volume and complexity of clinical laboratory testing necessitates a systematic quality control and quality assurance program. This program will discuss a variety of analytical strategies to assure high-quality testing and detect laboratory analytical errors, focusing on applications in clinical chemistry.

Session #2  CHESTNUT B ROOM
“Hemo-Chroma-What?! Increasing the Potential Blood Donor Pool”
Lisa M Shave, MLS(ASCP)CM SBB CM
Mercer County Community College MLT Program Coordinator
Blood Bank Medical Technologist, Pennsylvania Hospital, Philadelphia PA

This program will take a look at the past, present and future consensus of accepting Hereditary Hemochromatosis patients as potential blood donors. A brief description of the disorder itself will be explained and the current FDA guidelines for allowing blood centers to accept these patients will be presented.

Session #3  CHESTNUT C ROOM
“Taking a Bite out of Zika: Intersection of Public Health and Clinical Laboratories”
Ami S. Patel, Ph.D., MPH
Philadelphia Department of Public Health & Centers for Disease Control and Prevention
Philadelphia PA

The session will seek to introduce the role of clinical laboratories in disease reporting, surveillance, investigation, and control efforts through a general overview and specific case examples. In addition, the audience will receive an update regarding Zika virus epidemiology, diagnostics, and current associated public health activities.

Session #4  WALNUT B ROOM
“Bumps, Bruises, and Bleeds: Review of Coagulation and Thrombosis using Case Studies”
Amrom Obstfeld, MD PhD
Associate Director of Hematology and Coagulation Laboratories, Children’s Hospital of Philadelphia, Philadelphia PA
Assistant Professor of Clinical Pathology and Laboratory Medicine, University of Pennsylvania, Philadelphia PA

The coagulation and thrombosis cascade will be reviewed. Patient case studies and laboratory results will be utilized to demonstrate pathologies that result from inherited, familial or acquired coagulopathies. Routine coagulation testing, tests to monitor anti-thrombotic therapeutic regimens, tests to diagnose and monitor bleeding disorders, and tests to diagnose thrombosis will be discussed.

9:45-10:45 AM SESSIONS

Session #5  CHESTNUT A ROOM
“Laboratory Evaluation of the Intoxicated Patient”
Leslie Shaw, PhD
Professor of Pathology and Laboratory Medicine; Director of Clinical Toxicology
Hospital of the University of Pennsylvania, Philadelphia PA

A series of cases will be discussed to illustrate recommended laboratory approaches successfully used to address the question, “what is the toxin causing each patient's symptomatology?” The conclusion will focus on the “designer drug” epidemic sweeping across America: the drugs involved, sources and the laboratory role for these toxin scenarios.

Session #6  CHESTNUT B ROOM
“Function, Action and Interference of Anti-CD38 (DARA) Antibody in Blood Banking”
Joy Gould, BB(ASCP)C, SBB, CQIA(ASQ)CPHQ
Jefferson Health, Center City and Methodist Divisions
Jefferson University, Philadelphia PA

Multiple Myeloma is a cancer of plasma cells, a type of white blood cell normally responsible for producing antibodies. In previous years, the five-year survival rate was about 49%. Daratumumab (DARA; monoclonal anti-CD38) was approved Nov 2015 as a new and promising treatment of multiple myeloma. However, DARA can bind to CD38 on RBCs and cause positive indirect antiglobulin tests and some positive direct antiglobulin tests causing interference in blood bank testing. In order to transfuse appropriate red cells to these patients, mitigation strategies have been studied.
Session #7  CHESTNUT C ROOM

“From Base Pairs to Bedside: Practical Applications of Sequencing Technologies in the Clinical Microbiology Laboratory”
Erin H. Graf, Ph.D., D(ABMM)
Infectious Disease Diagnostics Laboratory, Department of Pathology and Laboratory Medicine
Children’s Hospital of Philadelphia, Philadelphia PA

This session will provide an overview of Sanger and Next-generation sequencing technologies. Participants will learn about applications of these technologies including direct-specimen sequencing for bacterial and fungal infections, advances in sequencing from formalin-fixed tissues, whole pathogen genome sequencing for outbreak investigation and metagenomic sequencing for unbiased pathogen detection.

