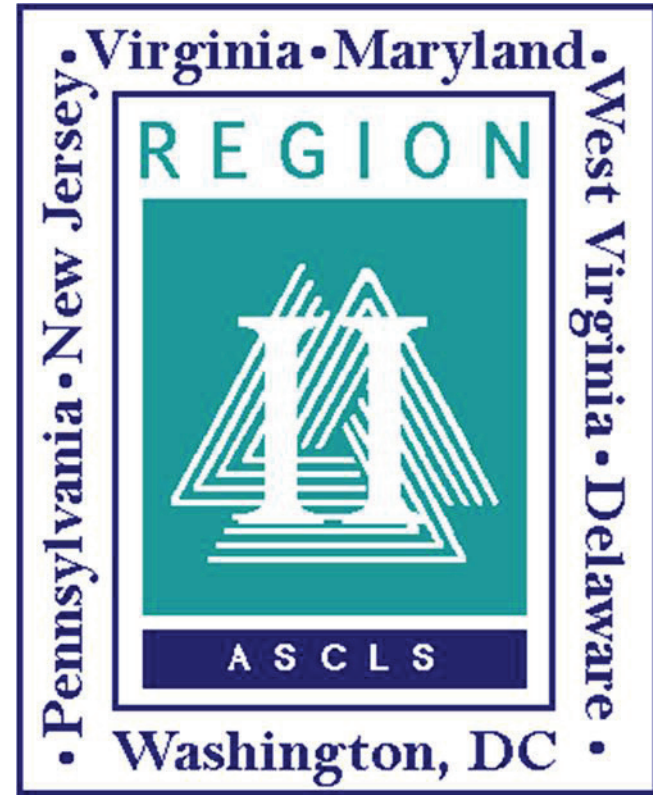


**Barbara Snyderman  
153 Chancellor Drive  
Deptford NJ 08096**

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**2014 Region II  
Meeting  
June 6, 2014  
North Baltimore  
Plaza Hotel  
Timonium, MD**

Welcome to the American Society for Clinical Laboratory Science Region II Education Day and Exhibit! The Committee is excited to present you with a day of presentations and exhibits featuring our vendor partners' most up to date information for your laboratories. We hope you enjoy the opportunity to learn and network with other laboratory professionals from throughout the mid-Atlantic area.

### **Meeting Planning Committee**

Committee: Stacey Robinson, General Co-Chair, MD  
Barbara Snyderman, General Co-Chair, NJ  
Program: Catherine Otto, MD  
Mary Ann McLane, DE  
Abra Elkins, WV  
Lona Small, MD  
Lucia Wang, NJ  
Finance: Jodie Prestholdt, NJ

### **Continuing Education Credit**

ASCLS-MD is an approved provider of C.E. programs by the ASCLS P.A.C.E.® Program. **P.A.C.E.® approval is pending 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.

### **CE Organizer**

The ASCLS online CE ORGANIZER program will be used to record your continuing education credits. All attendees can utilize this program to generate a P.A.C.E.® certificate for this meeting. There will be NO attendance rosters passed around during the sessions and NO waiting in line for P.A.C.E.® validation at the end of the meeting. At the end of each session the moderator will announce a UNIQUE 4 digit SESSION CODE. Simply record the unique session number to obtain credit for each session attended. Evaluation forms should also be completed at the end of each session.

### **Registration Form**

Name: \_\_\_\_\_

Address: \_\_\_\_\_  
\_\_\_\_\_

Employer: \_\_\_\_\_

Preferred Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Membership #: \_\_\_\_\_

### **Fees**

Member \$95 \_\_\_\_\_ Nonmember \$130 \_\_\_\_\_

Student Member \$40 \_\_\_\_\_ Student Nonmember \$55 \_\_\_\_\_

**Make checks payable to "ASCLS Region II" or use credit card.**

M/C or VISA #: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Security Code (CVV): \_\_\_\_\_ Is this a Corporate Card?: \_\_\_\_\_

