



## EDUCATIONAL PROGRAM

**April 16-17, 2021 Note: all session times are MDT**

### **FRIDAY, APRIL 16, 2021**

**KEYNOTE: 8:30 am-9:30 am**

**Session 1: Who We Were, Are and Need to Be: Our Valuable Contributions to Healthcare**

**Speaker: Elissa Passiment, Ed.M., CLS, MT(ASCP)**

**Level of Instruction: Intermediate**

**Contact Hours: 1.0**

Laboratory Professionals have always contributed to the science of medicine, enabling everyone on the health care team to provide quality care. Our invaluable information will expand our roles for years to come. Changing reimbursement, FDA laboratory developed test guidance, new medical coverage, CLIA Quality Systems regulations, patient access to laboratory reports, patient safety emphasis and the advancements in our science all have implications for the practice of laboratory science that will change our approach to delivering our services dramatically – or leave us behind. We will discuss the challenges of effectively managing in the current environment while attempting to be agile enough for whatever we face in the future. We will look initiatives focusing on what our laboratories should be like, what kinds of service we should provide, utilization efforts around the country and the credibility of laboratorians to determine where we might be headed.

At the end of the session, the participant will be able to:

- Identify economic factors that have affected the laboratory over our history
- Discuss current and future scientific and service trends to our profession
- Analyze changes needed to provide quality laboratory care in the future

### **Friday General Session: 9:45-10:45 am**

#### **Session 2: If Montana Can Do It**

**Speaker: Cara Bushmaker and Dr. Rodney Rohde**

**Level of Instruction: Intermediate**

**Contact Hours: 1.0**

The presenters will highlight the roles in which ASCLS-MT uses each social media outlet. They will share their knowledge of best practices, their own success stories, and their advice on lessons learned while utilizing social media and leveraging social media as a platform to disseminate the ASCLS brand, research and raising visibility of our profession to a wider audience.

At the end of the session, the participant will be able to:

- Describe how Montana is using social media to promote Clinical Laboratory Science and ASCLS.
- Discuss and illustrate examples of using Twitter, LinkedIn, Facebook and other digital media platforms.
- Explain best practices of using social media, including how to grow and engage your audience and measuring your success.

### **Friday General Session: 10:55 am-12:25 pm**

#### **Session 3: Montana State University-MLS Class of 2021 Student Research Presentations**

**Speaker: Montana Medical Laboratory Science Students**

**Level of Instruction: Intermediate**

**Contact Hours: 1.0**

This is an interactive session in which participants will be able to move in and out of 'breakout rooms' in the Zoom meeting hall and talk with students one-on-one regarding their project presentations. Student presentations will be pre-recorded and available to attendees for viewing prior to the meeting. Students will submit questions for participants to answer for continuing education credits. Subjects cover a broad range of clinical laboratory science topics, including new testing methodologies, specific disease processes and infectious disease.

At the end of the session, the participant will be able to:

- Discuss one new laboratory testing methodology presented in a research project
- Describe a novel approach to testing/diagnosis as presented in a research project

### **Virtual Vendor Hall: 12:30 -1:25 pm**

Vendors will provide a short presentation about their latest products and instrumentation in this version of Speed Dating. Tune in to hear their presentations, then come back Saturday and meet with vendors one-on-one in the 2-hour virtual vendor hall.

### **ASCLS-MT Annual Business Meeting: 1:30 -2:30 pm**

As a chapter of ASCLS, ASCLS-MT is required to hold a yearly business meeting. This meeting will include election of ASCLS-MT Officers, election of delegates to the National meeting, and approval of the 2021-22 budget.

## **Friday Breakout Sessions: 2:45-3:45 pm**

### **Session 4: The Latest on Acute and Chronic Kidney Disease**

**Speaker:** Elissa Passiment, Ed.M., CLS, MT(ASCP)

**Level of Instruction:** Intermediate

**Contact Hours:** 1.0

The presentation will explain the importance of detecting acute kidney injury (AKI) as evidence continues to mount that AKI is a major risk for chronic kidney disease (CKD) and organ failure. To help physicians evaluate their patients' kidney status, laboratory professionals must use the most current staging of renal disease to identify each type, analyze the various equations in use (including elimination of race factors), and possible new ones, and how they are being used, offer the latest biomarkers and be prepared to explain the controversy surrounding the interpretation of the results. The increase in AKI in COVID patients and the long-term impact on patients who do not recover completely will be discussed.