Session #8  WALNUT B ROOM

“Scattergrams or Scatterbrains: Understanding Hematology Automation”
Christina Scott, MSHA, MLS(ASCP)
WellSpan Health

Basic automation technology in the major hematology instruments will be explored. This will be followed by a review of histograms and scattergrams. Finally, we will review case studies involving problem specimens and how they interfere with the histograms and/or scattergrams.

11:15 AM-12:15 PM SESSIONS

Session #9  CHESTNUT A ROOM

“Life in the Diabetes Belt”
Melody Botterbusch, MT(ASCP)
WellSpan Health

This session will include a review of Type 1 and 2 Diabetes Mellitus (DM), tools for diagnosing and management, as well as a review of the actions of insulin. Case studies related to DKA will be presented, as well as a discussion of new medications used to manage blood glucose in a patient with DM.

Session #10  CHESTNUT B ROOM

“RHD Genotyping: Dealing with Discrepancies”
Trina Horn, MS, MLT(ASCP)SBBCM
American Red Cross, National Molecular Laboratory

This program will introduce the complexity of RhD variants, what is known about allo-immunization risk, the challenges of serologic typing for RhD, and present how molecular methods can be used to identify RhD variants. In addition application of molecular RhD genotyping to determine candidacy for Rh Immunoglobulin will be presented. Case studies will be used to illustrate the clinical utility of RhD genotyping.

Session #11  CHESTNUT C ROOM

“Hot Topics in Infectious Diseases”
Debra Powell, MD, MS, MT(ASCP)SM
Chief, Section of Infectious Diseases at the Reading Health System
Chief, Section of Infectious Diseases at Penn State Health St. Joseph

Discussion of current outbreaks including Zika virus in the Caribbean, Central and South America; Mycobacterium chimera from heater-cooler units during cardiac surgery and emerging multi-drug resistant Gram negative rods in the US

Session #12  WALNUT B ROOM

“From the CBC to the Manual Differential: Myelodysplastic Syndromes”
Joshua J. Cannon, MS, MLS(ASCP)CM
Thomas Jefferson University, Philadelphia PA

This session will give attendees a general overview of the myelodysplastic syndromes (MDS), including risk factors, epidemiology, pathophysiology, laboratory diagnosis, classification, treatment and prognosis. Special attention will be given to the role the hematology laboratory plays in the diagnosis of MDS, specifically CBC values and cellular morphologies in peripheral blood.

1:15 -2:15 PM SESSIONS

Session #13  CHESTNUT A ROOM

“Bringing Mass Spectrometry into the Clinical Laboratory”
Yusheng Zhu, Ph.D, DABCC, FACB
Medical Director, Clinical Chemistry; Co-Director, Pathology Core Reference Laboratory and ATL/SPA
Department of Pathology and Laboratory Medicine, Penn State University Hershey Medical Center, Hershey PA

This session will discuss the current and potential clinical laboratory applications of mass spectrometry. The session will include considerations before bringing mass spec into your laboratory as well as development and validation of MS assays.
Session #14  CHESTNUT B ROOM
“The Evolving Story of Bacterial Testing in Platelets”
Deborah Sesok-Pizzini, MD, MBA
Chief, Blood Bank and Transfusion Medicine
Children’s Hospital of Philadelphia, Philadelphia PA

Bacterial transmission is now the most common transfusion transmitted infectious disease. Newer technologies to test and inactivate bacteria will soon be required by FDA guidelines. This session will review these newer standards while looking back at the history behind the testing of bacteria in platelets in this country.

Session #15  CHESTNUT C ROOM
“Syndromic Testing with Emphasis on GI Disorders”
Debbie Glaab, RN, MSN, PCCNP, CPNP
Clinical Implementation Manager
BioFire Diagnostics
Sponsored by BioFire Diagnostics

This presentation will discuss the advances in PCR testing through syndromic testing and explore the specific pathogens that lead to GI stress. There will also be a discussion of the various clinical benefits that rapid diagnostics can have on patients with GI infectious diseases.

Session #16  WALNUT B ROOM
“Intro to Flow Cytometry: Finding Patterns in Hematopoietic Neoplasms”
Rosalie Stetz, MLS(ASCP)CM CCy
Flow Cytometry Lab Med Specialist
Hospital of the University of Pennsylvania, Philadelphia PA

An Introduction into the world of Flow Cytometry will be presented. An explanation of how a flow cytometer instrument works, different sample types that are run, and a look into the different fluorochromes used. Also, a description of leukocyte cell marker patterns used to help diagnose Leukemias and Lymphomas will be presented.

