**Session Descriptions**

2014 ASCLS-NE/CLMA/PAMET-USA Spring Educational Meeting

*Kickoff to Learning*

April 9-11, 2014

**Wednesday, April 9th**

205-001-14 *Wow! That Felt Great!* - Sandra K. Stockall

Most people want to build stronger relationships that equip us to face challenges more effectively and to make a difference in the lives of people around us. This program is based on the FISH Philosophy.

1.0 P.A.C.E. ® Contact hour of basic instruction.

205-002-14 *Phenotypic Detection of Clinically Important β-lactamases produced by Enterobacteriaceae* - Ellen Smith Moland, MT, B.S.

List clinically important β-lactamases produced by *Enterobacteriaceae* and describe some phenotypic tests which can be utilized to detect and confirm them.

1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-003-14 *Auto-validation: Don’t “Rule” It Out* - Kim Shimits, MT(ASCP)SBB

This lecture will discuss some of the barriers that prevent labs from starting and completing auto-validation projects, and how the right project approach and software can help overcome those barriers.

1.0 P.A.C.E. ® Contact hour of basic instruction.

205-004-14 *Expanding your Laboratory Through the Use of Mass Spectrometry* - Matthew Clabaugh, B.S.

This session will include an introduction to LC-MS/MS (Liquid chromatography-tandem mass spectrometry) for the Clinical Lab, encompassing both the technology and application. The advantages of its use as a direct analyte measurement for increased accuracy. The ability of LCMSMS to expand the laboratories capabilities and reduce high value send out tests.

1.0 P.A.C.E. ® Contact hour of basic instruction.

205-005-14 *Evidence-Based Hematological Solutions: Beyond the Routine CBC* - John Donnelly RN, BSN

This session will discuss two new hematology parameters, Reticulocyte Hemoglobin Content and Immature Platelet Fraction. The speaker will review some of the clinical evidence for each parameter and discuss the impact the authors found in their studies.

1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-006-14 *Procalcitonin* - Holley Reeves MSN, BSN

This one-hour basic course is given in lecture and power point format to educate the practitioner on the septic patient population. It includes information on rate of occurrence, healthcare costs and resources consumed, pathophysiology of sepsis, biomarkers used to diagnose and monitor therapy, and concerns surrounding antibiotic use and stewardship.

1.0 P.A.C.E. ® Contact hour of basic instruction.
CSI Omaha: the Fact behind the Fiction - Mellissa Helligso, MFS
A review of 4 Nebraska cases highlighting the technology used to solve the case, including DNA.
1.0 P.A.C.E. ® Contact hour of basic instruction.

Leadership Works - Shane Osborn, Candidate for State Senator, Former State Treasurer.
Discussion of leadership skills and their application in Nebraska state government by Senate Candidate Shane Osborn.
1.0 P.A.C.E. ® Contact hour of basic instruction.

What to Transfusion and Why? - Lori Lake, MT(ASCP) SBB
Have you ever wondered why the physician orders certain products? This presentation will talk about the uses of blood products, while discussing the latest AABB recommended guidelines. The listener should have a better understanding of transfusing the correct product and the correct time.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

Best Practices in Hiring Laboratory Professionals - Rhea F. Basa, MBA
Staffing your organization with the right people is one of the most important things you can do to ensure the success of your organization. Recruitment and selection is an essential, time-consuming and expensive process. Effective and non-discriminatory selection of staff maximizes the use of Human Resources and reduces the chance of costly errors. This session embraces issues to consider when determining your staffing needs and suggests strategies to help you manage the process of recruiting, interviewing and evaluating applicants.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

Solving the world’s problem through better sleep - Leigh Heithoff, RPSGT, R. EEG T.
In our busy lives, sleep is often the first thing that is sacrificed. Come learn why sleep should be the last thing you give up. We will explore the stages of sleep, circadian rhythms and take a look at our most prevalent sleep disorder...insomnia.
1.0 P.A.C.E. ® Contact hour of basic instruction.

Clinical application of Troponin & Natriuretic Peptides in Acute Coronary Syndrome & Heart Failure - Leslie M Johnson, MSL
Clinical application of Troponin & Natriuretic Peptides in Acute Coronary Syndrome & Heart Failure
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

