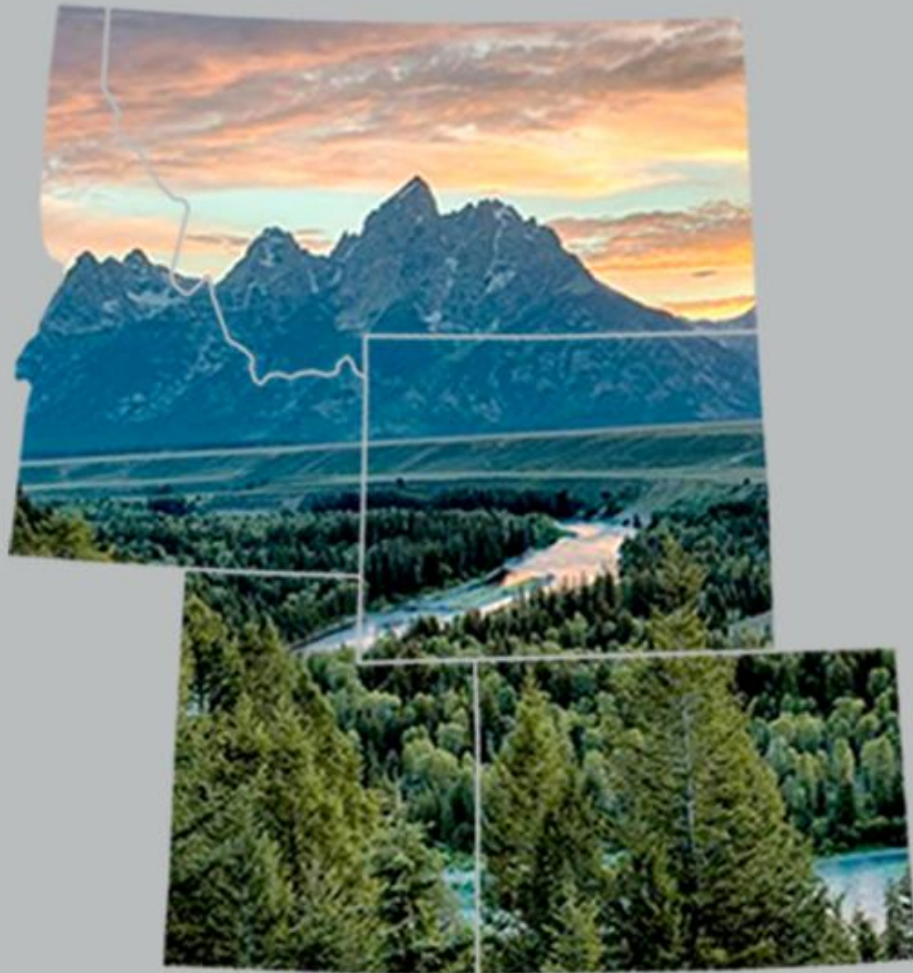


HOW THE BEST WAS DONE



54TH ANNUAL INTERMOUNTAIN STATES SEMINAR

SEPTEMBER 28-30, 2017 | JACKSON, WY
SNOW KING SPORTS AND EVENT CENTER

**A CLINICAL LABORATORY EDUCATION AND EXPOSITION EVENT
PRESENTED BY ASCLS REGION VIII COUNCIL**

ASCLSREGION8.ORG/IMSS

**THE 54th ANNUAL
INTERMOUNTAIN STATES SEMINAR,
ASCLS REGION VIII ROUNDUP!!**

This regional conference and Exhibit Expo will mark the 54th year of fun and learning with great topics, speakers, exhibitors and much fun! All events including education, exhibits, networking and fun will take place at the Snow King Sports & Events Center (formerly known as the Pavilion) in beautiful Jackson, Wyoming. For the past 50+ years, the Intermountain States Seminar and Exhibitors Expo 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!

Each day begins with informative General Sessions with this year's topics to include:

- ★ **Dr. Michael Laposata**, Professor and Chairman, Dept. of Pathology, University of Texas, Galveston. A discussion of why medical errors have been overlooked for decades and potential solutions to reduce medical errors will be reported.
- ★ **Debbie Shell**, Idaho State University. Learn the status of pending legislation and regulations impacting clinical laboratories and find out how you can help!
- ★ **Jewell Zweegman**, Laboratory Marketing Associate, Billings Clinic, MT. This presentation will promote professional and personal growth.
- ★ **Dr. Rodney Rohde**, Chair and Professor, CLS Program, Associate Dean of Research, Texas State University. This presentation will provide recent experiences of a CLS program in successful retention and engagement of students and professionals.

Then, choose from among many first-rate P.A.C.E.® - accredited 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!

Our Vendor and Exhibit Hall will showcase new instrumentation, 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. **Without their participation this meeting would not be possible!**

**History of the
Intermountain States Seminar**

The idea of establishing an Intermountain States Seminar originated with the Utah Society for Medical Technology in 1962. 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 active participation. Colorado joined the Intermountain States Seminar as the fifth state in 1970.

The first seminar was held in May of 1964. Subsequent meetings have been held in September. 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. An exhibitor liaison from each state was also a member of this committee. The Planning Committee from the host state organized the many aspects of the seminar.

