



# ASCLS-Montana Annual Spring Meeting Exploring the Rivers of Change

April 14-17, 2010

## **Thursday April 15<sup>th</sup>**

### **General Session 1**

*Exploring the Rivers of Change-The Past Present and Future of the Clinical Laboratory*

Mr. J.R. Constance, MHA, MT (ASCP), ASCLS Region VIII Director

This session will provide an ASCLS Update on what has been happening with ASCLS this past year and what ASCLS is doing to address the personnel shortage, to promote the clinical laboratory profession by “Putting a Face” on the laboratory, and the collaborative efforts of ASCLS and other laboratory professional groups in the legislative arena. We will also discuss the recent NCA/BOR merger and what that means for you. In addition, we’ll take a look at the current state of the laboratory and make some educated guesses as to what we might see in the future.

### **General Session 2**

*Retirement Planning: Integrating Your Benefits*

Mr. Don Bothwell, Financial Advisor, Adolph and Bothwell Financial Advisors

Attendees will learn basic financial planning principles and how to use them in planning their retirement. Particular attention will be given on how to best use current employment benefits in their planning.

## **Thursday Breakouts 1330-1500:**

### **Breakout Session 3**

*Methicillin Resistant Staphylococcus aureus (MRSA)*

Frank Deleo, Ph.D. and Dr. George Risi, MD, NIH Rocky Mountain Laboratory

This session will be split into two parts. The first part will discuss MRSA virulence and immune evasion, and include an introduction to MRSA, *Staphylococcus aureus*, virulence, and immune and evasion mechanisms. The second part will cover diagnostics and treatment, with an update on community-associated MRSA.

### **Breakout Session 4**

*Blood Bank “Jedi Tricks”*

Paul J. Eastvold, M.D., M.T. (ASCP)

Sponsored by the American Red Cross Blood Services

This is a lecture on basic to advanced blood banking techniques which are applied to day-to-day problems encountered in the blood bank. It will range from basic pre-testing thinking, to following logical immunohematological thought processes, and applying those processes to bring resolution to basic, and perhaps, the more advanced problems which can be encountered in the blood bank laboratory.

## **Thursday Breakouts 1530-1700:**

### **Breakout Session 5**

*The New WHO Classification of Acute Leukemia*

Carl Muus, M.D., Missoula Pathology Associates

We will discuss the new WHO classification of acute myeloid leukemia and precursor neoplasms and correlate with the historical classification scheme. The importance of ancillary studies including flow cytometry, cytogenetics and molecular studies will be stressed. Emphasis will be placed on the role of the medical laboratory scientist in the diagnostic process.

### **Breakout Session 6**

*Surviving Sepsis*

Mr. John Ancy, MA, RRT

Sponsored by Instrumentation Laboratories

Sepsis and SIRS affect millions worldwide. The sepsis mortality rate is estimated at 25% with higher mortality rates in those who progress to sepsis induced multiple organ failure and/or acute respiratory distress syndrome. This presentation will cover causes, diagnosis and management of sepsis and related conditions. The recommendations of the 2008 international "Surviving Sepsis Campaign" are central to the presentation.

### **Breakout Session 7**

Student Poster Session

This session will consist of a variety of brief presentations from our very own Montana Medical Laboratory Science Program students. These students, currently in their internship year, will present a short overview of their laboratory science research poster projects. Project topics were chosen by each student and have been completed during their hospital internships this year.

## **Friday April 16<sup>th</sup>**

### **General Session 8**

*Strokes and Related Physiology*

John Schaeffer, D.O., Missoula Neurologist

Dr. Schaeffer specializes in Neurology and will be giving a discussion on Strokes and related physiology.

### **General Session 9**

*Put Yourself in the Drivers Seat of Your Life*

Ms. Jill Young, MS, CPC, Curry Health Center, Missoula

This powerful tool for personal transformation provides a gently guided 3-step process to move your life out of neutral and into the driver's seat. Discover and create an action plan reflecting your honest intentions for how you want to live your life, that are truly aligned with your core values.

## **Friday Breakouts 1300-1430:**

### **Breakout Session 10**

*Total Error vs Total Error Allowed Troubleshooting QC*

Ms. Amy M. Stanley, BSMT (ASCP)

Sponsored by Siemens Healthcare Diagnostics

This discussion will cover the scope of QC from setting ranges to comparisons and variance. How much variance is ok? How big can SD's be? These, as well as the differences between random and systemic errors will be covered in Troubleshooting QC.

**Session 11-** TBA

## **Friday Breakouts 1500-1630:**

### **Breakout Session 12**

*Basic Concepts in Molecular Diagnostic Testing: Clinical Applications for Molecular Testing in Coagulation*

Mr. Troy G. Lokken

Sponsored by Mayo Medical Laboratories

Venous thromboembolism, which is a syndrome of deep vein thrombosis and its complication, pulmonary embolism, is a common cause of death in the United States. In this presentation, the pathology and epidemiology of this main inherited prothrombotic risk factor will be reviewed. Additional thought will be given to the principles of genetic testing, detection methods, platform advantages and disadvantages, other testing considerations and caveats.

### **Breakout Session 13**

*Antimicrobial Susceptibility Testing Quality – Lessons Learned*

Ms. Debbie Gibson, MLS (ASCP) and Ms. Janet Stetzer, CLS, RS, Montana Public Health Laboratory

This session will discuss efforts to improve antimicrobial susceptibility testing practices in Montana. Through a series of surveys, the Montana Public Health Laboratory and clinical laboratory partners have worked to identify critical issues, and have provided reference materials and trainings to address gaps. We will discuss the changes that occur in this rapidly changing area, with some examples of lessons learned through this laboratory system initiative.

## **Saturday April 17<sup>th</sup>**

### **Saturday Breakouts 0830-1000:**

#### **Breakout Session 14**

*Use of the Hospital Laboratory by Forensic Pathologists*

Walter Kemp, M.D., Montana Forensic Laboratory

This session will present case studies to illustrate how forensic pathologists use a lab to help determine diagnosis. These case studies will also discuss the relevant pathology, the specific laboratory tests that are necessary, and the associated conditions.

#### **Breakout Session 15**

*Pancreatic Diseases: A Review*

Paul B. Kilzer, M.D., Missoula Pathology Associates

Discussion will review pancreatic anatomy, histology and physiology. As well as major pancreatic diseases and associated laboratory findings.

### **Saturday Breakouts 1030-1200:**

#### **Breakout Session 16**

*Designing a Quality Management System for Your Laboratory*

Ms. Susanne Norris Zanto, MLS (ASCP)<sup>CM</sup>, SM(NRCM), Montana Laboratory Services Bureau

Laboratory system quality improvement is an ongoing process. This session will discuss the twelve quality system essentials that function as building blocks for a quality management system. As part of laboratory improvement, new tests may be introduced. Tips for the establishment of performance characteristics for verification of new testing methods for both FDA cleared, off label, and laboratory developed tests will also be discussed.

#### **Breakout Session 17**

*Veterinary Hematological Lab Medicine*

Shoni Card, DVM, Pruyn Veterinary Medicine- Missoula, MT

Discussion will include an overview of normal/abnormal hematology veterinary morphology.