

Welcome to the 59th Annual Intermountain States Seminar



The 2022 Region VIII IMSS Planning Committee, consisting of representatives from the five states in the Region, has put together the 59th Intermountain States Seminar! This regional conference will mark the final year of excitement and learning with great topics, speakers, exhibitors and much fun! All events will take place at the Snow King Resort in beautiful Jackson, Wyoming. For the past 59 years, the Intermountain States Seminar has been a staple for continuing education for laboratory professionals in the five-state Intermountain Region including Colorado, Idaho, Montana, Utah and Wyoming. Let's have some fun while keeping abreast of the latest technologies and visiting with our friends and colleagues!

Please join us for our Keynote address by **Dr. Michael Astion**, entitled "Turning Adversity into Quality in the 4 Clinical Laboratory" Then, choose from among many first-rate P.A.C.E.® - accredited general and breakout sessions for updates and information on a variety of topics and disciplines in laboratory medicine. No matter what you do in the laboratory, we have a session for you!

We have invited exhibitors from many of the companies that make instruments, reagents, and supplies used in the laboratory every day. Please make a point to come to our exhibitor sessions and visit with them. They can answer your questions and show you updates on equipment and new tests available. Without their participation this meeting would not be possible!

The 59th IMSS is going to be packed with social events, prizes, friends and colleagues! The fun starts with the Thursday morning opening and keeps right on going through the "Let's Gather One More Time!" Friday night social and Scientific Assembly roundtable sessions and continental breakfast Saturday morning!

History of the Intermountain States Seminar

The idea of establishing an Intermountain States Seminar originated with the Utah Society for Medical Technology in 1962. In 1963, Idaho joined Utah in promoting this idea and offered to act as the first host state. Jackson Hole, Wyoming was proposed as the meeting site if Wyoming would join forces. Not only did Wyoming agree, but Montana also wanted to participate in the venture. All four states realized a combined seminar would provide noted speakers, quality workshops, and exhibitor participation. Colorado joined the Intermountain States Seminar as the fifth state in 1970.

The first seminar was held in May of 1964 at the Wort Motor Hotel. Subsequent meetings have been held in September at the Wort; Jackson Hole Lodge; Sun Valley, Idaho; and, the Virginian and the Snow King Resort in Jackson. The five states developed a rotation for hosting the annual convention as follows: Idaho, Utah, Colorado, Wyoming, and Montana.

In 1967, a Coordinating Committee was established to assist in planning and to provide continuity to the Seminar. The Coordinating Committee was comprised of two members from each of the five states, serving terms of five years. Exhibitor liaisons were also members of this committee. The Planning Committee from the host state organized the many aspects of the seminar.

American (later Baxter) Scientific Products established the "IMSS Medical Technologist (Clinical Laboratory Scientist) of the Year" award in 1966. Each participating state submits a nominee for this award. Billings Clinic is the current sponsor of this award.

In 2013, the decision was made to have Region VIII become the official sponsor and host of future Intermountain State Seminars. A joint Seminar was held in 2014 with the Coordinating Committee and Region VIII hosting, and for the first time in 2015, IMSS was hosted by ASCLS Region VIII.

This year's IMSS will be the final conference. Changing methods of obtaining continuing education credits with resulting decreased attendance at in-person meetings, as well as increasing expenses to hold meetings has led to this decision. We hope you enjoy the final IMSS!

IMSS Planning Committee

General Chair	Lisa Platter
Program	Mary Galindo Holly Weinberg
Sponsorship	Cathy McNary Erika Buchanan
Social	Tina Dihle Jessica Lawless
Exhibits.....	Ian Wallace Robyn Sorrell
Registration	Jennifer Wolcott Emily Haight
Publicity	Debbie Shell
P.A.C.E.® Coordinator.....	Omar Munoz
Finance.....	Cathy McNary
Awards.....	Jessica Lawless

State Society Presidents

ASCLS-Colorado	Erika Buchanan
ASCLS-Idaho	Lisa Platter
ASCLS-Montana	Sadie Arnold
ASCLS-Utah	Omar Munoz
ASCLS-WY.....	Leslie Richendifer

Nominees for Region VIII 2022 MLS of the Year

Colorado	Ian Wallace
Idaho	Debbie Shell
Montana.....	Holly Weinberg
Wyoming.....	Barbara Harvey
Utah.....	No Nominee

Registration Hours

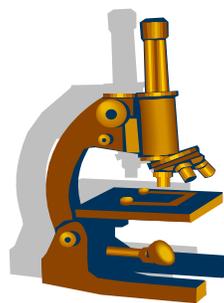
Thursday, October 6	7:00 am – 11:00 am
Grand View Lodge	
Friday, October 7	7:00 am – 11:00 am
Grand View Lodge	
Saturday, October 8	7:00 am – 8:30 am
Grand View Lodge	

General Information

- Badges must be worn for admission to all sessions, social functions and exhibits.
- Please silence all electronic devices during educational sessions and meetings.
- Smoking is not allowed in any event.
- Dress is casual.

