

2009
Annual
Spring
Meeting

American Society for
Clinical Laboratory
Science-Pennsylvania

Pennsylvania State
Society of
American Medical
Technologists

May 12 - 13, 2009

C. Ted Lick Wildwood
Conference Center,
Harrisburg Area
Community College
One HACC Drive
Harrisburg , PA 17110

www.hacc.edu

2009 Annual Spring Meeting

Welcome to the 73rd 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 and during the two days 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 **Mastercard, Visa or Discover**. Simply fill in the necessary information on the registration form.

As in 2007, we are excited to once again offer our meeting in the **C. Ted Lick Wildwood Conference Center**, located on the grounds of the Harrisburg Area Community College. This venue will allow us to provide state-of-the-art seminars in a setting which is more comfortable, convenient and conducive to learning and sharing than ever before. **Morning and after breaks, as well as lunch are included in the registration.**

There will be vendor exhibits during the meeting. Each registrant will also receive a carry-all bag packed with vendor information, describing the most up-to-date clinical laboratory resources available. Listing of sponsors can be found later in this program. Once again, "virtual job fair" information will be provided to all attendees. Information from various healthcare facilities regarding currently available positions at their institutions will be included.

For more information, please visit us at our web site, "<http://www.ascls-pa.org>" where you will find more information about this annual meeting. We hope that the traditions of the past and the changes for the future will produce an enjoyable meeting for you.

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2009 Annual Meeting Planning Committee

General Chair:	Ruth Negley	
Program Chair:	Mary Beth Miele	
Program Committee:	Katie Franz	Randi Bright
	Sharon Strauss	Sandy Neiman
	Michele Lachance	Sandy Toloczko
		Dee Dolan
Registration:	Sharon Strauss	Dee Dolan

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Important Contacts, Dates, and Phone Numbers

- General Information or Questions about Registering for the Annual Meeting:
Phone: 610-988-8273
Internet: www.ascls-pa.org
e-mail: ssstra610@aol.com
- Advance Registration Deadline: Registrations must be postmarked no later than **May 1, 2009** to receive advance registration rates.

Discounted hotel rates (including taxes) have been negotiated at the hotels listed below:

Days Inn North (2 miles from Conf. Ctr.)
3919 North Front St/I-81
Harrisburg, PA 17110
Rate: \$72.12/night (tax included)
Deadline to register for rate: **April 10**
Code: ASCL
Phone: 717-233-3100
www.daysinnharrisburg.com

Comfort Inn Riverfront (3.5 miles from Conf. Ctr.)
525 South Front Street (6 blocks from train station)
Harrisburg, PA 17104
Rate: \$77.69/night (tax included)
Deadline to register for rate: **April 26**
Code: ASCLS-PA
Phone: 717-233-1611
www.choicehotels.com/hotel/pa129

"Remember to bring this program with you to the meeting"

General Meeting Schedule

Monday, May 11, 2009

7:00 p.m. - 10:00 p.m.

ASCLS-PA Board of Directors Meeting / House of Delegates
All ASCLS-PA members are welcome to attend!
R.S.V.P. to Mary Gourley, ASCLS-PA President, by 5/5 if you plan to attend.

Tuesday, May 12, 2009:

7:30 a.m. - 5:00 p.m.

7:30 a.m. - 5:00 p.m.

8:30 a.m. - 11:45 a.m.

10:00 a.m. - 10:15 a.m.

11:45 a.m. - 1:00 p.m.

1:00 p.m. - 5:00 p.m.

2:00 p.m. - 2:15 p.m.

4:30 p.m. - 5:30 p.m.

5:30 p.m. - 7:30 p.m.

6:30 p.m. - 7:30 p.m.

7:30 p.m. - 11:00 p.m.

Registration / P.A.C.E. Validation (coffee/tea available at 7:30 AM)

Vendor Exhibits

General Sessions

Morning Break (attendees encouraged to visit vendor exhibits)

Lunch (Buffet Style Lunch will be available - ticket required, see below)

Attendees are encouraged to visit vendor exhibits during lunch break

General Sessions

Afternoon Break (attendees encouraged to visit vendor exhibits)

Networking Reception & Cash Bar

Networking Dinner (All attendees are invited to attend; ticket required, see page 4)

Dessert, Award presentations and Networking opportunities continue

PSSAMT Board of Directors Meeting

Wednesday, May 13, 2009:

7:30 a.m. - 5:00 p.m.

7:30 a.m. - 3:00 p.m.

8:30 a.m. - 11:45 a.m.

10:00 a.m. - 10:15 a.m.

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

11:45 a.m. - 1:00 p.m.

1:00 p.m. - 4:30 p.m.

2:00 p.m. - 2:15 p.m.

Registration / P.A.C.E. Validation (coffee/tea available at 7:30 AM)

Vendor Exhibits

General Sessions

Morning Break (attendees encouraged to visit vendor exhibits)

PSSAMT Business Meeting, all AMT members welcome to attend

Lunch (Buffet Style Lunch will be available - ticket required, see below)

Attendees are encouraged to visit vendor exhibits during lunch break

General Sessions

Afternoon Break (attendees encouraged to visit vendor exhibits)

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

AMTIE credits are also provided for all sessions.