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.

The success of the seminar is an excellent example of medical laboratory personnel working together to better their profession.

In 2013, the decision was made to have ASCLS 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, with a rotation schedule developed to have Planning Committee Chairs from all 5 states participate in planning the meeting.



Like and Follow IMSS on Facebook
Intermountain States Seminar (IMSS)
Post your Jackson pics, and show folks back home what they are missing!

❖ *Region VIII IMSS Planning Committee* ❖

General Chair	Jeff Horton
Program	Omar Munoz
	Susan Smith
Sponsorship	Stephanie Mihane
	Connie Ohlson
Social	Katelyn Lovelis
	Franki Herdt
Exhibits Liaison.....	Amy Steinmetz
Registration	Brenden Collins
Publicity	Cathy McNary
P.A.C.E. ®	Abbey Wichman
Region VIII Director	Holly Weinberg
Finance.....	Debbie Shell
Website and Social Media...	Diane Stumpf
	BreeAnn Cossitt
	Lauren Gansemer
Front Cover Design by Jaycee Gaspar of Colorado	

❖ *State Society Presidents* ❖

ASCLS – Colorado	Ian Wallace
ASCLS – Idaho	Mechelle Reeve
ASCLS – Montana	Ashlee Ketchum
ASCLS – Utah	Omar Munoz
ASCLS – Wyoming	Jill Graff

❖ *Nominees for 2017 MLS of the Year* ❖

Colorado	Ian Wallace
Idaho	Amy Larsen
Montana	Amy Steinmetz

Registration Desk is located within the Snow King Sports and Events Center!

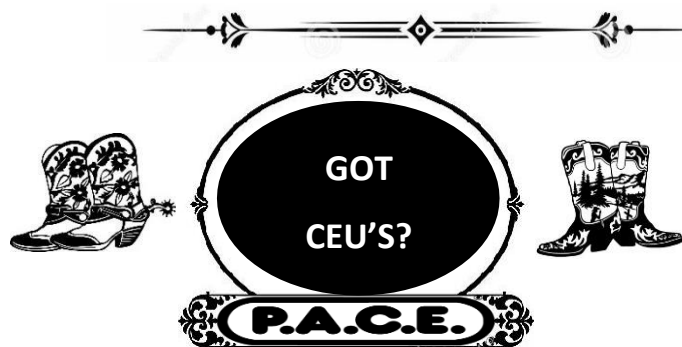
Thursday, September 28	7:00 am – 3:30 pm
Friday, September 29	7:30 am – 3:30 pm
Saturday, September 30	7:30 am – 8:30 am

❖ *General Information* ❖

- ❖ All events will be held in the Snow King Sports and Event Center
- ❖ Badges must be worn for admission to all sessions, social functions and exhibits.
- ❖ Silence all electronic devices during educational sessions and meetings.
- ❖ Smoking is not allowed in any event.

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The *American Society for Clinical Laboratory Science* is a provider of continuing education programs in the medical laboratory sciences by the ASCLS Professional Acknowledgment for Continuing Education (P.A.C.E. ®) Program. All 2017 IMSS educational sessions have been approved through the ASCLS P.A.C.E. certification and administered by Abbey Wichman and ASCLS-MT P.A.C.E. ® credits are accepted by the American Society for Clinical Pathology (ASCP) Certification Maintenance Program.

Remember: You will get your P.A.C.E. ® credits on-line using a code given out at the end of each educational session. Check your registration bag for more information.

Check out and use the IMSS Mobile App!

Download EventsXD from your favorite app store, install, create an account and search for ASCLS. You'll find this meeting, and you can build your own schedule. All handouts can be accessed from the app, and evaluations can be completed on-line!



A BIG THANK-YOU TO
THE 2017 EXHIBITORS
& SPONSORS!

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Abbott Diagnostics Advanced
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BioFire Diagnostics
Biomerieux, Inc.
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Horiba Medical
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Sysmex
Tricore Reference Laboratories



FRIDAY NIGHT SOCIAL

You are cordially invited to the Friday Night Social! We will all be meeting at 5:30 pm at the Town Square Tavern located down on the Jackson Hole Town Square. For a \$30.00 Cover Charge, you get a buffet of fresh chicken breast fillets and comforting bison meatloaf and all the trimmings! A vegetarian option is available. Non-alcoholic beverages are included with supper. Come enjoy some good food, drink, friends, and a cash bar!



Schedule at a Glance

All events taking place at the
Snow King Sports and Events Center

Wednesday, September 27

3:00-4:00 pm IMSS Planning Committee, Moose Room
4:00-5:30 pm ASCLS Region VIII Council, Moose Room

Thursday, September 28

7:00-8:00 Registration and Continental Breakfast
8:00-8:15 Opening Ceremony
8:15-9:45 Keynote/ General Session A
9:45-10:00 Break
10:00-11:00 General Session B
11:00-1:00 PM Lunch with Vendors
1:00-2:00 Breakout Sessions
2:00-2:15 Break
2:15-3:15 Breakout Sessions
3:15-3:30 Break
3:30-4:30 Breakout Sessions
4:30-6:30 Appetizers and cash bar with Exhibitors and
Silent Auction with proceeds benefitting Teton Free
Clinic of Jackson, WY and ASCLS Region VIII Leadership
Academy Scholarship Fund (Details available on the
website: [http:// asclsregion8.org/IMSS/](http://asclsregion8.org/IMSS/))