Table of Contents

➤ IMSS Welcome / History.....	1
➤ Committee Members / Awards / State Presidents	2
➤ Registration Hours / P.A.C.E.®/Sponsors	2
➤ Social Events.....	3
➤ Exhibit Hour /Exhibitors	3
➤ Program Overview	4
➤ Thursday Educational Sessions.....	5-7
➤ Friday Educational Sessions	8-10
➤ Saturday Educational Sessions.....	11-12
➤ Speakers.....	13-17
➤	



P.A.C.E.® Continuing Education

The American Society for Clinical Laboratory Science is a provider of continuing education programs in the medical laboratory sciences through the ASCLS Professional Acknowledgment for Continuing Education (P.A.C.E.®) Program. All 2022 IMSS educational sessions have been approved through the ASCLS PACE certification and administered by Omar Munoz and ASCLS-Utah. P.A.C.E.® credits are accepted by the American Society for Clinical Pathology (ASCP) Certification Maintenance Program. P.A.C.E.® credits are obtained on-line using a code given out at the end of each educational session. Check your registration bag for more information.

Sponsors

Abbott Rapid Diagnostics
American Red Cross
ARUP
bioMerieux
Binding Site
Billings Clinic
Bio-Rad Laboratories
Center for Phlebotomy Education
Cepheid
General Water
J.R. Constance and Associates
Immucor
Intermountain Healthcare
Labcorp
Medical-Chemical Corporation
Mountain View Hospital
Bags/Folders?
Quest Diagnostics
Roche Diagnostics
Sysmex America
TriCore Reference Laboratories
Yellowstone Pathology Institute

Social Events

Thursday Opening Ceremony 8:00am-8:30am
Snow King Resort

Thursday Lunch 10:45am-1:15pm
With the Exhibitors at the Snow King Resort

Thursday Evening 5:30pm-7:30pm
Appetizers and Silent Auction with the Exhibitors at the Snow King Resort

Friday Lunch 11:30 am -1:30 pm
With the Exhibitors at the Snow King Resort

Friday Evening: 5:30 pm-8:30 pm
Let's Gather One More Time!
Snow King Resort

Saturday Morning 8:00 am - 8:30 am
Scientific Assembly Breakfast
Snow King Resort

Exhibitor Hours

Snow King Resort

Please visit the Exhibitors and thank them for supporting IMSS and our profession.

Thursday, Oct. 6 10:45 am – 1:15 pm

5:30 pm – 7:30 pm

Friday, Oct. 7 11:30 am – 1:30pm

**59th Annual
IMSS 2022**

**A Year to
Remember**



Exhibitors

Abbott Diagnostics	Intermountain Healthcare
Accelerate Diagnostics	Kurin
ARUP	Medical Chemical Corp.
Beckman Coulter	Medline Industries
Binding Site	MeMed USA
bioMerieux	Ortho Diagnostics/Quidel
Bio-Rad	Radiometer
Bruker	Roche
CAP	Rush
Cepheid	Sebia-USA
Cue Health	Sekisui-DX
Diagnostica Stago	Siemens
Diasorin/Luminex	Sysmex
EliTech	t2 Biosystems
General Water	ThermoFisher
GFMD	Weber State
Gold Standard Diagnostics	Werfen
Greiner Bio	WSLH
Hettich	Becton Dickinson
Hologic	Henry Schein
Immucor	

See the complete list of Exhibitors and Sponsors in your Registration Bag.

IMSS 2022 Program Overview

Wednesday, October 5

3:00 pm IMSS Planning Committee Meeting,
4:00 pm ASCLS Region VIII Council Meeting

Thursday, October 6

7:00 am – 11:00 am Registration
Grand View Lodge
8:00 – 8:30 am Opening Ceremony and Announcements
Grand View Lodge
8:30 – 9:30 am **Keynote Address**
Grand View Lodge

KEYNOTE (Session 1)
**Turning Adversity into Quality in the Clinical
Laboratory**

9:30 – 9:45 am Networking Break
9:45 – 10:45 am **General Session**
Grand View Lodge

Advocating with the C-Suite (Session2)

10:45 am – 1:15 pm Lunch with Exhibitors
Snow King Resort
1:30 – 2:30 pm **Breakout Sessions 3, 4, and 5**
Grand View Lodge
2:30 – 2:45 pm Networking Break
2:45 – 3:45 pm **Breakout Sessions 6, 7, and 8**
Grand View Lodge
3:45 – 4:00 pm Networking Break
4:00 – 5:00 pm **General Session (Session 9)**
Grand View Lodge
5:30 - 7:30 pm Exhibitor Reception and Silent Auction
Snow King Resort

*All proceeds from the Silent Auction will benefit the
ASCLS Region VIII Leadership Academy.*

Handouts

Prior to attending the sessions, attendees will need to
print handouts by visiting online at:
<http://imss.asclsregionviii.org>

A password is required for accessing and printing
session handouts desired. The password will be
provided with your registration confirmation via
email.



**Please note: All educational sessions will be held at
the Grand View Lodge**

Friday, October 7

7:00 am – 11:00 am Registration
Grand View Lodge
8:30- 9:30 am **General Session (Session 10)**
Grand View Lodge
9:30 - 9:45 am Networking Break
9:45 -10:45 am **General Session (Session 11)**
Grand View Lodge
**10:45 – 11:30 am ASCLS Region VIII Awards and
ASCLS Updates**
Grand View Lodge

Jessica Lawless, ASCLS Board of Directors

11:30 am - 1:30 pm Lunch with Exhibitors
Snow King Resort
1:30 – 2:30 pm Breakout Sessions 12, 13, and 14
Grand View Lodge
2:30 – 2:45 pm Networking Break
2:45 – 3:45 pm Breakout Sessions 15, 16, and 17
Grand View Lodge
3:45 – 4:00 pm Networking Break
4:00 – 5:00 pm Breakout Sessions 18, 19, and 20
Grand View Lodge
5:30 – 8:30 pm Social “Let’s Gather One More Time!”
Snow King Resort

Saturday, October 8

7:00 am – 8:30 am Registration
7:30 – 8:30 am Scientific Assembly Roundtables (Session 21)

Take advantage of this opportunity to enjoy a light breakfast
while networking with other Medical Laboratory Scientists in
your field of interest!