Name as it appears on the card: \_\_\_\_\_

Billing Address (If different than above): \_\_\_\_\_

Signature of Cardholder: \_\_\_\_\_

**For scheduling purposes, please circle the session you think you will attend:**

1 2 3 4 5 6 7 8 9 10  
11 12 13 14 15 16 17 18 19 20 21

**Mail completed registration form to:** **Barbara Snyderman**  
**153 Chancellor Drive**  
**Deptford NJ 08096**

## Registration Instructions:

1. Please type or print legibly, all information. Use only one registration form per person. Forms may be duplicated.
2. Telephone applications will not be accepted.
3. The member category applies to members of ASCLS only. ASCP Certification or associate membership does not qualify for the member rate. Membership will be verified.
4. The deadline for advance registration is Tuesday, May 27, 2014. Registrations received after this time will be charged a late registration fee of \$20. Please do not mail registrations after this date -- register on site. Lunch may not be available for late and on-site registrants.
5. Confirmation of registration will be emailed to each registrant except for those registrations received after the deadline. If you do not provide an email address, a receipt will be available in your registration packet.
6. A Continental Breakfast and Buffet Lunch is included in the registration fee.
7. For more information, please email us at [barbarasnyderman@gmail.com](mailto:barbarasnyderman@gmail.com)

## Exhibits

Exhibit will be open at 8:00 AM in the Hotel Atrium. Our vendor partners have helped to make this meeting possible. Please support them by visiting their tables during the day.

## Food

A Continental Breakfast and Buffet Lunch is included in the registration fee. Meals will be served in the Hotel Atrium.

## Hotel Information

**North Baltimore Plaza Hotel**  
(formerly Crowne Plaza Hotel and Resort)  
2004 Greenspring Drive  
Timonium, MD 21093  
410-252-7373

Special meeting hotel rate: \$102 plus 14% tax. Reservations must be made by May 9 to ensure rate. Registrants are responsible for their own room. Mention ASCLS Region 2 when making reservations

The North Baltimore Plaza Hotel is located just off of Interstate I-83 and I-695. The hotel management has guaranteed the rates through the weekend so why not stay and plan to enjoy the Baltimore Inner Harbor, great shopping, and everything Baltimore has to offer.

## Society Information

Join ASCLS now and get more than 12 months of membership for the price of one year. Your membership will not expire until July 31, 2015.

### 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](http://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!

## Hematology Sessions

### 9:15-10:15 AM Session #18

#### **“Evaluation of the Accuracy of Automated Platelet Counts and Potential Effect on Transfusion Decisions”**

Steven Marionneaux, MS, MT(ASCP)  
Manager, Clinical Hematology Laboratories, Memorial Sloan-Kettering Cancer Center, New York, NY; Adjunct Professor, Rutgers University, Newark, NJ

In this session, findings of original research performed by the presenter will be discussed. Mr. Marionneaux evaluated the accuracy of four automated platelet counting methods in patients with thrombocytopenia. The effect of erroneous platelet counts on decisions regarding prophylactic platelet transfusions will also be discussed. Depending on the method used, the risk for under-transfusion ranged from 9 to 43 percent. Level: Advanced

### 10:30-11:30 AM Session #19

#### **“Diagnosis and Monitoring of Plasma Cell (Multiple) Myeloma”**

Steven Marionneaux, MS, MT(ASCP)  
Manager, Clinical Hematology Laboratories, Memorial Sloan-Kettering Cancer Center, New York, NY; Adjunct Professor, Rutgers University, Newark, NJ

The diagnosis and monitoring of patients with plasma cell myeloma is based on tests performed in various disciplines within the laboratory. Interpreting and applying those results in diagnosing patients can be challenging to clinicians and laboratorians. This session will provide a general overview of the disease and a discussion of tests used in diagnosis. A case based approach will be used to facilitate learning.

### 1:00-2:00 PM Session #20

#### **“New Anticoagulants and Their Impact on Coagulation Testing”**

Donna D. Castellone, MS, MT(ASCP) SH  
Manager, Quality Operations Specialty Testing, New York Presbyterian Hospital-Columbia Presbyterian, New York, NY

This session will review the new anticoagulants that have been introduced in the last few years and how they have impacted coagulation testing. An overview of the mechanism of the anticoagulants will be provided. Case studies will be presented and highlight the impact these drugs have on coagulation tests as well as what is presently available to laboratories to detect the presence of these inhibitors.

### 3:30-4:30 PM Session #21

#### **“The Molecular Genetics of Myeloproliferative Neoplasms and Myelodysplastic Syndromes”**

J. Lynne Williams, PhD, MT(ASCP)  
Professor, Biomedical Diagnostic and Therapeutic Sciences  
Oakland University, Rochester, MI

Improved molecular analyses over the past several years have resulted in the identification of new genes involved in myelodysplastic syndromes (MDS) and myeloproliferative neoplasms (MPN). A better understanding of the molecular basis of these disorders is resulting in new therapeutic approaches.