Friday, September 29

7:00-8:00 Registration
8:00-9:00 General Session C
9:00-11:00 Brunch with the Vendors
and Awards Ceremony
11:00-12:00 General Session D
12:00-1:30 Lunch 'n Learn Sessions
1:30-3:00 Breakout Sessions
3:00-3:15 Break
3:15-4:45 Breakout Sessions
5:30 – 8:30 Town Square Tavern Dinner Social

Saturday, September 30

7:30-8:30 Registration and Breakfast
8:30-10:00 Breakout Sessions
10:00-10:15 Break
10:15-11:45 Breakout Sessions
12:00-2:00 PM Wrap up IMSS Planning Committee,
Moose Room

** Program schedule is tentative and subject to change

Special Events!

Polish your belt buckles and grab your best cowboy hat
and boots! Come join your pardners for some fun!
All events are being held in one location – The
Snow King Sports and Events Center!

Thursday, September 28th

- ★ The day starts at 7:00 with a **continental breakfast** during registration. Grab your vittles by 8:00 so you won't be late for the Opening Ceremony!
- ★ We are having **Lunch with the Vendors** from 11:00 am – 1:00 pm in the Exhibitor's Hall. Lunch is provided by e.Leaven! Visit your Vendors! Learn about new technology and earn some CEU's while you visit with the experts!
- ★ From 4:30 pm – 6:30 pm we will be having **appetizers & a cash bar with the Vendors**. During this time **THE SILENT AUCTION** will be in progress. Here's your chance to score some mighty fine gear while supporting ASCLS Region VIII Leadership Academy and the Teton Free Clinic of Jackson, WY.

Friday, September 29th

- ★ Come between 9:00 am – 11:00 am and have a **Brunch with the Vendors**. Let your Vendors know how much you appreciate them! We couldn't put on our seminar without their support!
- ★ Don't forget the **Lunch 'n Learn** at 12:00 pm - 1:30 pm. Feed bags included, so be sure to grab one on your way!
- ★ **Hot Time in the Old Town Square Tonight!** Head off to the Town Square Tavern for a Dinner Social, 5:30 to 8:30pm! Chew the fat with old friends and make some new ones! Extra registration and charge required.



GENERAL SESSIONS

THURSDAY, SEPTEMBER 28, 2017

General Session A 8:15 – 9:45 am

Lodge Room

Diagnostic Errors with Results We Generate: How to Stop Them From Occurring

Michael Laposata, MD, PhD

Professor and Chairman, Dept. of Pathology, University of Texas, Galveston, TX

Level: Intermediate

Medical error has been reported to be the third leading cause of death in the United States. This presentation will discuss the growing recognition of medical error, and particularly diagnostic error. The discussion will include a consideration of why medical errors have been overlooked for decades. Importantly, potential solutions to reduce medical error will be reported.

Program Objectives:

1. Understand medical errors and its subset of diagnostic errors
2. Learn the causes of diagnostic errors
3. Describe solutions to reduce diagnostic error

General Session B 10:00 – 11:00 am

Lodge Room

Government Affairs Round-up: Updates on Legislative and Regulatory Issues Clinical Laboratories are Facing Today

Debbie Shell, BS, MLS(ASCP)^{CM}

Idaho State University

Level: Intermediate

Learn the status of pending legislation and regulations impacting clinical laboratories and laboratory professionals. Examine the ways ASCLS, its members, and its collaborative partners influence the outcomes of these policies. Find out how you can help!

Program Objectives:

1. Describe ASCLS positions on laboratory reimbursement, laboratory developed tests, the personnel shortage, and the CLIA ruling that nursing and medical laboratory science degrees are scientifically equivalent.
2. Discuss the status of the PAMA market-based analysis of clinical laboratory reimbursement for Medicare patient laboratory testing.
3. Explain how ASCLS and its members make a difference in legislation and regulations impacting clinical laboratories

FRIDAY, SEPTEMBER 29, 2017

General Session C 8:00 – 9:00 am

Lodge Room

Nice or Kind? Which are you Best at?

Jewell Zweegman, LMT, MR

Laboratory Marketing Associate, Billings Clinic, MT

Sponsored by Billings Clinic

Level: Basic

Are you nice or kind or both? This presentation will promote professional and personal growth

Program Objectives:

1. Differentiate between Nice and Kind, and the definitions.
2. Discuss Professional and Personal Growth Opportunities to Improve Work Ethic
3. Be able to improve work processes by changing attitudes toward change.

General Session D 11:00 – 12:00 noon

Lodge Room

R²: How to Keep Your Students and Alumni engaged in the profession and their organizations.

Rodney Rohde, Ph.D., MS, SV, SM(ASCP)^{CM}, MB^{CM}, FACSc

Chair and Professor, CLS Program, Associate Dean of Research, Texas State University

Level: Basic

Professional organizations are struggling to maintain student and alumni membership, involvement, and leadership. This presentation will provide the recent experiences of the Texas State University CLS Program in successful retention and engagement of students and professionals. Strategies for success, as well as common hurdles will be explained. Examples will be utilized from an academic, research, and social media lens.