**The SA and Breakfast is included with your
registration!**

Issues relevant to specific disciplines in clinical laboratory
practice will be discussed during these interactive roundtable
sessions. Participants will have the opportunity to share
experiences and concerns with the other attendees, brainstorm
possible solutions to problems, and learn best practices that
have been implemented at other facilities.

8:45 – 9:45 am **Breakout Sessions 22 and 23**
Grand View Lodge
9:45 – 10:00 am Networking Break
10:00 – 11:00 am **Breakout Sessions 24 and 25**
Grand View Lodge



THURSDAY, OCTOBER 6, 2022

Keynote Address: Turning Adversity into Quality in the Clinical Laboratory (Session 1)

Speaker: Dr. Michael Astion

Level of Instruction: Basic

In this session we go right at some of the tougher issues in improving lab quality. These include managing disruptive behavior, improving work culture, managing pathologists who prefer to avoid harder lab quality issues, and turning around sections of the lab that are in distress. The methods discussed are not expensive, but they are not easy. Tips, tricks, and procedures will be shared to make the quality journey a little bit easier. You will laugh, you will cry and we will all grow and improve.

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

- Define two types of disruptive behavior in your lab and 1 way to overcome disruptive behavior to improve lab quality.
- Describe two approaches to improving quality in a section of the laboratory that is significantly underperforming
- List two reasons why laboratory staff can become disconnected from the patient's experience, and two ways to overcome this disconnection.

General Session: Advocating with the C-Suite (Session 2)

Speaker: Rick Panning

Level of Instruction: Basic

Sponsor: ASCLS Region VIII

Advocacy for our profession is often described in terms of the activities we carry out with regulators, legislative and the public. This session will describe the benefits of advocating within our workplace organization, specifically with the leadership (i.e. the C-Suite). Raising awareness and demonstrating how the laboratory impacts the quality and finances of a healthcare institution will elevate the profession.

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

- Describe why proactive advocacy within your organization's C-Suite leaders is beneficial for both the laboratory and the broader organization
- Discuss what is important to your organization's leaders and adapt your strategies to be in alignment
- Demonstrate how your advocacy with the C-Suite and other healthcare leaders impacts the staff in your laboratories and the performance of your organization.

BREAKOUT SESSIONS 1:30-2:30 pm

Session 3: Choosing the Correct ANA Methodology

Speaker: David Tomichek

Level of Instruction: Basic

Sponsor: Bio-Rad

This session examines the various methods for ANA detection: IFA, EIA and MBIA. It discusses the strengths and weaknesses of each method and their role in choosing the appropriate algorithm.

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

- Define the various methods for ANA testing
- Discuss the advantages and disadvantages of each ANA technology
- Utilize the various methodologies to create the appropriate testing algorithm for their laboratory

Session 4: Handling those Tricky Specimens... What's a Tech to Do?

Speaker: Becky Socha

Level of Instruction: Basic

Sponsor: Sysmex

Autovalidation of normal results in today's clinical laboratories provides lab techs with time to investigate abnormal and problematic samples. This session will discuss factors that can adversely affect sample integrity and suggestions for troubleshooting spurious WBC and RBC counts. Cases will be reviewed to identify causes of unreportable WBC counts, flagged reticulocyte counts, and abnormal RBC indices. Steps will be followed using clues from the sample and the patient's history, so problematic samples results can be accurately reported.

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

- Distinguish true abnormal from spurious results.
- Use scattergram and histogram patterns to help recognize problem samples.
- Describe the steps for investigating problematic samples to obtain and report accurate results.

Session 5: Implementation of POC Molecular COVID Testing During a Pandemic

Speaker: Mary Hammel

Level of Instruction: Intermediate

Sponsor: Cepheid

Implementing a point of care molecular platform on a large scale during a pandemic presents unique opportunities and barriers. This session will provide an overview of how a large hospital system was able to accomplish this task quickly.

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

- Observe implementation process of POC PCR in a clinic setting
- Understand potential barriers/risks to a large POC analyzer implementation in a clinic setting
- Review regulatory/safety considerations of implementing COVID testing in a clinic setting

Session 6: NTproBNP - Past, Present and Future

Speaker: Alexander Fohl, PharmD

Level of Instruction: Basic

Sponsor: Roche

This session will be a discussion of the use of NTproBNP and how it has impacted the treatment and monitoring of Heart Failure and potential future use in Type 2 Diabetes.

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

- Explain the benefit of NTproBNP
- Describe the use of NTproBNP in Heart Failure management
- Discuss the future utility of NTproBNP with Type 2 Diabetes

Session 7: And The Verdict Is...

Speaker: Shanise Keith

Level of Instruction: Intermediate

Sponsor: Center for Phlebotomy Education

This presentation will discuss real-life legal cases involving phlebotomy-related injuries, how they were caused, and how to avoid them. Cases will be examined to determine how injury could have been prevented if the standards had been properly followed, and who was ultimately at fault – the healthcare professional or the facility.

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

- Identify the most common injuries poor phlebotomy technique inflicts upon patients
- Associate errors in technique, judgment, and supervision with phlebotomy-related injuries
- Evaluate their personal vulnerability or the vulnerability of their facility to phlebotomy-related lawsuits.