The educational objectives for each session are printed on the session's evaluation sheet.

The level of each session is INTERMEDIATE unless otherwise noted.

Continuing education credit may be available for participating in the vendor exhibit. Look for the quiz in your registration packet and start asking questions!

Lunch as well as morning & afternoon breaks are included in your daily registration. Each day will feature a different set of buffet selections, including a soup, salad, meat/fish/salad entrees, vegetables, dessert and beverage. We invite you to visit vendor exhibits during the lunch and morning & afternoon breaks. If the luncheon line is long, consider visiting the exhibits first! Your registration packet will include a lunch ticket, which must be turned in. Limited luncheon tickets will be available on site, so **advanced registration is strongly encouraged!**

Meeting Sponsorships

We are deeply grateful for the support provided by the following sponsors. All attendees are encouraged to thank your local sales representatives for helping to make this meeting possible. This list was compiled at press time, and omissions were not intentional. A complete listing will be prominently posted during the meeting.

Abbott Diagnostics

ARUP Laboratories

American Society for Clinical Laboratory Science - PA

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BD Diagnostics

BD Diagnostics - GeneOhm

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Meridian Bioscience, Inc.

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Penn State Hershey Department of Pathology

Pennsylvania State Society of American Medical Technologists

Quest Diagnostics

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Sysmex America, Inc.

University of Delaware

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Special Events and Things to Note

Tuesday, May 12, 2009

Networking Reception

4:30 – 5:30 pm

Featuring hors d'oeuvres & cash bar followed by

Networking Dinner

5:30 – 7:30 pm

Including Award presentations during dessert starting at:

6:30 pm

Join your fellow Pennsylvania, Delaware, New Jersey, New York, West Virginia, and Maryland laboratory colleagues for an enjoyable dinner and critical networking opportunities. Advance purchase of ticket required. **Cost: \$35.00.** Please indicate your desire to purchase a ticket on the registration form and send the appropriate amount of money with your registration. A limited amount of dinner tickets will be available on-site. Buffet style dinner includes:

Entrees:

Apple and Brie Stuffed Chicken
Shrimp and Scallop Stir Fry
Roasted Vegetables with Tortellini

Also included:

Soup du jour, chilled crisp greens with dressings,
rice and vegetable, dinner rolls and butter, & dessert buffet,
regular and decaffeinated coffee, hot and iced teas

Breaks and Lunch

Your registration includes hot coffee and tea upon your arrival, snacks and drinks during breaks between sessions, and lunch for the day.

Virtual Job Fair

Information about jobs available throughout our area will be provided as a part of your registration packet. If your facility would like to participate in listing positions available at your institution, please have your Human Resources person and/or Laboratory Manager **contact Michele Lachance** at mlachance@hmc.psu.edu by Friday, May 1, 2009.

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MICROBIOLOGY

8:30 a.m. - 10:10 a.m.

Session #1

"Perspectives of Interferon Gamma Release Assays and Non-Tubercular Mycobacteria (NTMs)"

Hema Kapoor, MD, D(ABMM)
Technical Director, Infectious Diseases
Quest Diagnostics, Horsham, PA

Sponsored by: Quest Diagnostics

During this talk the audience will be taken through the newer techniques available for diagnosis of Latent TB and changes in the world of TB diagnosis with special reference to NTMs.

10:15 a.m. - 11:45 a.m.

Session #2

"Updates on Herpes Simplex and Cytomegalovirus Infections and Diagnosis"

Wallace Green, PhD, D(ABMM)
Scientific Director, Virology, Penn State Milton S Hershey Medical Center, Dept. of Pathology and Lab
Medicine, Hershey, PA

Sponsored by: ASCLS-PA

Clinical presentations and current diagnostic methods for detection of herpes simplex viruses and cytomegalovirus infections will be discussed.

1:00 p.m. - 2:00 p.m.

Session #3

"Campylobacteriosis and Campylobacter jejuni: An Old Disease with New Methods for Laboratory Diagnosis"

Paul A. Granato, PhD, D(ABMM), FAAM
Professor, Pathology & Microbiology, SUNY Upstate Med Univ, Syracuse, NY; Director of Clinical
Microbiology, Laboratory Alliance of Central New York, Liverpool, NY; Consultant Clinical Microbiologist, Centrex
Clinical Laboratories, Utica, NY

Sponsored by: Meridian Bioscience, Inc.

This presentation will review the historical emergence of Campylobacter jejuni as a human pathogen focusing on a discussion on the epidemiology and clinical presentations of disease and methods for establishing its laboratory diagnosis.

2:15 p.m. - 3:15 p.m.

Session #4

"Antimicrobial Resistance in Gram Negative Organisms"

Speaker to be determined

3:30 p.m. - 4:30 p.m.

Session #5

"Methods for Detection of Antimicrobial Resistance in Gram Positive Cocci"

Art Crist Jr., Ph.D.
Director, Clinical Microbiology, York Hospital, York, PA

Sponsored by: Siemens Healthcare Diagnostics

The Gram positive cocci, in particular Staphylococcus aureus, Enterococcus sp. and Streptococcus pneumoniae will be discussed in terms of the diseases they cause and their treatment. Emphasis will be placed on their development of resistance to antimicrobial chemotherapy, the mechanisms involved, and the laboratory methods required to detect them. Methods to be discussed include those used to detect methicillin resistance, inducible clindamycin resistance, and vancomycin resistance. Prevention and infection control measures will also be described.