Program Objectives:

1. Explain best practices for retention of medical laboratory professionals, including strategies for success via recent experiences with TACLS and ASCLS.
2. Describe the importance of utilizing social media to promote and highlight the medical laboratory profession in recruitment and retention.
3. Recognize the current hurdles and challenges associated in recruitment and retention.
4. Compare and contrast membership versus engagement/leadership.

★★★ Breakout Sessions ★★★

Thursday, September 28, 2017 • 1:00 - 2:00 pm

Breakout #1: Troponin: Evolution and the New Generation

◆ **Theresa Joseph, RN, BSN**

Moose Room

Medical Scientific Liaison, Roche Diagnostics

Level: Intermediate

Sponsored by Roche Diagnostics

This session will cover the history of Troponin and the new generation of Troponin assays. Discussion will include overview of cardiac disease and the potential impact of the new generation of Troponin assays on patients, clinicians, and laboratorians.

Program Objectives:

1. Describe the history of Troponin and other cardiac biomarkers that have been used to aid in the diagnosis of myocardial infarction
2. List 3 differences between contemporary vs highly sensitive Troponin assays and the rationale behind the changes
3. Identify current guideline recommendations for Troponin testing

Breakout #2: Letting Go of the Rules of Three... and How Not to Let the MCHC Rule Your Life

◆ **Jeri Walters, SH(ASCP)**

Lodge Room

Technical Supervisor Esoteric Testing, WI Core Lab, ACL Laboratories

Sponsored by Sysmex

Level: Intermediate

The rules of 3 have been a staple in hematology for decades. This presentation will review the history of the rules of 3 and discuss why they were introduced into lab hematology – and why they need to go away. We will examine how modern sheath flow-based hematology analyzers have made the rules of 3 obsolete and why the RBC indices are much better indicators of problem samples. Learn what may cause abnormal and improbable indices and what to do about it.

Program Objectives:

1. Discuss the history of the Rules of Three and their original purpose in hematology testing
2. Explain the importance of the RBC Indices and how they are better indicators of problem samples
3. Apply your knowledge of what can cause 'spurious' indices and identify alternate methods to resolve the problem

Thursday, September 28, 2017 • 2:15 - 3:15 pm

Breakout #3: Current Concepts in Hepatitis Testing

◆ **Jared Jaeger, Ph.D.**

Lodge Room

Clinical Liaison, Ortho Clinical Diagnostics

Sponsored by Ortho Clinical Diagnostics

Level: Intermediate

This session provides attendees with an overview of laboratory tests used to aid physicians in the diagnosis of viral hepatitis. The speaker will also review the CDC Guidelines for hepatitis screening and touch on the differences in commercially available hepatitis C assays.

Program Objectives:

1. Define and discuss various causes of Viral Hepatitis
2. Explain clinically useful diagnostic tests
3. Describe CDC guidelines for Hepatitis screening
4. Explain the difference in available Hepatitis C assays

Breakout #4: Hemostasis and Women's Health: The Laboratory's Role in Diagnosing Complex Disorders

◆ **Tatsiana Mardovina, MD, Ph.D.**

Moose Room

Scientific Market Development, Diagnostica Stago, Inc.

Sponsored by Diagnostica Stago, Inc.

Level: Intermediate

Women have specific health needs due to acquired hypercoagulable states which occur during different phases of life. This presentation will provide an overview of potential thrombotic and bleeding disorders and how management and treatment are provided with special focus on antiphospholipid syndrome and disseminated intravascular coagulation.

Program Objectives:

1. Present overview of different disease states affecting women's health, including venous thromboembolism, antiphospholipid syndrome, pregnancy related thrombocytopenia, and disseminated intravascular coagulation (DIC)
2. Discuss clinical guidelines establishing best practices for laboratory diagnosis of these disorders
3. Identify the role of the lupus anticoagulant (LA) relative to pathological thrombosis in clinical situations
4. Explain case studies featuring women's health disorders and laboratory diagnosis

Thursday, September 28, 2017 • 3:30 – 4:30 pm

Breakout #5: *The Worse Misdiagnosis of All: The Incorrect Diagnosis of Child Abuse*

📍 **Michael Laposata, MD, Ph.D.**

Lodge Room

Professor and Chairman, Dept. of Pathology, University of Texas, Galveston, TX

Level: Intermediate

The goal of this presentation is to grow awareness within the laboratory community of the problem of false accusations of child abuse. Several case studies will be discussed in which children with underlying bleeding disorders presented with bruising or bleeding, and their parents or caretakers were falsely accused of child abuse.

Program Objectives:

1. Recognize and learn the cognitive errors associated with the incorrect diagnosis of child abuse.
2. Review the bleeding disorders associated with incorrect diagnosis of child abuse and compare the bleeding disorder associated with difficulty in clot formation vs. leakage from normal blood vessels
3. Cite specific examples of incorrect diagnosis of child abuse

Breakout #6: *Procalcitonin, a Sepsis Marker*

📍 **Holley Reeves, MSN, BSN**

Moose Room

Senior Medical Science Liaison Thermo Fisher Scientific

Sponsored by: Roche Diagnostics

Level: Intermediate

Explore the diagnostic dilemma of accurately recognizing sepsis and evaluate tools available to assist. Dive into the problem of antibiotic resistance and the need for stewardship. How can Procalcitonin Assist?