Session 8: So You Want to Be a Consultant?

Speaker: J.R. Constance

Level of Instruction: Intermediate

Sponsor: J.R. Constance and Associates

Session will begin with of a brief overview of non-CLIA Laboratory consulting focused on cost savings and process redesign, with the remaining time consisting of group participation in a semi-game show atmosphere where the host will ask consulting related questions and then give audience an opportunity to choose from multiple choice answers using their smart phone or tablet, with discussion following each question. Prizes will be awarded.

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

- Speak about several different types of non-CLIA related Laboratory consulting
- Discuss real world examples of laboratory cost savings and operational improvement
- Describe some best practices in Laboratory operations

General Session: Moving the Practice of Transfusion Medicine into the Future of Healthcare

Speaker: Dr. Walter Kelley

Level of Instruction: Intermediate

Sponsor: American Red Cross

The challenges of professionals working in the current blood banking environment will be discussed. The variety of training and educational pathways will be discussed. Opportunities for individual growth and professional education will be presented. The impact of cutting edge developments in blood banking on career directions and opportunities will be discussed.

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

- Describe challenges to current education and training pipelines in blood banking
- Discuss opportunities for career advancement and knowledge enhancement in blood banking
- List new areas of advancement and opportunities for blood bank professionals

General Session: As Time Goes By (Session 10)

Speaker: Jewell Zweegman

Level of Instruction: Basic

Sponsor: Billings Clinic

As time goes by, will you make sure that you remember the good times, have you learned from the bad. We all need to reflect but on what? As Time Goes By hmhhh.....

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

- Knowledge of reflection and goal setting.
- Learn basic principles on being a good team worker.
- Distinguish between honoring a memory and learning from it whether good or bad.

General Session: Community Power in Advocacy (Session 11)

Speaker: Debbie Shell

Level of Instruction: Intermediate

Sponsor: ASCLS Region VIII

This session will update participants on current legislative and regulatory issues that clinical laboratories and their professionals are facing; we will also share strategies that can enhance a strong community that successfully advocates on behalf of the profession.

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

- Discuss current legislative and regulatory issues impacting clinical laboratories and professional staff
- Explain the importance of a powerful advocacy community
- Describe tactics and strategies used in successful advocacy

BREAKOUT SESSIONS 1:30-2:30pm

Session 12: Microbiology and Your Grocery List

Speaker: Andrea Prinzi

Level of Instruction: Basic

Sponsor: bioMerieux

Can the organisms that make us sick also play an important role in food production? Learn about the microbes that show up in both the clinical microbiology laboratory and the food on your dinner plate.

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

- Describe the clinical and diagnostic characteristics of Fusarium, Saccharomyces, and Enterococci
- Understand the role of various microorganisms in food production
- Articulate the possible risks to human health associated with the use of microorganisms in food production

Session 13: Work Life Balance, Achievable but Takes Effort

Speaker: Rick Panning

Level of Instruction: Basic

Sponsor: ASCLS Region VIII

Work-Life balance is a topic often discussed as a goal we all try to achieve but often seems unattainable. This session will review some basic principles that we all can put into place to help us work toward balance in our work and personal lives. This starts with being clear on what our values are and how we prioritize them. Equally important is how we prioritize what we are trying to achieve at work and focusing on those things that are the most important. At a time when personnel shortages

seem to be prevalent in our profession and burnout seems all too common, our ability to achieve this much-needed balance is more important than ever.

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

- Describe how many factors are competing for time in your life.
- Describe methods and the effort required to achieve balance in your life.
- Discuss the consequences when one part of your life gets out of balance

Session 14: Cytokines and COVID-19

Speaker: Lisa Peterson

Level of Instruction: Intermediate

Sponsor: ARUP

Cytokines are important mediators of inflammation. In this session, we will review the current knowledge of COVID-19 associated cytokines, their roles in host immune and inflammatory responses, the clinical significance and utility of cytokine immunoassays in COVID-19 patients, as well as the challenges in implementation and interpretation of cytokine immunoassays.

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

- Explain the role of cytokines in inflammation
- Describe the use of cytokine testing in patients infected with SARS-CoV-2
- Discuss the challenges associated with cytokine testing

BREAKOUT SESSIONS 2:45-3:45 pm

Session 15: Parasite Panels vs. Routine Methods: Pros/Cons

Speaker: Lynne Garcia

Level of Instruction: Intermediate

Sponsor: Medical Chemical Corporation

The session will discuss newer practical diagnostic methods (including molecular panels), review of organism pathogenicity of panel targets, pros and cons of molecular methods vs routine methods, issues related to non-pathogens, and reporting comments. As neglected parasitic infections become more widely recognized, the need for better patient care continues to expand.

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

- List pros/cons of molecular panels compared with routine methods
- Discuss diagnostic issues related to non-pathogenic organism testing
- Discuss the importance of test result comments related to organism pathogenicity

Session 16: Clinical Chemistry Review

Speaker: Toni Clinton

Level of Instruction: Intermediate

Sponsor: Labcorp

This discussion will provide a review of basic clinical chemistry. The physiological importance of key analytes will be presented and discussed using case histories. The impact of preanalytic variables on methods and results will also be discussed.

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

- Discuss the importance of preanalytic variables on clinical chemistry results.
- Describe how routine clinical chemistry analytes impact physiological function.
- Relate the significance of clinical chemistry results in the diagnosis of specific disease states.