CHEMISTRY

8:30 a.m. - 10:00 a.m.

Session #6

"Multiplexing Technology :What is it and what can it mean for the clinical laboratory?"

Ginger Weeden, CLS(NCA) MT(ASCP)
Product Manager, Bio-Rad Laboratories

Sponsored by: Bio-Rad Laboratories

Laboratories have been multiplexing to some degree for 25 years; we just didn't call it that! What is multiplexing technology? What is it being used for currently? What are the potential applications in the future? Examples of its current use in autoimmune disease and infectious disease testing will be presented, along with other testing panels in use and in development.

10:15 - 11:45 am

Session #7

"HDL: The Changing Paradigm"

Advanced Level

Mary Ann McLane, PhD, CLS(NCA)
Professor, Department of Medical Technology, University of Delaware, Newark DE

Sponsored by: University of Delaware

For the past 3 decades, the measure of HDL cholesterol levels has been a hallmark of cardiovascular risk assessment. It is now known, however, that not all HDL is actually "good cholesterol" and may, lead to increased risk of atherosclerosis. This seminar will summarize the latest biochemical information about HDL, the atherogenic properties of HDL and the status of lab measurements of this lipoprotein.

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CHEMISTRY

1:00 – 2:00 p.m.
Session #8

“Saving children's lives with metabolic diseases: Lessons learned from expanded newborn screening by tandem mass spectrometry” **Advanced Level**

Michael J. Bennett, PhD, DABCC, FRCPath, FACB
Professor of Pathology & Lab Medicine, University of Pennsylvania & Children's Hospital of Philadelphia, Philadelphia, PA

Sponsored by: PSSAMT

The evolution of the process resulting in expanded newborn screening will be presented. The methods involved in the process will be described along with global clinical outcomes resulting from the program. Some of the PA outcome experiences and unexpected outcomes will be discussed.

2:15 - 3:15 p.m.
Session #9

“eGFR – Latest Benchmark for Kidney Disease?”

Elissa Passiment, Ed.M., NCA(CLS)
Executive Vice President, American Society for Clinical Laboratory Science, Bethesda, MD

Sponsored by: ASCLS-PA

The electronic Glomerular Filtration Rate (eGFR) is a calculation developed to determine if a patient has kidney disease. The presentation will review the current staging of renal disease, the discussion that lead to this equation, how it is being used and the controversy surrounding the interpretation of the results, as well as the latest discussion of the use of this parameter. Since pharmacy groups and drug companies are lobbying in every state to mandate the reporting of the eGFR, laboratorians must be prepared for the implementation and the subsequent questions from care givers and patients alike..

3:30 p.m. – 4:30 p.m.
Session #10

“Cardiac Biomarkers in Heart Failure (HF) & Acute Coronary Syndrome (ACS)”

Monet Sayegh, MD, MS, BS, MT(ASCP), SH, CLS
Disease State Marketing, Consultant, Siemens Healthcare Diagnostics, Los Angeles, CA

Sponsored by: Siemens Healthcare Diagnostics

Cardiac biomarkers are critical to the proper triage and treatment of patients presenting with heart failure (HF) or acute coronary syndrome (ACS). This seminar reviews the current clinical utility of BNP, NT-proBNP, cardiac troponin, CKMB, and myoglobin, including both diagnostic and prognostic applications. Emerging cardiac biomarkers are also discussed. .

HEMATOLOGY

8:30 a.m. – 10:00 p.m.
Session #11

“Beyond the Routine CBC”

Barbara Burch MHA, MT (ASCP)
Disease State Marketing/ Consultant

Sponsored by: Sysmex America, Inc.

Advances in hematology technology has resulted in the development and FDA clearance of new hematology parameters such as Automated Immature Granulocyte quantitation, Immature Reticulocyte Fraction, and Immature Platelet Fraction. Reporting such parameters can not only provide more detailed patient information to the clinician, potentially hastening diagnoses and decisions about treatment, but their use can also reduce turn-around-times and manual differentials. This session will give background information, clinical use and provide case studies, which include scatter-plots, to show the use of these three new parameters in the clinical laboratory.

10:15 a.m. – 11:45 a.m.
Session #12

“Myelodysplastic Syndromes”

Michael G. Bayerl, MD
Assistant Professor, Medical Director, Hematopathology, Penn State Milton S Hershey Medical Center, Dept. of Pathology and Lab Medicine, Hershey, PA

This presentation will review the clinical and pathological features of the myelodysplastic syndromes, with particular emphasis on laboratory diagnosis and current (WHO 2000) classification

1:00 p.m. – 2:00 p.m.
Session #13

“Integrated Cases in Hematopathology”

Juanita Evans, MD
Penn State Milton S Hershey Medical Center, Dept. of Pathology and Lab Medicine, Hershey, PA

Sponsored by: ASCLS-PA

In this session several cases in hematopathology will be presented and will integrate histology, flow cytometry and molecular diagnostics results and how they impact diagnosis and treatment.