At the end of the session, the participant will be able to:

- Define acute kidney injury (AKI) and chronic kidney disease (CKD)
- Discuss the challenges to diagnose both types of kidney disease
- Analyze the latest biomarkers and classifications for AKI and CKD
- Evaluate the tests and calculations for kidney disease for efficacy

### **Session 5: Body Fluid Processing and Differentials**

**Speaker:** Dr. Kelli Schneider

**Level of Instruction:** Intermediate

**Sponsor:** Yellowstone Pathology Institute

**Contact Hours:** 1.0

This session will be a review of normal and abnormal body fluid components with emphasis placed on differentiating monocytes and mesothelial cells, and reactive/atypical mesothelial cells from malignant cells.

At the end of the session, the participant will be able to:

- Recognize and differentiate normal cellular components of body fluids
- Recognize abnormal cellular components of body fluids
- Reasonably distinguish between reactive, atypical mesothelial cells, and carcinoma cells

## **Friday General Session: 4:00-5:00 pm**

### **Session 6: Pandemics: Yesterday, Today and Tomorrow**

**Speaker:** Marshall Bloom, MD

**Level:** Basic

**Sponsor:** Rocky Mountain Laboratories

**Contact Hours:** 1.0

This session will be a lecture style format with ample time for Q&A.

At the end of the session, the participant will be able to:

- Differentiate a pandemic from an outbreak or an epidemic
- Provide several examples of how pandemics emerge
- Describe several past pandemics
- Have a basic understanding of the current COVID-19 pandemic

## **SATURDAY, APRIL 17, 2021**

### **General Session 8:00-9:00 am**

#### **Session 8: DCLS: Who, What, When, Why & How?**

**Speaker:** K. Lindsey Davenport-Landry, MS, MLS(ASCP)<sup>cm</sup>

**Level:** Intermediate

**Contact Hours:** 1.0

Lindsey will discuss Who is the DCLS? What the DCLS job roles are. When should DCLS should be involved? Why DCLS is important for the laboratory. How to become a student/resident/practitioner. She will explain how to reach the residency and what a day looks like for a resident. What all is involved for a resident learning laboratory medicine and how it differs from a pathology resident. She will also answer questions for those who have specific inquiries about the DCLS.

At the end of the session, the participant will be able to:

- Describe what the role of a DCLS is within laboratory medicine and healthcare.
- Compare other laboratory positions to the role of the DCLS.
- Explain what benefits a DCLS can provide to a large or a small healthcare system.

### **General Session 9:15-10:45 am**

#### **Session 8: Montana State University-MLS Class of 2021 Student Research Presentations**

**Speaker:** Montana Medical Laboratory Science Students

**Level of Instruction:** Intermediate

**Sponsor:** Montana State University/ASCLS-MT

**Contact Hours:** 1.0

This is an interactive session in which participants will be able to move in and out of 'breakout rooms' in the Zoom meeting hall and talk with students one-on-one regarding their project presentations. Student presentations will be pre-recorded and available to attendees for viewing prior to the meeting. Students will submit questions for participants to answer for continuing education credits. Subjects cover a broad range of clinical laboratory science topics, including new testing methodologies, specific disease processes and infectious disease.

At the end of the session, the participant will be able to:

- Discuss one new laboratory testing methodology presented in a research project
- Describe a novel approach to testing/diagnosis as presented in a research project

### **Virtual Vendor Hall: 11:00 am -1:00 pm**

Meet with our vendors one-on-one in 'breakout rooms'. Bring your questions from watching their presentations on Friday.

### **ASCLS-MT Awards and Installation of Officers: 1:30 -1:30 pm**

Join ASCLS-MT leadership in recognizing our members for their service to the Society and in the installation of the 2021-2022 ASCLS-MT Officers. This will include Omicron Sigma, Key to the Future,

Longevity recognition, especially for two 40-year members, Student Intern of the Year, Student Poster of the Year, and Member of the Year.