Session 17: Designing and Moving a Clinical Laboratory: Lessons Learned

Speaker: Robyn Sorrell

Level of Instruction: Basic

Sponsor: ASCLS Region VIII

This session will explain the key steps in designing a new laboratory, including the importance of staff input and buy-in. The design and construction process will be examined and key milestones highlighted. The essential planning steps for moving an established laboratory and lessons learned will be discussed.

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

- Identify the key steps in the design of a new laboratory
- Describe the essential planning steps for moving a laboratory
- Discuss the lessons learned from labs that have moved and recommendations to avoid crucial mistakes

BREAKOUT SESSIONS 4:00-5:00 pm

Session 18: First Do No Harm: Ethical Dilemmas in the Clinical Lab

Speaker: Beth Warning

Level of Instruction: Basic

Sponsor: ASCLS Region VIII

This session provides an overview of ethics, ethical decision making, and examples of ethical dilemmas that may be encountered in the lab.

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

- Discuss the basic tenets of healthcare ethics
- Discuss the ethical decision-making process
- Identify ethical situations specific to the laboratory which may warrant additional action

Session 19: Thromboelastography

Speaker: Michael Brown, MD, FCAP

Level of Instruction: Basic

Sponsor: Yellowstone Pathology Institute

Thromboelastography (TEG) is an old method with revived interest in its ability to comprehensively assess coagulation status in a variety of clinical situations, including cardiac surgery, trauma, bleeding patients and preparation for interventional procedures. We will discuss the technical aspects of TEG testing, the broad range of clinical applications, and how its use can greatly reduce unnecessary transfusions.

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

- Describe the methodology and technology of TEG testing.
- List 3 clinical situations in which TEG testing is useful.
- Explain how TEG testing has the ability to reduce unnecessary transfusions

Session 20: Can We Make the Umbrella Big Enough? Safely updating blood donor eligibility to ensure adequate availability of blood products.

Speaker: Dr. Walter Kelley

Level of Instruction: Intermediate

Sponsor: American Red Cross

The US FDA has updated blood donor criteria. It is critically important that laboratory professionals understand these updates. Knowledgeable laboratory staff can address the concerns of other medical professionals regarding the safety of the blood supply, and serve as a source of correct information to the public. Discussion of ongoing scientific investigation of blood donor safety will also be discussed.

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

- Relate the historical context for pertinent blood donor screening criteria
- List recent changes in blood donor criteria
- Discuss how removing non-scientifically justified barriers to blood donation increases blood product availability

SATURDAY, OCTOBER 3, 2015

SCIENTIFIC ASSEMBLY (Session 21)

These informal round table presentations and discussions will center on issues that are recently impacting laboratory practice in the represented area of knowledge. The facilitator will lead the roundtable participants in a discussion about issues pertinent to their area of expertise. The group will brainstorm about possible solutions to problems and “best practices” will be shared.

Choose one to attend:

Level of Instruction: Basic

- 1. Management: Abbey Wichman, Facilitator**
- 2. Microbiology: Erika Buchanan, Facilitator**
- 3. Hematology: Kristine Hodson, Facilitator**
- 4. Immunohematology: Anne Moss, Facilitator**
- 5. Chemistry: Lisa Platter, Facilitator**

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

- Summarize the findings represented in one roundtable presentation.
- Discuss 2 ideas discussed in the roundtable presentations that will help the participant perform his/her job more effectively.

BREAKOUT SESSIONS 8:45-9:45 am

Session 22: Patient Blood Management Certification; One Hospital’s Journey

Speakers: Melissa Siemsen and Jennifer Wolcott

Level of Instruction: Basic

Sponsor: Intermountain Healthcare

Patient Blood Management Certification through the Joint Commission is a fairly new and unknown process. This session will explain more about Patient Blood Management, and what is involved in becoming a PBM certified institution. The presenters will offer a glimpse into how St. Vincent Healthcare became the 7th hospital in the United States to attain this certification.

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

- Provide an overview of patient blood management
- Describe steps taken to grow patient blood management program
- Discuss how the speakers’ facility achieved PBM certification

Session 23: Shining a *Freelite* on Monoclonal Gammopathies

Speaker: Dr. Aigars Brants

Level of Instruction: Intermediate

Sponsor: Binding Site

Have you been looking to learn more about monoclonal gammopathies? Get *enLITEened* with Dr. Brants on how Freelite results, together with other relevant tests are used to diagnose and monitor multiple myeloma, the 3rd most common hematologic cancer.

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

- Define monoclonal gammopathies
- Describe methods used to detect monoclonal proteins
- Explain why multiple methods are necessary for the initial detection of monoclonal gammopathies
- Describe how Freelite results are used to in diagnosis, risk stratification and monitoring

BREAKOUT SESSIONS 10:00 -11:00 am

Session 24: 50 Years of Hematology, Past and Present

Speaker: Keila Poulsen

Level of Instruction: Intermediate

Sponsor: ASCLS Region VIII

This workshop will travel through 50 years of advancing, learning, evolving, and celebrating all that a lifetime of *Hematology* can bring. A discussion on how and why morphology has expanded from FAB to WHO. Finally, the evolution of instrumentation plus the advancement in treatments will demonstrate improvements in diagnosis and prognosis.

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

- Review the classification evolution of hematology malignancies from FAB to WHO
- Discuss advancement of treatment protocols
- Describe the advancing Craft of Hematology in diagnosis, the profession and life

Session 25: The Performance and Utility of POC and OTC Molecular Tests for Detection of Pathogens

Speaker: Steve Young

Level of Instruction: Intermediate

Sponsor: TriCore Laboratories

This session will be a discussion of the performance characteristics of several molecular point of care (POC) and over the counter (OTC) assays that are now commercially available to healthcare facilities or directly to the patient/consumer. Dr. Young will also present several ideas regarding deployment of these tests in any healthcare facility.