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HEMATOLOGY

2:15 p.m. – 3:15p.m.
Session #14

“Diagnosis and Monitoring of Leukemias using Flow Cytometry and Molecular Methods”

Steven Marionneau, MS, MT(ASCP)
Lab Manager, St. Vincent's Comprehensive Cancer Center, NY, NY; Instructor, NY Medical College & St. Vincent's School of Medical Technology; Adjunct Professor, UMDNJ.

Sponsored by: PSSAMT

This session will begin with a short discussion of hematopoietic cell surface markers (antigens) and DNA at the molecular level and their evaluation by flow cytometry and molecular tests. Then evaluation of chromosome number and structure by karyotyping will be reviewed. And finally, the application of these tests in the diagnosis, prognosis, and treatment of acute and chronic leukemias will be demonstrated through use of patient case studies.

3:30 p.m. – 4:30 p.m.
Session #15

“Heparin Monitoring”

Thomas P. Nifong, MD,
Medical Director, Hematology & Thrombosis; Molecular Diagnostics, Penn State Milton S Hershey Medical Center, Dept. of Pathology and Lab Medicine, Hershey, PA

Normal hemostasis is controlled by a balanced interaction between vascular, platelet, and coagulation systems. When this balance is perturbed it can result in thrombosis or bleeding. Heparin is often used as an anticoagulant to prevent thrombosis in patients undergoing surgical procedures. This presentation will emphasize heparin use and monitoring to decrease complications of both thrombosis and bleeding.

BLOOD BANKING

8:30 a.m. - 10:00 a.m.
Session # 16

“Blood Banking with Solid Phase Technology”

Steve Armstrong, MT (AMT), BB (ASCP)
Manager of Transfusion Services, Virginia Commonwealth University Medical Center, VA

Sponsored by: Immucor, Inc.

The presentation will focus on the Capture® Solid Phase Technology. In the presentation, a detailed explanation of the technology will be described. Both the manual and automated version of the technology will be outlined, including the use of the technology on the Galileo and Galileo Echo platforms.

10:15 a.m. – 11:45 a.m.
Session #17

“Changing Paradigms in Platelet Transfusion and Matched Platelet Support” **Advanced Level**

Ralph R. Vassallo, MD, FACP
Chief Medical Officer, American Red Cross Blood Services Heritage Division, Adjunct Associate Professor of Medicine, University of Pennsylvania School of Medicine
Philadelphia, PA

Sponsored by: ASCLS-PA

Despite clear decreases in HLA alloimmunization and platelet transfusion refractoriness from universal leukoreduction, sustained annual growth in platelet transfusions mandates a re-examination of our approach to this expensive therapy. A search for pre-transfusion alloantibodies, standard practice before RBC transfusion, has not gained acceptance in platelet transfusion despite advances in detection technology. We'll discuss new paradigms and recent landmark studies with the potential to fundamentally alter the way physicians approach platelet transfusion in the future.

1:00 p.m - 2:00 PM
Session # 18

“Evolution of Apheresis Technologies and Applications”

Mike Bongiovanni, MD
Professor, Division Chief, Clinical Pathology, Penn State Milton S Hershey Medical Center, Dept. of Pathology and Lab Medicine, Hershey, PA

The session will review the historic development of apheresis devices and their application to treatment of disease and collection of blood components from donors.

2:15 p.m. – 3:15 p.m.
Session # 19

“Blood Utilization: Current Issues, Future Direction”

Intermediate-Advanced Level

Jeanne Lumadue, MD, PhD
Medical Director, Central Pennsylvania Blood Bank, Hummelstown, PA

This talk will describe how we got to present day practices and discuss issues that are frequently encountered in management of transfusion services. The talk will conclude looking at the future directions in blood utilization and its maintenance in health care settings.

3:30 p.m - 4:30 PM
Session # 20

“Apheresis: Overview and Clinical Applications”

Jason Kang, MD
Penn State Milton S Hershey Medical Center, Dept. of Pathology and Lab Medicine, Hershey, PA

Sponsored by: PSSAMT

This presentation will give an overview of apheresis and its therapeutic applications.

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ADMINISTRATION / PHLEBOTOMY

8:30 a.m. – 10:00 a.m.
Session #21

The Electronic Health Record: Past, Present, Future, and the Impact on the Clinical Laboratory
Scott Aikey, MS, CLDir/CLS(NCA),
ASCLS President

Sponsored by: ASCLS-PA

This session will describe the drivers for change leading to implementation of electronic health record systems across the country. The attendee will be shown what a clinical electronic health record system looks like in use and how the laboratory component is integrated into the workflow. Ways in which laboratory professionals can get involved in the implementation and maintenance of the electronic health record system will also be discussed.

10:15 a.m. – 11:45 a.m.
Session #22

“Legal Concerns Associated with Phlebotomy”

Joanne E. Matusko, Esq., MMLT (ACSP), CLT (HHS)
RodaNast, P.C.

In this session the discussion will include injuries associated with Phlebotomy procedures and the legal theory for filing a lawsuit for these injuries. We will also discuss the importance of a Phlebotomy competency program.