## Chemistry Sessions

### 9:15-10:15 AM Session #14

#### **“Newborn Screening 50 Years Later”**

Marzia Pasquali, PhD, FACMG

Professor of Pathology, Medical Director, Biochemical Genetics and  
Newborn Screening, University of Utah and ARUP Laboratories

Newborn screening started 50 years ago with the development of the filter paper as a sample collection method and of a bacterial inhibition assay for screening for phenylketonuria. Fifty years later, newborn screening has changed dramatically and has been one of the most successful genetic programs. This lecture will highlight the most significant accomplishments of newborn screening and the methodologies that have made this possible.

### 1:00-2:00 PM Session #15

#### **“What Are We Missing When We Do A Drug Screen In Our Laboratory”**

Diane Davis, PhD, MLS(ASCP)<sup>CM</sup>, SC<sup>CM</sup>, SLS<sup>CM</sup>

Program Director, Salisbury University Medical Laboratory Science  
Program, Salisbury, MD

Laboratories cannot test for the virtually infinite number of substances that humans can use and abuse. This presentation will review the typical clinical laboratory protocols for toxicology testing and the substances that are poorly detected or not detected at all as well as the clinical implications of current testing protocols.

### 2:15-3:15 PM Session #16

#### **“Evidence-Based Clinical Chemistry: Why the Mystery?”**

Mary Ann McLane, PhD, MLS(ASCP)<sup>CM</sup>

Professor, Department of Medical Laboratory Sciences, University of  
Delaware, Newark, DE

For all of the users and generators of clinical chemistry data, there is an assumption that using those numbers, compared to some pre-determined “correct” numbers, will ultimately lead to optimal care for the patient. This lecture will suggest the folly of that assumption and what, if anything can be done.

### 3:30-4:30 PM Session #17

#### **“Diabetes Testing: Role in Diagnosis and Management of Disease”**

Farough Nazari, PhD, MBA, MLS(ASCP)<sup>CM</sup>

Senior Manager, Global Continuing Education, Siemens Healthcare  
Diagnostics, Wilmington, DE

Diabetes is a group of metabolic diseases that are all characterized by hyperglycemia. The underlying cause may be autoimmune in nature, which impacts the hormone insulin. It may also be due to defects in insulin secretion. Regardless of the root cause, lack of insulin causes problems in carbohydrate, fat and protein metabolism associated with this disease.

## Educational Program

### OPENING KEYNOTE

### 8:00-9:00 AM Session #1

#### **“The Value of Laboratory Professionals”**

Elissa Passiment, EdM, CLS

Executive Vice President, ASCLS

McLean VA

Laboratory Professionals contribute to the science of medicine and enable everyone on the health care team to provide quality care and ensure patient safety. With new technologies and new science in genetics, proteomics, etc., our services will help every individual avoid or prepare for illnesses and disorders. Our invaluable information, delivered by all of us, will expand our roles for years to come.

## General Sessions

### 9:15-10:15 AM Session #2

#### **“Applying Evidence –Based Methods to Decision Making”**

Diana Mass, MA, MT(ASCP)

President, Associated Laboratory Consultants

The CDC Laboratory Medicine Best Practices Initiative provides methods for identifying best practices for improving healthcare quality outcomes. This presentation will describe the “A-6 Cycle” that frames CDC’s methods for identifying evidence-based practices. This process will demonstrate a method for laboratory professionals to use in their quality improvement projects that lead to optimal decision-making, which is based on scientific evidence. Information from this method can be utilized in support of implementing new technologies or methods of care that improve patient outcomes.

### 10:30-11:30 AM Session #3

#### **“The Evolution of Our Profession: The Doctorate in Clinical Laboratory Science”**

Elissa Passiment, EdM, CLS

Executive Vice President, ASCLS

McLean VA

Laboratory services continue to expand and our responsibilities in the Pre-and Post-analytic phases of testing require more knowledge and different skill sets. This session will examine the role of the Doctorate in Clinical Laboratory Science and the progress being made towards this level of practitioner.

### 1:30-2:00 PM Session #4

#### **“Career Options for the Medical Laboratory Scientist –A Panel Discussion”**

Farough Nazari, Senior Manager, Global Continuing Education  
Siemens Healthcare Corporation, Wilmington, DE

William Hunt, Administrative Director of Laboratory Services,  
Pennsylvania Hospital, Philadelphia, PA

Mary Beth Miele, Education Coordinator, Penn State Milton S. Hershey  
Medical Center, Hershey, PA

Barbara Snyderman, Technical Specialist, Ortho Clinical Diagnostics,  
Raritan, NJ

The participants in this panel will discuss the road to their current positions, the requirements for their job and what day to day life is like for their challenging roles.