### **Saturday Breakout Sessions 1:45-2:45 pm**

#### **Session 9: High Reliability Organizations – Applications in Healthcare**

**Speaker: Rick Panning, MBA, MLS(ASCP)<sup>CM</sup>, Senior Healthcare Consultant, ARUP**

**Level of Instruction: Intermediate**

**Contact Hours: 1.0**

High reliability organizations are organizations that operate in complex, high-hazard domains for extended periods without serious accidents or catastrophic failures. Often high reliability involves effective standardization of health care processes. This session will demonstrate how High reliability means consistent excellence in quality and safety across all services maintained over long periods of time. It should result in an organizational safety culture where all staff can speak up about things that would negatively impact the organization and its customers (patients).

At the end of the session, the participant will be able to:

- Understand the role of leadership in setting the tone for the culture of HRO
- Describe how High Reliability Organizations set the stage for a culture of safety
- Provide examples of how the widespread adoption and deployment of HRO involves process improvement tools and methods

#### **Session 10: Molecular Testing for Cancer During the COVID-19 Pandemic: Survey Results from the Association for Molecular Pathology**

**Speaker: Dr. Robyn Temple Smolkin and Dr. Tara Burke**

**Level of Instruction: Intermediate**

**Contact Hours: 1.0**

The Association for Molecular Pathology's (AMP) series of laboratory surveys have demonstrated how supply and staff shortages were affecting SARS-CoV-2 diagnostic testing. Our most recent survey endeavored to better understand how COVID-19 has affected clinical molecular testing more broadly, with a focus on molecular testing for cancer during the pandemic.

At the end of the session, the participant will be able to:

- Describe AMP efforts to understand the impact of SARS-CoV-2 testing on the clinical laboratory community.
- Identify key challenges to the laboratory community for providing SARS-CoV-2 clinical testing during the COVID-19 pandemic.
- Describe AMP's recommendations to effectively leverage America's large and diverse laboratory network to best respond to the Coronavirus pandemic.

*The Cancer Diagnostic Testing Amidst COVID-19 Pandemic Survey was made possible with support from Amgen and Pfizer*

## **Saturday Breakout Sessions 3:00-4:00 pm**

### **Session 11: Using Dashboards for Quality Improvement**

**Speaker: Cody L. Custis, M.S., STATinMED Research**

**Level of Instruction: Basic**

**Contact Hours: 1.0**

Participants will learn the basics of dashboards with applications from laboratory data. Participants will learn about software, common terminology, and case studies in COVID-19 testing, lab quality improvement, and public health dashboards.

At the end of the session, the participant will be able to:

- Understand the advantages and disadvantages of dashboard software
- Identify and use common features, such as sliders and slicers to explore data
- Learn common dashboard visualization techniques, such as cards and bar charts and how those are used to track.

### **Session 12: Blood Transfusions in Montana: Where are we? Where are we going?**

**Speakers: Gordon Riha, MD, FACS and Alyssa Johnson, RN, MSN, CEN, TCRN**

**Level of Instruction: Basic**

**Contact Hours: 1.0**

Presentation discussing the most current blood transfusion data for trauma with a focus on Montana's challenges for providing this life-saving necessity for patients. We will discuss a recent project focusing on a novel concept of an Interfacility Blood Network. What that is; what that means; and how lab/blood bank staff can be supportive.

At the end of the session, the participant will be able to:

- Be able to discuss recent changes in transfusion strategies for trauma
- Be able to recognize how living in Montana presents unique challenges for transfusion in trauma
- Understand the goals and purpose of development of the Montana Interfacility Blood Network

## **Saturday General Session 4:15-5:15 pm**

### **Session 13: Coping Our Way Out of This Pandemic... One Breath at A Time**

**Speakers: Rebecca E. Mann, LCSW of Mountain Crest Counseling, PC**

**Level of Instruction: Intermediate**

**Contact Hours: 1.0**

There is no doubt this Pandemic has been hard on a lot of people, but it's been especially hard on Laboratorians! During this session you will have the opportunity to self-assess the impacts of the Pandemic on your own mental health, learn some strategies on how to cope and learn where to go for additional support. Rebecca will offer validation of what you may have found yourself going through, demonstrate and model coping skills to help get through this thing. Consider this a therapeutic session for yourself. You will likely laugh a little, maybe? hold back a few tears, and leave feeling like you got a fresh breath of "I can do this!"

At the end of the session, the participant will be able to:

- Assess personal symptoms of depression or anxiety
- Describe some coping skills to help manage the stress and demands of your job during this pandemic
- Identify at least one place to seek support if needed