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

- Discuss the underlying technology of POC and OTC assays
- Describe the performance of selected POC and OTC assays for infections agent detection
- Generate ideas of how these assays might help each participant's institution provide better patient care



Speakers

Dr. Michael Astion, MD, PhD

Dr. Astion is a clinical pathologist who is Medical Director, Department of Laboratories at Seattle Children's Hospital and Clinical Professor of Laboratory Medicine and Pathology at the University of Washington. His career is divided between clinical service, teaching, and research and development. He has authored more than 20 software titles, 40 peer-reviewed papers, and 40 editorials. Dr. Astion is a frequent speaker at professional meetings, where he lectures on issues related to laboratory stewardship and management; laboratory economics and outreach; and medical errors. His awards include:

- AACC Annual Award for Outstanding Contributions to Patient Safety (2006)
- AACC Annual Award for Contributions to Management Science (2007)
- AACC Annual Award for Contributions to Education (2014)

Aigars Brants, PhD

Aigars Brants is a native of Republic of Latvia. He received his MS and PhD from Cornell University in Biology. Currently, Aigars is Director of Scientific Affairs at Binding Site, Inc, but has held similar positions at Sebia Electrophoresis and Roche Tissue Diagnostics. He resides in Atlanta, GA

Michael Brown, MD

Michael Brown, MD is a pathologist with Yellowstone Pathology Institute in Billings Montana. He is Medical Director of the blood bank at St. Vincent Healthcare, and Chair of the hospital's Patient Blood Management Committee.

Toni Clinton, PhD; MT (ASCP); BCLD (ABB)

Dr. Clinton began her career in laboratory medicine as a junior high school volunteer at a rural hospital. She attended college at Wichita State University, where she received a Bachelor's degree in Medical Technology. Dr. Clinton obtained her PhD from the University of Kansas Medical School in Physiology. She later completed a fellowship in clinical pathology.

Dr. Clinton has experience in all aspects of the medical laboratory professions, serving in front line and leadership roles in academic medicine, hospital laboratories, physician office laboratories, and in the commercial lab industry. She has worked as a bench technologist, a technical director, medical director, a VP of operations, and most recently as a General Manager. She has focused her career on promoting and developing quality systems, building teams, and building patient-centric laboratory businesses.

Dr. Clinton and her husband Kevin have four children. They enjoy traveling and creating new adventures with their family. In her spare time, she enjoys rowing and yoga, anything involving yarn, and can be found most fall weekends watching college or professional football and/or filling out her fantasy football roster.

J.R. Constance, MHA, MLS(ASCP)^{CM}

J.R. Constance is a healthcare management consultant and is a clinical laboratory scientist with over 40 years of experience in the clinical laboratory arena. He has worked in a variety of hospital settings, ranging from large university hospitals to small 25-bed critical access hospitals and has held positions ranging from bench tech and laboratory supervisor through laboratory directory and outreach support director. In 2007 J.R. formed Rodric Consulting, LLC, a clinical laboratory management consulting company providing a wide range of laboratory consulting services. Most recently he has been focused on operational efficiencies and laboratory process improvement and redesign.

Over his career J.R. has been very active professionally. He is a Past President of the American Society for Clinical Laboratory Science and served on the ASCLS Board for 8 years. He continues to participate on national committees and task forces and is also the current Secretary of ASCLS-Colorado.

Alexander Fohl, PharmD

Alex Fohl has been at Roche Diagnostics since 2017 focusing on the cardiac portfolio. Prior to joining Roche, he was a clinical pharmacist at two hospitals located in Indianapolis, Indiana where he precepted students and residents.

Alex is a licensed pharmacist who earned his Doctor of Pharmacy degree from Purdue University and completed a two-year pharmacy practice residency in Critical Care from the University of Michigan Hospitals and Health Centers.

Lynne Garcia, MS, CLS, BLM, FAAM

Lynne Garcia, MS, CLS, BLM, FAAM, former Manager of the UCLA Clinical Microbiology Laboratory, is currently the Director of LSG & Associates, providing training, teaching, and consultation for Diagnostic Medical Parasitology and Health Care Administration. She has given over 400 presentations (international, national, and local) and published over 175 peer-reviewed manuscripts, book chapters, and articles. *She is the author of [Diagnostic Medical Parasitology \(6th ed, 2016\)](#) and [Practical Guide to Diagnostic Parasitology, \(3rd ed, 2021\)](#) ASM Press, Washington, D.C.* She is the Editor-in-Chief of Clinical Microbiology Procedures Handbook (3rd ed, 2010). She is also the Editor-in-Chief of Clinical Laboratory Management in the 21st Century (ASM Press, 2022 – 3rd ed.). She is a Senior Editor for Clinical Microbiology Reviews and a reviewer for 9 other journals. She consults for the CAP Microbiology Resource Committee, is past chair of the CLSI Parasitology Subcommittee, and was elected as a Fellow of The American Academy of Microbiology in 1991. She has served on many committees for ASM, as well as serving as past president for the Southern California Branch of ASM. Lynne is the recipient of the American Society for Medical Technology Microbiologist of the Year award, the Joseph J. Kleiner Memorial Award for technical writing, Outstanding Achievement Award (AAB), Professional Achievement Award (SWACM), the Louis Pasteur Award (IL Branch of ASM), and the 2009 ASM bioMérieux Sonnenwirth Award for Leadership in Clinical Microbiology.