VITEK MS: Changing the Face of Clinical Microbiology - Chrtistine Ginocchio, PhD, MT (ASCP)
Today’s Microbiology Laboratories are facing many challenges from both a clinical and economic standpoint. Rapid results are needed to improve patient outcomes, reduce length of stay, comply with antibiotic stewardship goals and save hospitals costs. This lecture will discuss the implementation of VITEK MALDI-TOF Mass Spectrometry into the routine workflow and the impact on time to results. Clinical trial performance data will be presented and laboratory validation plans and results will be discussed.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.
205-014-14 **POCT – Making a Difference**  - Deborah A. Perry, M.D.
Discussion of the importance of a multidisciplinary point of care testing (POCT) committee will start the presentation. This will set the stage for reviewing how POCT can directly impact the care of patients. In addition, a review of what national guidelines are available to help determine what POC tests should be available in your institution.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-015-14 **Venous Thromboembolism, Deep Vein Thrombosis & Pulmonary Embolism: Analytic and Clinical Considerations**  - Leslie M Johnson, MSL
Venous Thromboembolism, Deep Vein Thrombosis & Pulmonary Embolism: Analytic and Clinical Considerations
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-016-14 **Decoding ISO 15189**  - Rex F. Famitangco, MSc, MLS(ASCP)CM QLC, MT(AMT)CLC AHI
Medical Laboratories are critical part of the healthcare system. To improve the accuracy of results, medical laboratory around the world have begun adopting ISO 15189:2012. This presentation provides an overview of the four main components of a Quality Management System and the Deming Cycle.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-017-14 **Balanced Scorecard**  - Mohammed Mutapha, M.E.
Fundamentals of the balanced scorecard system used in strategic planning and management.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-018-14 **The Spectrum of Autoimmune Disease**  - Gregory R. Post, Ph.D. DABCC
Autoimmune disease can present in many different forms and have both acute and insidious onset, depending on the disease. This presentation will discuss the underlying mechanisms of the disease process and treatment regimens aimed at alleviating symptoms or limiting progression of the underlying etiology.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-019-14 **Let’s Talk about Hepatitis**  - Diane Siedlik, MT(ASCP)
Hepatitis markers used to diagnose Hepatitis A, B, and C can be very confusing. This presentation will utilize a case study approach to review how to diagnose Hepatitis A vs B vs C. This approach will also incorporate other laboratory tests that may lead to a viral hepatitis infection diagnosis. Transmission and prevention shall also be discussed.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-020-14 **Prenatal Serology Screening**  - Amy McDermott MLS(ASCP)™
Prenatal testing is vital to ensure a healthy gestation and infancy of every baby. This session will discuss why serological prenatal testing is so vital, discuss the clinical significance of common antibodies seen during pregnancy, and the different techniques to detect and monitor clinically significant antibodies.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.
Thursday, April 10th