Program Objectives:

1. Define and cite the differing clinical presentations of SIRS, Sepsis, and Septic Shock as defined by SCCM/ACCP
2. Compare and contrast commonly used biomarkers, clinical presentation, and other laboratory testing used in the evaluation of patients with suspected Sepsis
3. Describe how procalcitonin, and other biomarkers, and clinical exam can assist in early recognition, risk stratification, and management of patients with suspected sepsis and share case examples

Breakout #7: *Blood Bank Case Studies from the Reference Laboratory*

📍 **Wendy Palmer, MT(ASCP)**

Cougar Room

American Red Cross IRL Supervisor, Great Falls, MT

Sponsored by American Red Cross Blood Services

Level: Intermediate

I will go over some procedural updates very quickly and then move into case studies. We will go over a variety of cases that are commonly seen in the reference lab such as Warm Autoantibodies, Cold Autoantibodies, drug interactions with testing, High Frequency antibodies. We will go over each case presented in a systematic way to determine how to resolve reactivity.

Program Objectives:

1. Identify how Darzalex interferes with Blood Bank testing and why it is so important to get a good and thorough health history on the patient including what medications the patient is taking
2. Identify if a Warm Autoantibody is present and the testing required to resolve reactivity
3. Identify when multiple alloantibodies are present or if a high frequency antibody is present

THE IMSS SILENT AUCTION

Please join the vendors and your peers at the IMSS Silent Auction on Thursday evening, September 29, 2016, beginning at 4:30 pm at the Snow King Sports and Events Center! The proceeds benefit the Region VIII Leadership Academy and the Teton Free Clinic. Come bid on some great items and support these great prizes at the same time! Shop early for your holiday presents! Bid high and bid often!

EXAMPLES OF SOME WONDERFUL ITEMS YOU CAN WIN:

- | | | |
|---|---|---|
| <ul style="list-style-type: none"> • Commemorative IMSS coffee mugs • Set of Solar Eclipse coasters • Selection of beaded jewelry made by Jacque Schiess from Idaho • Decorated name badge holder • Candle holder, plaque, 2 hand towels | <ul style="list-style-type: none"> • Body Shop Goodies • 2 crocheted scarves • Wooden Moose decorations • Crocheted Baby Blanket • Glass hand painted votive holder • Handmade Fabric Crossbody purse • Moose and Elk candle holders • Fitz and Floyd Xmas Mugs | <ul style="list-style-type: none"> • Handmade table runner • Rhubarb Wine and Wine Cooler • Photography by Tarena Thomas from Idaho • Aspen wood vase • Hardwood cutting board and trivets by Roger Weinberg |
|---|---|---|



Lunch 'N Learn



Friday, September 29, 2017 from 12:00 – 1:30 pm

Grab your lunch (provided) and head off to the Lunch 'n Learn of your choice!

LL A: Genetic Testing Strategy

Presenter: Rick Panning

Moose Room

Developing a Genetic Testing Management Strategy: A Care Management and Payer Perspective

The genetic testing landscape is quite dynamic and the number of genetic tests on the market is greater than 60,000 and is growing exponentially. This session will describe a strategy to manage genetic testing in an integrated health system of hospital and clinic, in addition to meeting the need of the organizations health plan which was experiencing reimbursement costs that were growing rapidly. The strategy has multiple components which work together to provide improved service to physicians while controlling cost and optimizing care.

Session Objectives:

1. Describe the rationale for establishing a genetic testing utilization program.
2. Describe the role of a laboratory genetic counselor as it relates to physician orders for genetic testing
3. Discuss the benefits of a genetic testing formulary for the healthcare system and for payer organizations
4. List two measurable results than can be achieved through a genetic testing utilization management strategy

LL B: Zoonotic Agent/ Rabies

Presenter: Rodney Rohde

Lodge Room

Zoonotic Agents – 8 Things You May Not Know About Rabies – But Should

Rabies remains a dreaded disease because it is usually fatal, plus it is accompanied by distressing clinical signs and symptoms; however, if rabies post exposure prophylaxis (PEP) is administered before the virus enters the nervous system, it can be prevented. Despite its severity, there is still much the public and even health professionals may not know about rabies.

Session Objectives:

1. Describe the epidemiology associated with rabies in the United States.
2. List the gold standard for rabies laboratory testing and other adjunct ante- and post-mortem tests.
3. Understand the post-exposure prophylaxis and vaccine treatments and protocols for rabies cases.

LL C: POCT Issues/ Communication

Presenter: Stephanie Mihane

Cougar Room

Nurses are from Venus and MLS are from Mars

Aren't there days when you feel like other healthcare professionals are speaking a totally different language? This is a discussion on how we, as laboratory professionals, can learn to speak other languages such as "nurse" or "doctor".