2:45 -3:45 PM SESSIONS
Session #17  CHESTNUT A ROOM
“Laboratory Genomics: Discoveries and Diagnoses”
Bryan Krock Ph.D., FACMG
Assistant Director, Division of Genomic Diagnostics
Assistant Professor, Department of Pathology and Laboratory Medicine
University of Pennsylvania, Philadelphia PA

This session will examine how recent advances in DNA sequencing technology have revolutionized the diagnosis and care of children with rare genetic diseases. Participants will learn about the challenges, clinical utility and cutting edge genetic discoveries borne from the clinical application of genomic diagnostics using case based examples.

Session #18  CHESTNUT B ROOM
Jennifer Slodysko, MS, MLS(ASCP)CM
Director, Medical Laboratory Science Program
Thomas Jefferson University, Philadelphia PA

This session will present an overview of the new rules and guidance from the FDA regarding blood and blood component donor eligibility and testing. An interpretation of the various FDA guidelines which have been issued and a description of their impact on the national blood supply will also be presented.

Session #19  CHESTNUT C ROOM
“Microbes on my Mind: Infectious Disease Cases from the Central Nervous System”
Laurel Glaser, MD, PhD, (D)ABMM
Assistant Professor of Clinical Pathology and Laboratory Medicine, University of Pennsylvania, Philadelphia PA
Assistant Director, Clinical Microbiology Laboratory, Hospital of the University of Pennsylvania, Philadelphia PA

This case based session will review common infectious agents seen in the central nervous systems. Each case will integrate the clinical history and pathology with the microbiology and other laboratory testing that ultimately confirmed the diagnosis. An emphasis will be placed on test characteristics and selection of appropriate diagnostics.

Session #20  WALNUT B ROOM
“The 2016 Revision of World Health Organization (WHO) Classification of Lymphoid Neoplasms – What is New in B-cell Lymphomas?”
Agata M. Bogusz, MD, Ph.D.
Assistant Professor of Pathology & Laboratory Medicine
Hospital of the University of Pennsylvania, Philadelphia PA

B-cell non-Hodgkin lymphomas will be reviewed including their typical morphology, flow cytometric findings, cytogentic studies and genomic studies. Special emphasis will be put on updates in the new WHO classification of B-cell lymphoid neoplasms. Laboratory testing utilized for diagnosis of B-cell lymphomas will be discussed.
Advance Registration - Deadline May 1, 2017

Important: Please read all of the registration instructions before completing. This form may be duplicated.

Name: __________________________________________

Preferred Mailing Address: ________________________________________________________

City: __________________ State: ______ Zip: ______ Day Phone: ________________________

Employer: __________________ Email: ____________________________________________

Professional Society Membership: □ ASCLS ________ □ AMT ________
(check all that apply and give membership number)

Monday, May 8

Member (see box above) 95.00*  *See Important Note Section Below
Non Member 140.00*
Student Member (see box above) 45.00*
Student Non Member 75.00*

Circle the appropriate day(s) to let us know when you plan to attend the meeting, and enter the total fee required

GRAND TOTAL (Please remit with check made payable to “ASCLS-PA”) ⇒⇒⇒⇒⇒⇒⇒⇒ TOTAL: _______

Mail completed registration form with appropriate fees to:
Scott Aikey
ASCLS-PA Treasurer
521 Mackin Drive
Cherry Hill NJ 08002

If you wish to charge your registration, please complete the following:

MC / VISA # ____________________________ Exp. Date: ________ Security Code (CVV): _______

Is this a corporate card? Yes / No

Name as it appears on the card: ____________________ Signature of Cardholder: __________________

Billing Address of Card (if different from above): ____________________________________________

Important Note: Please mail your completed form no later than May 1, 2017. Do not mail your registration after May 1, 2017, but register onsite. *Registration fees will increase by $25 for each category when you register on-site.

Please circle the numbers corresponding to the sessions you plan to attend (to be used for room size requirements only.)

1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20

** For registration questions, call 610-207-1197 or e-mail sstra610@aol.com

Checklist – DID YOU...

☐ Enclose Your Check made payable to ASCLS-PA or give your credit card information
☐ Circle the Sessions you plan to attend
☐ Send your completed Registration Form and your payment to Scott Aikey
☐ Please bring this copy of your program with you to the meeting