This presentation will focus on the research project designed to collect data that informed the microbiology laboratory, infection control team, and providers regarding the resistance patterns of yeast isolates at The Nebraska Medical Center (TNMC) in Omaha, Nebraska. The development of the antibiogram provided guidance to the providers in the most effective antifungal regimens to use for empiric and prophylactic therapy according to the yeast species causing infection. In addition, the antibiogram exhibited the emergence of new acquired resistance patterns to antifungal agents. The study was designed to give insight for a larger scale policy change regarding treatment options and guidelines for fungal yeast infections.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-022-14 Bariatric Surgery, Laboratory and Nutritional Consequences – Corrigan L. McBride, MD, FACS
Discussion of bariatric surgery, nutritional consequences and laboratory monitoring.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-023-14 Red Blood Cell Antibodies - Susanne Bishop MLS(ASCP)
This session will review characteristics, presentation, prevalence, and clinical significance of red blood cell antibodies; the focus of the presentation will be on antibodies that are frequently encountered in the Blood Bank.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-024-14 Chlamydia: America's Number 1 Reportable Disease - Timothy R. "Robbie" Southern, PhD
*Chlamydia trachomatis* infection is the number 1 reportable disease in the United States. This session will summarize the basic biology of *Chlamydia trachomatis* as well as other *Chlamydia* species of human health concern. This session will also include discussion of chlamydial diseases, methods of detection and identification and general antimicrobial susceptibility patterns.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-025-14 Protecting A Sacred Trust - Christina Nickel, MHA, MLS(ASCP)
Laboratory Management has many facets which must be monitored and maintained in order to protect the sacred trust we have been given by patients. This overview of laboratory management will cover the “Big 3”: 1. Ensuring quality practices, 2. Ensuring regulatory compliance, and 3. Fostering an environment of employee engagement.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-026-14 Current Trends in Blood Utilization - Ramakrishna Reddy MD
Describe blood utilization management programs, review recent literature on blood transfusion guidelines, and discuss the Patient Blood Management program which is developed as a comprehensive blood utilization management program.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-027-14 The Future of Hematology: XN-Series - Val Henry, BS, MLS (ASCP) and Megan Krienert, BS, MLS (ASCP)
Insights into the Design & Performance of the XN-Series
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-028-14 CAP’s Commitment to Laboratory Improvement - Gene N. Herbek, MD, FCAP
Gene N. Herbek, MD, FCAP, president of the College of American Pathologists, will describe how the CAP’s laboratory improvement program has evolved to help laboratory professionals provide the high quality patient care. Dr. Herbek also will discuss the changes in the health care landscape, leading to new roles for laboratory professionals.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-029-14 Troubleshooting the Crossmatch - Farai Tsimba-Chitsva MLS (ASCP) SBB CM
Kassondra Frith MLS(ASCP) CM
The ultimate goal of the blood bank is to provide safe products for transfusion. The crossmatch is a critical step in this goal. What do you do when the crossmatch is unexpectedly incompatible? This presentation incorporates case studies to highlight the importance of performing a crossmatch, limitations of the crossmatch, and how to troubleshoot incompatible crossmatches.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-030-14 Freedom Works - US Senate Candidate Bartholomew L McLeay, JD.
Discussion of how Freedom works in the United States
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-031-14 Sofia and the Validation of E swabs for Group A Strep Testing - Robin Hanson, MT
Incorporating the use of the Quidell Sofia Strep A test with the Copan E-swab liquid amies media for the purpose of testing for Strep A from a throat swab. This class will teach the Sofia Strep A procedure, break down the steps used to evaluate the E swab liquid amies media and validate the Sofia Strep A procedure using E swab amies media in the event the E swab is not present.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-032-14 Using Crucial Conversations with Staff and Supervisors: How to Get Your Message Across in Challenging Situations - Patty J. Eschilman, MHA, MLS(ASCP)CM DLM CM
According to Crucial Conversations: Tools for Talking When Stakes are High (Patterson, Grenny, McMillan &Switzler, 2002) a Crucial Conversation is “A discussion between two or more people where (1) stakes are high, (2) opinions vary, and (3) emotions run strong” (pg.3) and the outcome greatly impacts each of their lives. These kinds of conversations have happened to each and every one of us, will continue to happen, and have happened between our loved ones, professional peers, and bosses. This presentation is for anyone wanting to grasp the tools necessary to take control of your emotions and steer conversations to safe waters so you can really get your message across.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-033-14 ABO Discrepancies - Susanne Bishop MLS(ASCP)CMSBB CM
This session will review causes of ABO discrepancies and techniques that can be used for ABO discrepancy resolution. Several case studies will be presented to correlate pattern of reactivity and patient history.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.
205-034-14 Microbiology 101 Review of the Basics - Christina Saum, MT(ASCP)
Culture results play an important role in determining the epidemiology of infectious diseases. Microbiology correlates the gram stain, organisms growing, and antibiotic efficacy to aid clinicians in patient care. This session will help those individuals who have been out of the field for a length of time to rediscover Microbiology. It will also be a good review for new graduates about to take the board exam.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-035-14 Titillating Tactics, Tips, and Tricks to Lead with Humor and Heart - Michael Dixon, BS
Humor can be the wrong choice if used at the wrong time or in the wrong way. This presentation will highlight ways that different tactics (some humorous and some serious and some a combination of the two) can help you provide effective leadership in the work environment. Discussion will be encouraged as well as sharing of the leadership experience.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-036-14 Impedership – Joseph G. Keary, MS, MBA
Are you a leader or an impeder? “Impeder leaders” are a major reason employees leave a job or are sub-par performers. Impedership describes a negative leadership style characterized by “demotivating” management style. We use cartoons from “Dilbert” to look at aspects of impedership that demotivate employees and end with formation of a personal “to-do list” to make us a motivational leader.
1.0 P.A.C.E. ® Contact hour of basic instruction.