Session Objectives:

1. Compare our "languages"
2. Contrast our "languages"
3. Determine how we as MLS can represent our profession through coordinating POC activities and learning to speak "Nurse" and/or "Doctor" in order to assure quality accurate and safe care for the patient.

Friday, September 29, 2017 • 1:30 - 3:00 pm

Breakout #8: *Tips and Tools for Using Behavior-Based Competencies in Your Organization*

◆ **Susanne Norris Zanto, MPH, MLS(ASCP)^{CM}**

Lodge Room

Consultant, Laboratory SolutionZ

Sponsored by Laboratory SolutionZ

Level: Intermediate

Following the 2015 MMWR publication *Competency Guidelines for Public Health Laboratory Professionals*, work teams developed tools and resources for implementation of the competencies in all laboratory organizations. During this session, participants will learn about behavior-based competencies, and how integrating behavior-based competencies into laboratory workforce development practices can help in recruitment, retention and the professional development of laboratory staff. Participants will have an opportunity to work with two tools - a position description and career ladder building tool, and a performance assessment/training needs tool. Participants are encouraged to bring their laptop, capable of running excel programs, for practice with the tools during the session.

Program Objectives:

1. Describe behavior-based competencies and their application in the laboratory
2. Identify tools and resources to help implement competencies into workforce development practices
3. Utilize a position description/career ladder tool, and a performance assessment/training needs tool

Breakout #9: *An Introduction to Hemophilia to Include Hemophilia Types, Symptoms, Diagnosis and Treatment*

◆ **Jim DeMase, BS**

Moose Room

Senior National Technical Sales Manager, Precision BioLogic, and Sponsor

Sponsored by Precision Biologic

Level: Intermediate

Please join us for this introduction to Hemophilia. We will review its symptoms, along with diagnosis and common treatments. The methods and clinical applications of the laboratory testing will be outlined. Case studies will be used to relate to real world situations. By the end of this session you will be able to describe the types of Hemophilia that effect patients, explain the range of hemophilia symptoms, along with diagnosis and common treatments and relate the methods and clinical application for mixing studies and Factor Inhibitors.

Program Objectives:

1. Describe the types of Hemophilia that effect patients
2. Explain the range of hemophilia symptoms, along with diagnosis and common treatments
3. Relate the methods and clinical application for mixing studies and Factor Inhibitors

Breakout #10: *From Ow to Wow! Patient Experience and Phlebotomist Recruitment*

◆ **Lynn Todd, MLS (ASCP)**

Cougar Room

Lab Director, Campbell County Health, and CEO from Ow to Wow

Sponsored by From Ow to Wow, LLC

Level: Basic

This presentation will show how to improve the patient experience with black light Wow rooms. There will also be a discussion on how to recruit and keep good phlebotomists.

Program Objectives:

1. Describe the benefit of having a Wow room to improve the phlebotomy experience, especially in children.
2. Discuss the utility of a WOW room regarding how it assists staff.
3. Describe how it is possible to set up an Introduction to Phlebotomy program and the benefit regarding recruitment for phlebotomists.



★★★Breakout Sessions ★★★

Friday, September 29, 2017 • 3:15 – 4:45 pm

Breakout #11 *Managing Laboratory Test Utilization: Relationship to Total Cost of Care*

◆ **Rick Panning, MBA, MLS^{CM} (ASCP)**

Lodge Room

Administrative Director of Laboratory Services for HealthPartners and Park Nicollet in Minneapolis-St. Paul

Level: Intermediate

Over the last 5-7 years, the focus on managing test utilization has been on reducing the number of tests performed assuming that the overuse is unnecessary. There is also a need to understand when increasing utilization or performing more testing will actually reduce the overall patient "total cost of care" (TCOC). HealthPartners' TCOC framework addresses one of the most fundamental problems related to population health: rising health care costs.

Program Objectives:

1. Describe the HealthPartners Total Cost of Care Model
2. Describe how laboratory test utilization impacts a patient's total cost of care
3. Describe three examples of how the management of test utilization (over- or under-) impacts the total cost of care

Breakout #12: *MRSA Prevalence and Risk Factor Analysis in Multiple Settings*

◆ **Rodney E. Rohde, PhD, MS, SV, SM (ASCP)^{CM}, MB^{CM}, FACSc**

Moose Room

Chair and Professor, CLS Program, Associate Dean of Research, Texas State University

Level: Basic

On any given day, about one in 20 hospital patients has at least one healthcare-associated infection (HAIs). Approximately 1.7 million HAIs occur in U.S. hospitals each year, resulting in 99,000 deaths and an estimated \$20 billion in healthcare costs. This presentation will summarize the risk factors associated with the HAI MRSA and its prevalence in multiple research settings.

Program Objectives:

1. Summarize the risk factors associated with *Staphylococcus aureus*, including MRSA, prevalence in multiple research settings: jail, university, nursing, student rec center, PT and classrooms.
2. Describe the diagnostic microbiology and molecular epidemiology of MRSA.
3. Recognize the changing epidemiology of *Staphylococcus*, including MRSA, between the community and healthcare setting

Breakout #13: Transfusion Reactions

◆ **Anna Cobb, MT(ASCP)SBB,**

Cougar Room

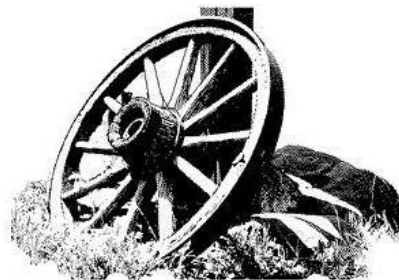
Director of Laboratory and Radiology, Memorial Hospital of Converse County

Level: Intermediate

This session will be a review of transfusion reactions and actions to take when presented with a possible adverse transfusion-associated event.