1:00 p.m. – 2:00 p.m.
Session #23

“Leaning toward Lab Efficiency”

Susan Yost, BS, MT(ASCP)
Senior Consultant - Health Care Solutions, Siemens Healthcare Diagnostics

Sponsored by: Siemens Healthcare Diagnostics

This session will present key LEAN concepts, such as waste and non-value added activities. The presenter will discuss LEAN tools and how to implement LEAN solutions in the laboratory setting.

2:45 p.m. – 3:15 p.m.
Session #24

“The VHA MRSA Prevention Bundle: Getting to Zero”

Theresa Marie Haley, BS, MT(ASCP),
MRSA Prevention Coordinator
Lebanon VA Medical Center, Lebanon, PA

The presentation will highlight the Veterans Hospital Administration MRSA Prevention Bundle. Topics discussed will be: Active Surveillance Testing, Hand Hygiene Compliance, Use of Contact Precautions in an acute care setting and Positive Deviance to engage staff. Attendees will learn about barriers encountered while selecting the most appropriate testing methodology and how we overcame challenges. They will also gain understanding of why testing on admission, transfer, and discharge is necessary for successful reduction in MRSA transmission.

3:30 p.m. – 5:00 p.m.
Session #25

“The Present and Future of Laboratory Medicine - An Ongoing Analysis”

Elissa Passiment, EdM, NCA(CLS)
Executive Vice President
American Society for Clinical Laboratory Science, Bethesda MD

Sponsored by: ASCLS-PA

Extensive study of the current state of laboratory medicine and science, commissioned by the CDC, offers comprehensive assessment of where we are. There are many initiatives projecting what our laboratories should look like, what kinds of service we should provide and who should provide those services. This presentation will cover the report on the present and take the attendees through a number of possible futures.

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MICROBIOLOGY

8:30 a.m. – 10:00 a.m.
Session #26

“Clinical Mycology Potpourri”

Davise Larone PhD, D(ABMM), F(AAM)
Professor, Clinical Pathology & Laboratory Medicine, Clinical Microbiology & Immunology
Weill Medical College of Cornell University, New York, NY

Sponsored by: BD Diagnostics

The presentation will touch upon many aspects of clinical mycology, including: correct terminology; stains used for direct microscopic examination of specimens as well as for cultured isolates; strengths and weaknesses of various media; new rapid methods for detection and identification of select fungi; how far to go with identification of fungi from various body sites; nonculture methods for laboratory diagnosis of fungal infections; and an array of other useful tidbits.

10:15 a.m. – 11:45 a.m.
Session #27

“Clostridium difficile: An Ever Evolving Pathogen”

Arthur E. Crist, Jr., PhD
Director, Clinical Microbiology, York Hospital, York, PA

Clostridium difficile will be discussed in terms of its history, epidemiology, disease manifestations, pathogenesis, clinical and laboratory diagnosis, treatment, and prevention. Particular emphasis will be placed on laboratory diagnosis and will include a review of currently available testing methodologies and algorithms. Newer, molecular based assays will also be reviewed.

1:00 p.m. – 2:00 p.m.
Session #28

“Antifungal Susceptibility Testing of Candida: To test or not to test; and if so how?”

Cynthia Lee Fowler, MD
Senior Medical Director, Medical Affairs, bioMerieux, Durham, NC

Sponsored by: bioMerieux, Inc.

This talk will provide: (1) a brief overview of the epidemiology of serious Candida infections in the USA and the current therapeutic options for treatment; (2) a review of the rationale for performing antimicrobial susceptibility testing; (3) an overview of the available antifungal susceptibility testing options in the USA; and (4) a rationale for implementation of routine antifungal susceptibility testing of Candida isolated from serious infections and the clinical impact of providing the information to physicians in a timely fashion.

2:15 p.m. - 3:15 p.m.
Session #29

“Cystic Fibrosis Microbiology in 2009”

Deborah Blecker Shelly, MS, MT, SM^{CM}(ASCP)
Microbiology Supervisor, The Children's Hospital of Philadelphia, Philadelphia, PA

Sponsored by: PSSAMT

This session will begin with a fundamental review of the inherited disease of cystic fibrosis, including symptoms, diagnosis, management, epidemiology, and infection control issues. The primary focus of the presentation will be proper specimen processing, bacterial identification and antimicrobial susceptibility testing of organisms commonly recovered from individuals with cystic fibrosis. Participants will also learn about the emerging pathogens and current research activities occurring in this unique patient population.

3:30 p.m. – 4:30 p.m.
Session #30

“(R)evolution of the Clinical Microbiology Laboratory”

Paul Bourbeau, Ph.D.
Director, Microbiology Laboratory, Geisinger Medical Center, Danville, PA

Sponsored by: BD GeneOhm

Over the past 10-15 years, molecular microbiology testing has steadily increased. This talk will review the types of testing that have proved most amendable to movement from culture to molecular microbiology platforms. It will also discuss the impact that this (r)evolution has had on the culture of the microbiology laboratory.

CHEMISTRY

8:30 a.m. - 10:00 a.m.
Session #31

“Comparative Genomic Hybridization as Primary Analysis for Developmental Delay/Mental Retardation”

Sarah South, PhD
Medical Director, Cytogenetics / Molecular Cytogenetics, University of Utah, School of Medicine/ARUP Laboratories, Salt Lake City, UT

Sponsored by: ARUP Laboratories

In this session we will review the traditional use of standard chromosome analysis and FISH for the detection of genomic rearrangements and imbalances in the pediatric population. Then the newer technology of array comparative genomic hybridization (aCGH) to detect genomic imbalances. Example cases will be used to demonstrate its utility in the pediatric population.