Mary Hammel, MLS(ASCP)

Mary Hammel is a Laboratory Manager at UHealth in Colorado. In this role and as the Best Practice Team leader, she sets strategic direction for the POC programs at 12 hospitals, 12 FSEDs, and 145 Urgent Care and Primary care clinics for UHealth.

Shanise Keith, CPT (NHA), AHI (AMT)

Shanise Keith is the new Executive Director of the Center for Phlebotomy Education, an international educational resource for those who perform, teach, and manage blood collection procedures for clinical testing. Before she took over her current position, she worked as a phlebotomy instructor and program coordinator for over 10 years. She has over 13 years of work in different healthcare settings including the emergency department, and as a forensic phlebotomist. As a part of her new role, she serves as the editor of Phlebotomy Today, an educational blog, and works as an expert witness for phlebotomy-related lawsuits. Phlebotomy is her passion, and she is grateful to be in a position where she can share her love and knowledge of it with others.

Walter Kelley, DO, FCAP

Dr. Kelley is the Medical Director for the UT/NV, ID/MT, and CO/WO regions of the American Red Cross, where he provides medical oversight for blood donors and blood products, directs three high complexity Immunohematology Reference Laboratories, and is the director for stem cell apheresis collection and cell therapy laboratory processing for the Intermountain Blood and Marrow Transplant Program. Dr. Kelley was trained in Transfusion Medicine by Nobel Laureate Harvey Alter, MD (who discovered Hepatitis C) at the National Institutes of Health. Prior to that, he was trained in Pathology at the University of Maryland Medical Center under John Hess, MD, MPH, inventor of SOLX® (AS-7).

Rick Panning, MBA, MLS(ASCP)^{cm}

Rick Panning, recently semi-retired from a career where he has been in laboratory leadership positions for 36 years, including most recently as Senior Administrative Director of Laboratory Services for HealthPartners and Park Nicollet in Minneapolis-St. Paul, Minnesota (leadership for eight hospital laboratories, clinic laboratories for two large medical groups, and a central laboratory). Previously, he served as Vice President of Business Development at Fairview Health Services (supporting laboratory, imaging, pharmacy, and rehab services) and Vice President for Laboratory Services at Allina Hospitals and Clinics, an integrated health system with 10 hospitals and 70 clinic laboratories in Minnesota. For 12 years, he was President of Laboratories for Fairview Health Services in Minneapolis and also served as Chief Executive Officer of the American Red Cross blood services in the North Central region. Currently working part-time as a Senior Healthcare Consultant for ARUP.

Lisa Peterson, PhD, PhD, D(ABMLI)

Dr. Peterson is an Assistant Professor of Pathology at the University of Utah School of Medicine and a Medical Director in the Immunology division at ARUP Laboratories, where she oversees testing that aids in the diagnosis of autoimmunity and immune deficiency. Dr. Peterson's research interests include development, evaluation, and validation of assays for the diagnosis and management of immune deficiencies and autoimmune diseases, with a focus on autoimmune neurologic diseases. She is very interested in optimizing test utilization and in understanding factors that drive variability in the performance characteristics of immunology-related laboratory tests to optimize both intra- and inter-laboratory correlations to improve patient care. She has authored more than 30 peer-reviewed articles and book chapters, and serves as an ad hoc reviewer for a number of clinical and laboratory journals. Dr. Peterson currently serves as secretary of the Association of Medical Laboratory Immunologists (AMLI) as well as chair of the society's membership committee. In addition to AMLI, she has active membership in AAN, the American Academy of Clinical Chemistry (AACC) and the Clinical Immunology Society (CIS).

Keila Poulsen, MLS(ASCP)H, SH

Keila Poulsen has been a laboratory professional for over 50 years! As a young woman she had a chance to work in a lab and knew she had found her niche in life. She attended Brigham Young University in Provo, Utah where she received a degree in Clinical Laboratory Sciences. She has never looked back. She thoroughly enjoyed her job as supervisor of Hematology for Eastern Idaho Regional Medical Center where she inspired her staff to be their very best. In addition to her job, Keila has been very active in ASCLS at the state, regional, and national levels and has served in many positions and on many committees. She has been instrumental in the training of students at BYU for 40 years. She has co-authored Anderson's Atlas of Hematology, a desktop reference for clinical labs. She is the mother of two sons and grandmother to four and the proud owner of a Harley Davidson.

Andrea Prinzi, PhD, MPH, SM(ASCP)

Dr. Prinzi is a clinical microbiologist by training and spent over 12 years as a bench microbiologist at Children's Hospital Colorado. She obtained her Master's in Public Health with an emphasis in epidemiology in 2014, and spent several years designing and teaching microbiology-focused programs to clinical providers on the University of Colorado Anschutz Medical Campus. In early 2022, Dr. Prinzi obtained her PhD in clinical and translational science where her research focused on antimicrobial and diagnostic stewardship of pneumonia diagnostics in mechanically ventilated patients. She has published several peer-reviewed manuscripts that focus on stewardship and infectious disease diagnostics, and she is an active blog writer for the American Society for Microbiology. Dr. Prinzi currently works as an infectious disease medical science liaison for bioMérieux. The opinions and statements in this presentation do not reflect the opinions of bioMérieux.