**2:15-3:15 PM      Session #5**  
**“Tools for Improving Patient Safety in Medical Laboratory Science”**  
Catherine Otto, PhD, MBA, MLS(ASCP)<sup>CM</sup>  
Associate Professor, Medical Laboratory Science Program  
Salisbury University, Salisbury, MD

Medical laboratory professionals have an opportunity and responsibility to expand their traditional definition of quality in order to improve the pre- and post-analytic phases of laboratory services. Systems to monitor and improve laboratory services and methods for laboratory professionals to make contributions to healthcare delivery that is safe, effective, timely, efficient, equitable and patient-centered will be discussed.

## **Blood Bank Sessions**

**10:30-11:30 AM      Session #6**  
**“Not Your Typical Blood Bank Case Studies”**  
Lorraine N. Blagg, MA, MLS(ASCP)<sup>CM</sup>, SBB  
Education and Development Coordinator  
The Johns Hopkins Hospital Dept. of Transfusion Medicine  
Baltimore, MD

Not all decision making and problem solving in the blood bank revolves around antibody identification. This presentation will utilize case studies that encompass analysis of serologic results, clinical data, patient history, and technology to resolve problems faced in the blood bank.

**1:00-2:00 PM      Session #7**  
**“Meeting the Demand:  
Utilizing Technology to Ensure Transfusion Safety”**  
Gwen Howell, MS, MLS(ASCP)<sup>CM</sup>, SBB  
Lead Medical Technologist  
The Johns Hopkins Hospital Department of Transfusion Medicine  
Baltimore, MD

Blood utilization and transfusion safety are major concerns for the Transfusion Service. This session will focus on the use of how technology can assist in providing blood products quickly and ensure transfusion safety.

**2:15-3:15 PM      Session #8**  
**“Transfusion Medicine and Coagulation”**  
Harold Ashcraft, MD  
Associate Medical Director, Professional Affairs  
Memorial Medical Center, Johnstown, PA

The presenter will discuss coagulation disorders, which can be treated with blood bank products and testing including TEG/ROTFM, which can be useful in selecting specific blood bank products.

**3:30-4:30 PM      Session #9**  
**“History of Mystery? Serologic Case Studies”**  
Gwen Howell, MS, MLS(ASCP)<sup>CM</sup>, SBB  
Lead Medical Technologist  
The Johns Hopkins Hospital Department of Transfusion Medicine  
Baltimore, MD

When a patient demonstrates an antibody to a red cell antigen, the serologic work-up can often be challenging. The speaker will present case studies of increasing complexity that will suggest solutions for how to approach this patient population. The importance of obtaining patient history and providing optimal blood products in such scenarios will also be examined.

## **Microbiology Sessions**

**9:15-10:15AM      Session #10**  
**“The Human Microbiome: Some of My Best Friends are Germs”**  
Karen Long, MS, MT(ASCP)  
Associate Professor Emerita, West Virginia University Division of  
Medical Laboratory Science  
Microbiology Technologist, Monongalia General Hospital, Morgantown,  
WV

The program will be a brief review of the first comprehensive genetic map of the species of microbes that live in and on a normal healthy human. The acquisition of the microbiome and the contribution of this study to possible new treatments for diseases such as diabetes and inflammatory bowel disorders will be reviewed.

**10:30-11:30 AM      Session #11**  
**“Carbapenem Resistant Enterobacteriaceae (CRE): The Battle Continues”**  
Mary Beth Miele, PhD, MLS(ASCP)<sup>CM</sup>, RM(NRCM)  
Education Coordinator and Instructor of Pathology  
Penn State Milton S. Hershey Medical Center, Hershey, PA

CRE infections occur in health care facilities and can be deadly due to their high level of resistance to antibiotics. Epidemiology, resistance mechanisms such as KPC, NDM and others, and their associated antimicrobial profiles will be discussed. Identification, treatment and prevention of these types of infections will be presented.

**2:15-3:15 PM      Session #12**  
**“Update on Lyme Disease”**  
William A. Meyer, III, PhD, D(ABMM), MLS(ASCP)<sup>CM</sup>  
Technical Director, East Region, Quest Diagnostics

Survey presentation of the following areas related to Lyme Disease will be discussed: Epidemiology, Clinical Features, Laboratory Confirmation of Infections, Treatment and Prevention.

**3:30-4:30 PM      Session #13**  
**“Mycology Review”**  
Hector Carrero, MT(ASCP)  
Mycology Unit Leader, Walter Reed National Military Medical Center,  
Bethesda, MD

This session will focus on a review of mycology as well as update changes in taxonomy. Methods for identification of fungi, as well as guidelines for sample collection and processing will be included.