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CHEMISTRY

10:15 a.m. – 11:45 a.m.

Session #32

“Guidelines for the Clinical Use of Thyroid Function Tests”

Laurence M. Demers, PhD, DABCC, FACB
Distinguished Professor of Medicine & Pathology, Director, Core Endocrine GCRC Core Laboratories,
Penn State Milton S Hershey Medical Center, Dept. of Pathology & Lab Medicine, Hershey, PA
Recent guidelines have been published by the National Academy of Clinical Biochemistry in concert with the American Thyroid Association to enable physician and clinical laboratory scientists to appropriately select and use the best laboratory tests for the diagnosis and management of thyroid disease.

1:00 p.m. – 2:00 p.m.

Session #33

“New Directions in Cancer Treatment”

J. Michael Young, MD, FCAP
Laboratory Medical Director, Heart of Lancaster Regional Medical Center, Lititz, PA
A discussion of new methods of cancer treatment, focusing on therapies directed by laboratory analysis of tumor tissue.

2:15 p.m. – 3:15 p.m.

Session #34

“Acute HIV infection: Diagnostic Trends for Early Detection”

Kara Johnson, PhD
Scientific Affairs, Abbott Diagnostics Division
Sponsored by: Abbott Diagnostics
Early and accurate detection of HIV is critical in controlling viral transmission. Acute HIV infection (AHI) is the early phase of infection when patients present with physical symptoms, but antibodies are not yet produced at level sufficient to control viral replication. AHI is often missed in routine screening. New generation diagnostic assays that detect both antibody and antigen aim to improve HIV detection.

3:30 p.m. – 4:30 p.m.

Session #35

“Case Studies in Capillary Zone Protein Electrophoresis”

Advanced Level

William Castellani, MD
Associate Professor, Medical Director, Clinical Chemistry, Penn State Milton S Hershey Medical Center, Dept. of Pathology and Lab Medicine, Hershey, PA
The evaluation of protein electrophoresis and immunotyping is improved by comparison of patterns in patients over time and across different studies. Cases will be presented that show the capillary zone protein electrophoresis results for selected patients that highlight both typical and unusual patterns.

HEMATOLOGY

8:30 a.m. – 10:00 a.m.

Session #36

“Case Studies in Hematology”

Steven Marionneau, MS, MT(ASCP)
Lab Manager, St. Vincent's Comprehensive Cancer Center, NY, NY; Instructor, NY Medical College & Vincent's School of Medical Technology; Adjunct Professor, UMDNJ.
Sponsored by: ASCLS-PA
This interactive session will challenge participants to evaluate difficult hematology cases. Clinical findings and laboratory data, including instrument scatterplots / histograms and blood and marrow smears will be presented. The limitations of automated hematology analyzers in providing accurate results in these cases will also be discussed.

10:15 a.m. – 11:45 a.m.

Session #37

“Introduction to Flow Cytometry”

Jozef Malysz, MD
Assistant Professor, Penn State Milton S Hershey Medical Center, Dept. of Pathology and Lab Medicine, Hershey, PA
Introduction to the basic concepts of flow cytometry and brief discussion of the most common hematologic malignancies.

1:00 p.m. – 2:00 p.m.

Session #38

“Review of CLL”

Kathryn Peroutka, MD
Medical Oncologist/Hematologist
Partner, Andrews/Patel Associates, Camp Hill, PA
This session will review the basics of CLL (Chronic Lymphocytic Leukemia), along with newer aspects of markers and cytogenetic analysis and what therapies are available. Three case studies will be shared to explore CLL.

2:15 p.m. – 3:15 p.m.

Session #39

“Anemia, Aging, and Diagnostic Biochemical Marker Analysis”

Vernon Mustoe, PhD
Scientific Affairs Manager, Beckman Coulter, Inc.
Sponsored by: Beckman Coulter, Inc.
Anemia is a pervasive and persistent problem from many people around the world. This program is intended to increase awareness of the incidence and complexity of anemia and to elucidate the role of lab professionals in the management of this disease including the use of emerging biochemical markers.

HEMATOLOGY

3:30 p.m. – 4:30 p.m.

Session #40

“Diagnosis and Monitoring of Multiple Myeloma”

Steven Marionneau, MS, MT(ASCP)

Lab Manager, St. Vincent's Comprehensive Cancer Center, NY, NY; Instructor, NY Medical College & St. Vincent's School of Medical Technology; Adjunct Professor, UMDNJ.

Sponsored by: PSSAMT

The clinical laboratorian plays an important role in the diagnosis and monitoring of multiple myeloma and related plasma cell dyscrasias. In addition to routine laboratory work, tests such as serum/urine protein electrophoresis and immunofixation; IgG, IgA, IgM and free light chain quantitation; beta 2 microglobulin, C reactive protein, 24 hour urine protein, creatinine clearance, molecular tests and flow cytometry are performed at diagnosis and again at different intervals during the course of the diseases. In this session, case presentations will be utilized to illustrate how these tests are used to establish a diagnosis, determine prognosis and monitor diseases status in patients with multiple myeloma.