Debbie Shell, MS, MLS(ASCP)^{CM} SM, DLM

Debbie Shell has over 25 years of leadership experience in a hospital setting, including laboratory, infection control, and quality management. She was an Idaho State University adjunct faculty member from 2005-2009 and since 2010 has been an instructor in the Medical Laboratory Science Program. Debbie has been actively involved in government affairs on the state, regional and national levels since the mid-1990's. She has been a member of the ASCLS PAC Board of Trustees and the Government Affairs Committee, currently serving as Chair. She has attended the ASCLS Legislative Symposium almost every year since it originated in 1989 and enjoys sharing the knowledge she learns there.

Melissa Siemsen, MLS(ASCP)

Melissa Siemsen is the Blood Management Coordinator at Saint Vincent Healthcare in Billings, Montana. She has 16 years of laboratory and management experience; currently holds a BS in Medical Laboratory Science and will complete her MBA in Healthcare Management this fall. Melissa oversees the current program most recently certified by the Joint Commission and is one of only seven nationally to be so recognized by the Joint Commission. She was also recently recognized as a Cardinal Health Honoree for her work. Melissa is pioneering patient care in her area and is a go-to subject matter expert. Melissa is married and has a wonderful daughter and son. They all love to rodeo and have a couple champions in the house!

Becky Socha, MS, MLS, BB(ASCP)

Becky Socha has her bachelor's degree in medical technology from Merrimack College in North Andover, Mass and her master's degree in Clinical laboratory Science from University of Massachusetts, Lowell. She is a clinical laboratory scientist with over 40 years of experience in the hospital laboratory environment and has worked in all departments, with a concentration in Hematology and Blood Banking.

Becky also has over twenty years of experience teaching as an adjunct instructor in MLS programs at several universities. She has taught Hematology and Transfusion Medicine as well as Clinical Lab Theory and Pathophysiology. She currently works in Hematology at Mercy Medical Center in Baltimore where she is key operator for hematology instrumentation and primary trainer for new employees.

Becky is passionate about education. In addition to many speaking engagements, Becky authors monthly articles for Lablogatory, a Blog for Medical laboratory Professionals.

Robyn Sorrell, MHA, MLS(ASCP)^{CM}

Robyn has been a Medical Lab Scientist for over 27 years, with the last 16 years as a Lab Manager. She completed a Masters of Healthcare Administration & Management in 2016, and has a Lean Greenbelt certification. She has been working as the Manager of Laboratory Services at Medical Center of the Rockies in Loveland, CO, a Level I trauma center, wearing many hats as Lab Manager, Manager of Quality, Safety and Compliance, Point of Care, and Pathology. Robyn has managed every department in the clinical laboratory including Point of Care, Pathology, Hematology, Chemistry, Microbiology, Blood Bank, a donor center, outpatient labs and draw sites. Also included in her management experience are 3 years as a hospital lab director. Robyn has participated in the planning and design of several different laboratories, and has planned the move of existing laboratories.

David Tomichek

I have an MBA in Business Administration and a BS in Medical Technology. I have spent more than 20 years in the clinical lab and have worked for BioRad for 25 years. (at the same time). My areas of expertise are Immunology, Serology, Chemistry, Diabetes and Hemoglobin Screening.

This is my third time speaking at IMSS.

Beth Warning, MS, MLS (ASCP)^{cm}, AMT (AHI)

Beth is an Associate Professor and Campus Based Program Director with the MLS Program at the University of Cincinnati where she currently teaches healthcare ethics within the College of Allied Health Sciences. She received both her B.S degree in Medical Technology and her M.S. in Technology Management from Northern Kentucky University. Prior to moving to academia, Beth spent 25 years in a clinical lab, with positions as a hematology bench tech, hospital based MLS program director, Safety supervisor, and eventually, lab director for critical access and immediate response labs. She is active in ASCLS, currently serving on the ASCLS Board of Directors, and has presented at a variety of conferences and workshops throughout her career.

Jennifer Wolcott, MLS(ASCP)SBB^{CM}

Jennifer is the Laboratory Manager at St. Vincent Healthcare in Billings, Montana. Prior to becoming manager, she also held the roles of Quality Coordinator, Blood Bank Supervisor and Medical Laboratory Scientist. In 2015 Jennifer fulfilled a career goal of getting her Specialist in Blood Banking Certification. A Montana native, she was happy to get back to Montana after many years living and working in Hawaii, California, and Alaska. Jennifer has three children/young adults who are the light of her life. In her spare time, she enjoys camping and hiking. She also likes road trips, hot springs, and discovering new destinations.

Steve Young, PhD, D(ABMM)

Steve Young is the Director of Research and Clinical Trials at TriCore Reference Laboratories and a Professor Emeritus of Pathology at the University of New Mexico. Dr. Young had a successful academic research career in evaluation and development of diagnostic techniques for both clinical microbiology and biodefense. He currently continues to be PI on multiple FDA clinical trials and completed over 300 FDA clinical trials.

Jewell Zweegman, Professional Speaker, LMT, MR

Jewell Zweegman is a favorite at IMSS. She brings enthusiasm and excitement wherever she goes and always has great tidbits of wisdom to pass along. Jewell wears many hats and is not only a business owner and customer service guru, but she is also a licensed massage therapist, master reflexologist, a nationally certified weight loss specialist AND has over 19 years' experience as a professional speaker. WHEW! In Jewell's spare time, she enjoys spending time with her family, doing crafts, and enjoying a trip or two. A kiss is still a kiss, a sigh is just a sigh, so IMSS will change as time goes by. Jewell will take you on a journal of reminiscing to help you get through life...as time goes by.