Program Objectives:

1. Describe types of transfusion reactions or complications associated with transfusion of blood products.
2. Describe laboratory testing requirements when a patient experiences a transfusion reaction / complication.
3. Identify resources for instructing nursing staff to take appropriate interventions when a patient experiences a transfusion reaction / complication.



★★★Breakout Sessions ★★★

Saturday, September 30, 2017 8:30 –10:00am

Breakout #14: *Molecular Infectious Diseases Testing Workshop, Part I*

✦ **Richard L. Hodinka, Ph.D.**

Moose Room

University of South Carolina School of Medicine, Greenville and Greenville Health System

✦ **Steve Young, Ph.D.**

Director of Research and Clinical Trials, Tricore Reference Laboratories

Sponsored by TriCore Reference Laboratories

Level: Intermediate

This workshop will address issues related to starting a molecular diagnostic laboratory; selecting reagents and instruments for nucleic acid isolation, amplification and detection; implementing molecular assays; validating and verifying assay performance; performing quality control and assuring quality with time; and applying molecular tests to the detection of various microbial pathogens of clinical importance

Program Objectives:

1. Describe the basic methods and instruments used for the isolation and amplification of nucleic acids
2. Discuss implementation strategies for the setup of a molecular infectious diseases laboratory and the application of best practices for assay verification/validation and quality control and quality assurance
3. Compare and contrast technological advances in multiplex detection and newer specimen-to-result point-of-care molecular platforms
4. Recognize the pros and cons of using molecular methods for diagnosis of infectious diseases

Breakout #15: *Case Studies in Hemostasis*

✦ **George Rodgers, MD, Ph.D.**

Cougar Room

Professor of Medicine and Pathology, University of Utah Medical Center

Sponsored by ARUP Laboratories

Level: Intermediate

This speaker will present case descriptions of common hemostasis disorders. The discussion focus will be on laboratory aspects and diagnosis of these disorders.

Program Objectives:

1. Classify hemostasis disorders into platelet-type or coagulation-type
2. Discuss diagnostic possibilities for platelet-type and coagulation-type bleeding disorders
3. Recommend appropriate laboratory test strategies for evaluating patients with bleeding disorders.

Saturday, September 30, 2017 • 10:15 – 11:45 am

Breakout #16: *Molecular Disease Testing Workshop, Part II*

✦ **Richard L. Hodinka, PhD**

Moose Room

University of South Carolina School of Medicine Greenville and Greenville Health System,

✦ **Stephen Young, Ph.D., D(ABMM)**

Director of Research and Clinical Trials, Tricore Reference Laboratories

Sponsored by Tricore Reference Laboratories

Level: Intermediate

This session is a continuation of breakout session #14 which is a pre-requisite for this session. Refer to Breakout Session #14 for session objectives.

Breakout #17: *Lean Principles to Manage Project Improvements in the Laboratory*

✦ **Omar Munoz, MS, MLS(ASCP)^{CM}**

Cougar Room

Assistant Professor, Medical Laboratory Science Division of the School of Medicine, University of Utah

Sponsored by ARUP

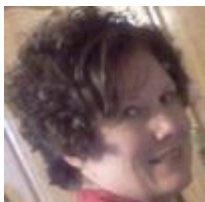
Level: Intermediate

This session will investigate simple ways to create improvement projects in the laboratory and empowered employees to create a better workflow in the laboratory

Program Objectives:

1. Describe Lean Principles
2. Discuss the Kaizen principle and its application in the laboratory
3. Discuss and Review application to Lean principles in the laboratory

SPEAKER BIOGRAPHIES



Anna Cobb has had 25+ years in the blood bank setting, both in the donor services and the transfusion medicine setting. Some would describe me as a puzzle fiend, which led me to specialize in blood banking after working as a generalist for two years. I enjoy the problem-solving aspect of transfusion medicine and working with staff and providers to ensure patients receive the best products and care possible when it comes to blood bank problems.



Jim DeMase is the Senior National Technical Sales Manager at Precision BioLogic. Jim is based in Santa Fe, New Mexico. Before Precision BioLogic, Jim held positions at Instrumentation Laboratory, Beckman Coulter, Diagnostica Stago and American Diagnostica. He holds a BS in Biology from The City College of New York and has been in the hemostasis field for almost 30 years.



Richard Hodinka received his B.S. in Biology from Marietta College, Marietta, OH in 1976, his M.S. in Microbiology in 1979 from the University of Montana, Missoula, MT, and his Ph.D. in Microbiology from Ohio University, Athens, OH in 1983.

Dr. Hodinka joined the founding faculty of the USC School of Medicine Greenville in July of 2014 and is currently a Professor in Microbiology and the Chair of the Department of Biomedical Sciences. He provides instruction in medical microbiology and infectious diseases at the USC School of Medicine Greenville and conducts clinical sciences/translational research through the Greenville Health System and the University of South Carolina.