BLOOD BANK

9:00 a.m. – 10:30 a.m.

Session #41

“How fresh is fresh?”

Debbie Sesok-Pizzini, MD

Medical Director of Transfusion Medicine, The Children's Hospital of Philadelphia, Philadelphia, PA

Sponsored by: PSSAMT

The objective of the program is to describe the use of fresh whole blood in pediatric open heart surgery and discuss the limitations, risks, and benefits of developing and supporting a fresh whole blood program at a hospital. The concept of how fresh is fresh will also be discussed in reference to recent literature which also supports the use of fresh red blood cells for improved outcomes.

10:45 a.m. – 11:45 a.m.

Session #42

“TRALI Reduction Measures and the Possible Effect on Product Inventories”

Kip Kuttner, DO

Medical Director & Vice President, Miller-Keystone Blood Center, Bethlehem, PA

Sponsored by: Miller-Keystone Blood Center

In this session the following topics will be discussed: (1) initiatives taken by Blood Centers to reduce the risk of TRALI and (2) a Short Review of TRALI. Why TRALI is important and what Blood Centers are doing to reduce its incidence and how it can affect product availability will be presented.

1:00 p.m. – 2:00 p.m.

Session #43

“2009 AABB Update”

Holly Rapp, MT(ASCP)SBB, CQA(ASQ), CMQ/OE

Director, Accreditation and Quality, AABB, Bethesda, MD

This update will provide proposed changes to the 26th edition of Standards for Blood Banks and Transfusion Services, the most common AABB nonconformances and a review of the AABB unannounced assessment process.

2:15 p.m.- 3:45 PM

Session #44

“The Gift of Life: Providing Hope for Transplant Recipients and Donor Families”

Kelly Eshleman, BA

Gift of Life, Philadelphia, PA

Review of the organ donation process with an emphasis on the role of laboratory professionals as well as the impact of donation on both transplant recipients and donor family members.

GENERAL / ADMINISTRATION / LEGISLATIVE / REGULATORY / POC

8:45 a.m. – 10:00 a.m.

Session #46

“Federal Government Update - Legislation and Regulation & Update on CLIAC, CLIA, and other Federal Regulations”

Elissa Passiment, EdM, NCA(CLS)

Executive Vice President, American Society for Clinical Laboratory Science, Bethesda, MD

Sponsored by: ASCLS-PA

CLIA regulations, government advisory committees and Congress have been actively impacting the clinical laboratory during 2008. 2009 promises to be at least as active. Reports on all of the federal agencies will be presented. The role of ASCLS and all of its members on the repeal of competitive bidding and the modernization of the clinical laboratory fee schedule will be discussed. An update on personnel licensure will also be discussed.

10:15 a.m. - 11:45 a.m.

Session #47

“The Journey to Process Excellence: The HMC experience”

Meghan Scanlon

Six-Sigma Black Belt, ValuMetrix, Johnson & Johnson

Sponsored by: Ortho Clinical Diagnostics

Since 1999 ValuMetrix services has been bringing the power of process excellence approach to laboratories across North America and the world. The high-level process improvement approach will be reviewed. How the approach was applied during automation implementation at HMC will be discussed.

Wednesday, May 13, 2009

GENERAL / POC

1:00 p.m. – 2:00 p.m.

Session #48

ADMINISTRATION /LEGISLATIVE /REGULATORY

“From Bench to POC and beyond”

Rick Lebo
President, KEYPOCC

2:15 p.m. - 3:15 p.m.

Session #49

“Score Cards - Can you tell who is winning”

Jame Kantoski, MBA, MT(ASCP)
Systems Laboratory Director, 250 College Ave, Lancaster, PA
The laboratory director/manager is faced with many priorities. Effective use of a scorecard can help keep focus of the goals despite the daily chaos.

3:30 p.m. - 4:30 p.m.

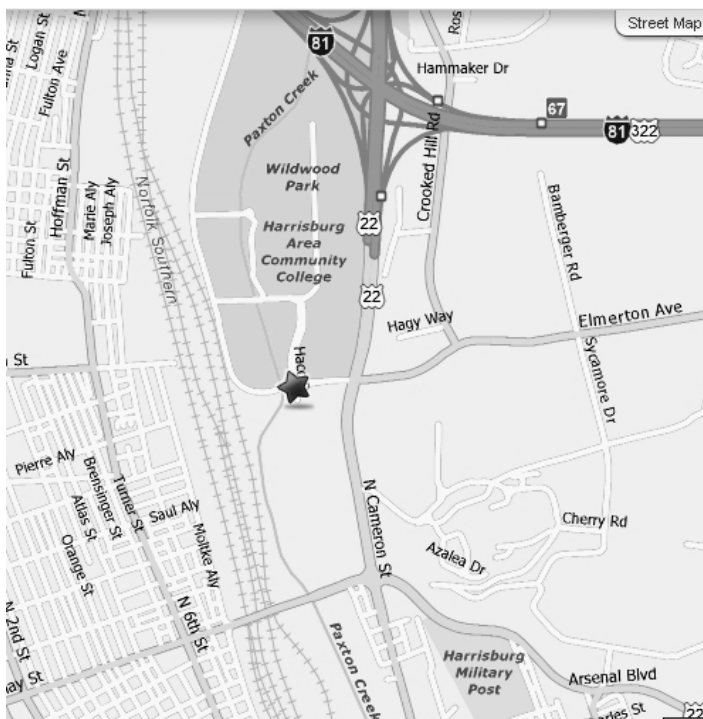
Session #50

“Reducing Medical Errors”