Friday, April 11th

205-037-14 Conservative Solutions in Healthcare – Senate Candidate Dr. Ben Sasse, Ph.D.
Ideas for improving healthcare delivery presented by Senate Candidate Dr. Ben Sasse. Discussion of the role insurance companies and government play in healthcare.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-038-14 Mysterious Coagulation Results: Investigations and Solutions - Kathy Shingler, MT(ASCP)
We have all experienced those unusual coagulation results in the laboratory. How did you investigate them? This case based lecture reviews some of the common occurrences involving sample collection and processing and the effects on coagulation tests. Discussion will revolve around the investigation of the spurious results and how to avoid them. Additionally there are a few unusual patient cases that will keep you on your toes.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-039-14 Utilizing Molecular Technologies in the Clinical Lab, Review of Concepts -Sarah N. Buss, PhD,
This session will provide attendees with an overview of the polymerase chain reaction process (PCR) with an emphasis on considerations for utilization of PCR in a clinical setting. The presentation will include a review of nucleic acid biochemistry as it relates to the PCR, and a discussion of PCR components and nucleic acid extraction methods. Additional topics to be discussed include molecular workflow, prevention and remediation of nucleic acid contamination, and the selection of proper controls for molecular diagnostic assays.
1.0 P.A.C.E. ® Contact hour of basic instruction.
205-040-14 Progress in Molecular Diagnosis: Personalized Medicine - Timothy C. Greiner, M.D.
This session is designed as an introduction to the concept of personalized medicine for targeted cancer therapy. The identification of mutations or translocations of chromosomes by companion diagnostic tests qualify or disqualify a patient for specific drugs. The upward trend in FDA approved molecular tests will be described.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-041-14 Academic Integrity: What's the Big Deal? - Tiffany R. Colvin MHA, MLS(ASCP) CM
Students hear the words “academic integrity” over and over. So what’s the big deal? An interactive session based on real life scenarios of academic integrity issues and how integrity as a student translates to integrity and ethics as a professional in the clinical laboratory.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-042-14 Laboratorians are Essential Surveillance Partners - Justin A. Frederick, MPH, CPH
Collaboration among community partners is a vital component of public health practice. The relationship between laboratorians and health practitioners is essential to protecting the health of our communities. This presentation will define epidemiology, illustrate the importance of laboratory partnerships and explain the role of government in a disease outbreak.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-043-14 Legislative Update - Bruce R. Rieker, J.D.
This presentation will examine the latest legislative developments in health policy at the state and federal levels.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-044-14 Communication Biohazard - Chérie V. Petersen, BA
The laboratory plays an invaluable and enormously significant role in patient care. Given the laboratory’s valuable, what’s the one thing that could destroy it in a heartbeat? Communication issues! Laboratorians have all of this great, specialized expertise; however, sometimes the delivery sabotages the value. This session engages participants in a highly energetic, narrowly focused, interactive, humorous approach that allows them the opportunity to distinguish some of the bio-hazardous communications they engage in and then address more effective strategies to communicate their information, knowledge, and expertise.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-045-14 Hemostasis Review for the Core Laboratory MLS and MLT - Karen Keller MLS(ASCP) CM SH CM
Do you perform hemostasis testing, but don’t remember hemostasis theory? Do you need a refresher on what the PT and PTT test results mean? What coumadin and heparin do? How and WHY specimen integrity issues affect results? This talk is for you!
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-046-14 Emerging Technologies and the Cyclospora Outbreak - Sarah Buss, Ph.D.
The FilmArray GI Panel assay is a culture-independent molecular test that simultaneously detects 14 bacterial, 5 viral, and 4 protozoal targets (including Cyclospora cayetanensis) directly from stool specimens. There are obviously challenges associated with utilization of culture-independent molecular testing, and the
concomitant need for isolation of enteric bacteria required for further characterization or antimicrobial susceptibility testing. However, the recent Cyclospora outbreak did highlight a unique benefit provided by culture-independent methods. Review of the benefit of culture-independent assays will be discussed.

1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-047-14 Sudden Cardiac Death and The Molecular Autopsy - Erin Linde, M.D.
This session is an introduction to sudden cardiac death that introduces the genetic abnormalities of the heart that should be considered in autopsies which have no other clear cause of death.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-048-14 Preventing Hospital Acquired Venous Thromboembolism (VTE): The Role of the Clinical Laboratory - Judy Miller MT(ASCP)SH
The estimated annual incidence of deep vein thrombosis (DVT) and pulmonary embolism (PE), known collectively as thromboembolism (VTE), is approximately 900,000, resulting in an estimated 100,000 to >200,000 deaths/year. Approximately two-thirds of cases are associated with recent hospitalization. This session will review the laboratory’s role in the prevention of hospital acquired VTE.
1.0 P.A.C.E. ® Contact hour of basic instruction.

205-049-14 Elvis and Other Things in a Peripheral Smear – Darrell R. Lester, Jr., MD
This session is intended as a review of peripheral blood morphology with an emphasis on unusual findings such as presence of a rare blast and lymphoproliferative disorders.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.

205-050-14 Laboratory Safety and LRN Guidelines for Handling Hazardous Pathogens- Karen Graulich Stiles
This course will discuss biosafety and the role of the clinical laboratorian employed in a sentinel laboratory, including the presumptive identification of hazardous pathogens found naturally occurring as well as agents targeted for use in bioterrorism. Participants will learn about the basics of the Laboratory Response Network (LRN) guidelines to recognize, rule out and refer (ROAR) hazardous pathogens including Bacillus anthracis, Brucella spp, Burkholderia spp, Francisella and Yersinia pestis.
1.0 P.A.C.E. ® Contact hour of intermediate instruction.