Chris Fetters
Global manager, Upstream Marketing, Global Strategic Marketing, Abbott POC, East Windsor, NJ
Sponsored by: Abbott Point of Care

DIRECTIONS TO C. Ted Lick WILDWOOD CONFERENCE CENTER

on the grounds of Harrisburg Area Community College (HACC), One HACC Drive, Harrisburg, PA 17110



C. Ted Lick WILDWOOD CONFERENCE CENTER

- a. From 81N or 81S, take the Cameron Street exit to HACC.
- b. At the first light, make a right onto Industrial Drive.
- c. You will see PSECU and HACC on your right and the Farm Show Complex Building to the left.
- d. Continue on Industrial Drive to **Gate 4** on the HACC Campus. Do not enter Gate 1.
- e. Enter Gate 4 and you will see HACC's conference center ahead. The building is labeled as C. Ted Lick Wildwood Conference Center.
- f. Parking is free. There is a pedestrian bridge that you will need to cross over from the parking area.

“Remember to bring this program with you to the meeting”

Registration Information

Everyone attending the meeting must register and obtain an identification badge. All registrants are invited to attend any or all of the scientific sessions. All interested clinical laboratory professionals are invited and encouraged to attend. Registrants who identify themselves as a current individual (not corporate) member of one of the listed professional organizations (ASCLS, AMT) will receive "member" registration rates.

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

1. Please type or print legibly, all information. Register one person per application. Registration forms may be duplicated if necessary.
2. There are scholarships available to INDIVIDUALS to help defray the costs of registration. Thirty-five \$100 stipends for **member/non-member attendees** and twenty-five \$40 stipends for **student** members/non-members will be awarded to individuals requesting these funds. See www.ascls-pa.org for **additional information and the form** that needs to be **completed and mailed with your registration**. These stipends will be issued on a **first-come, first-served** basis, so register early! Institutions are NOT eligible to receive these funds.
3. Telephone registrations will not be accepted.
4. The member category applies to members of ASCLS or AMT. Membership will be verified.
5. 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 Networking Dinner on Tuesday night.
5. The reservation fee for the Tuesday evening Networking Dinner is listed on the registration form. Please indicate the appropriate fee if you plan to attend. Tickets for the dinner may not be available on-site.
6. **Hotel reservations** are to be made directly with Days Inn North, Phone 717-233-3100, Code: ASCL (deadline 4/10) or the Comfort Inn Riverfront, Phone 717-233-1611, Code: ASCLS-PA (deadline 4/26), Monday to Friday 8am – 6pm. Ask for the reservation department when you call.
8. **Registration forms must be postmarked no later than May 1, 2009 to receive the advanced registration rates listed in this program.** After May 1, 2009, all registration fees will increase by \$25.00 (see special fee section on registration form). Do not mail registration forms after May 5, 2009, but instead please register on-site.
9. No refunds will be honored if notification is received after May 1, 2009.
10. 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.
11. If you have any registration questions, call 1-610-988-8273 or e-mail us at ssstra610@aol.com.

Registration Check List

Did You...

- Sign Up to Attend the Networking Dinner**
- Enclose Your Check made payable to ASCLS-PA or give your credit card information**
- Circle the Sessions you plan to attend**
- Directly contact the Hotel. Don't forget to ask for the ASCLS-PA Annual Spring Meeting special discounted room rate. (Code: ASCL for Days Inn and Code: ASCLS-PA for Comfort Inn Riverfront).**
- Please bring this copy of your program with you to the meeting**

Join ASCLS before the meeting
and receive 15 months of membership (April 2009 – July 2010)
for the price of 12.



OUR VALUE

- as an integral part of the healthcare team
- as a source of continuing education
- as a source of information to our patients, other professionals and the public

OUR VOICE

- as a spokesperson for the entire profession
- on legislative and regulatory issues that affect our profession
- as an advocate for every professional

OUR VISION

- in defining the changing role of the laboratory
- in fostering collaboration among laboratory organizations
- in preparing ourselves for exciting new roles

Go to www.ascls.org for additional information about ASCLS.

Download a membership application or join online!

*Include that new membership number on your registration form for this meeting
and get the member discount!*

*(if you have any questions about this,
contact Mary Ann McLane, 302-831-8737, mclane@udel.edu)*

*Attention, Lab Managers!
Searching for Qualified Lab Professionals?
Virtual Job Fair Available!*

- Searching for qualified clinical lab personnel? Spending money on fruitless job postings?
- Put your position into the hands of 200+ lab professionals at one time
- Contact Michele Lachance, mlachance@hmc.psu.edu before May 1, 2009 if you are interested in our virtual job fair during this meeting.

Katie Franz
11 Cobblestone Drive
Paoli PA 19301