Dr. Hodinka has served as the co-organizer of the Clinical Virology Symposium since 1994 and was co-organizer of the Molecular Virology Workshop from 1994-2013.

Dr. Hodinka serves as an invited reviewer for a number of journals and is on various journal editorial boards, including the Editorial Boards for the Journal of Clinical Microbiology, Journal of Clinical and Vaccine Immunology (currently an Editor), and the Journal of Clinical Virology. He is in demand as a speaker at academic institutions and at national and international conferences and has served as a National Foundation Lecturer for the American Society for Microbiology and is currently a member of the American Society for Microbiology Speakers' Bureau.





Jared Jaeger is a Clinical Assay Liaison Manager at Ortho Clinical Diagnostics for the Western Area. Prior to joining Ortho in 2016, Jared had 10 years of experience with Quest Diagnostics in various roles from Genomic and Esoteric Testing Specialist to Prescription Drug Monitoring/Toxicology specialist to Health Plan Director. Dr. Jaeger earned his PhD in physical chemistry from the University of Georgia in Dr. Michael Duncan's Metal Cluster Lab using a variety of Spectroscopic techniques and TOF Mass Spectrometry.



Theresa Joseph received her Bachelor of Science in Nursing from the University of Colorado and her background is in Critical Care Nursing. She worked in the Cardiac Rhythm Management Division of Medtronic for 14 years and her responsibilities included technical support during surgical implantation of cardiac devices, clinician education, and analysis of cardiac devices. Theresa is currently the Medical Scientific Liaison for Roche Diagnostics in a clinical and scientific role that includes education on cardiac biomarkers, clinician and laboratory interactions.



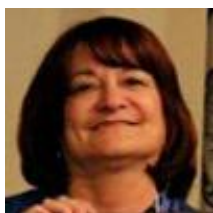
Michael Laposata is the Professor and Chair of the Department of Pathology at the University of Texas Medical Branch-Galveston and holder of the 1955 School of Medicine Teaching Profession Endowment. He received his M.D. and Ph.D. from Johns Hopkins University School of Medicine and completed a postdoctoral research fellowship and residency in Laboratory Medicine (Clinical Pathology) at Washington University School of Medicine in St. Louis. He took his first faculty position at the University of Pennsylvania, School of Medicine in Philadelphia in 1985, where he was an Assistant Professor and Director of the hospital's coagulation laboratory. In 1989, he became Director of Clinical Laboratories at the Massachusetts General Hospital and was appointed to faculty in the Department of Pathology at Harvard Medical School, where he became a tenured full Professor of Pathology. In 2005 and 2006 during his time in Boston, he was named to the prestigious list of Best of Boston Doctors by Boston Magazine. Dr. Laposata joined Vanderbilt University School of Medicine in 2008 where he was the Edward and Nancy Fody Professor of Pathology, Professor of Medicine, and the Pathologist-in-Chief.





Tatsiana Mardovina has been employed by Diagnostica Stago, Inc. since October 3, 2016. As a Scientific Market Development team member, she is responsible for operational functions associated with scientific and market development activities for our North American Market. She engages with key opinion leaders, clinicians and researchers on scientific and marketing studies. She is currently involved in research project which is focusing on identifying coagulation parameters reference range at different stages of normal and complicated pregnancies.

Dr. Mardovina was educated at the Grodno State Medical University in Belarus, where she earned her MD. She then completed a residency in pediatrics before enrolling at the National Scientific and Practical Center "Mother and Child" where she earned her PhD. Dr. Mardovina presented the findings from her research at international meetings and also produced several publications and patents. Her professional interest continuous to be focused on perinatal medicine



Stephanie Mihane has over 35 years of experience as an MLS with 4 years OPOC Specialist certification and 7 years as POC Coordinator for over 30 Medical Office both Nursing and PPM testing. Stephanie has written a POCT article for MLO Advance magazine; she has conducted round table discussions at a national ASCLS meeting, served as the chair of the ASLC POC/Phlebotomy Scientific Assembly, and was part of a panel discussion at the 2017 ASCLS National meeting regarding Career Choices for MLS.



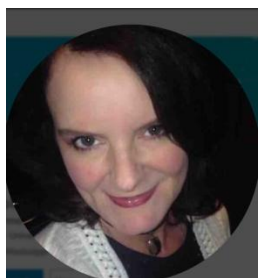
Omar Munoz has years of experience as Technical Supervisor in Hematology at the ARUP Reference Laboratories. He is newly appointed to the position of Assistant Professor in the Medical Laboratory Science Division of the School of Medicine at the University of Utah. Omar has been able to work with his staff at ARUP to create a more efficient process to improve the laboratories turnaround times. Current projects have decreased and maintained the turnaround times for greater than 98% of the samples.



Wendy Palmer has worked at the American Red Cross since 1992. She has always worked in the reference lab, but also worked as the Supervisor of the manufacturing labs, QC labs and quarantine and labeling labs. Wendy loves Blood Banking and all that it entails Her favorite area is in the IRL as she loves being a blood detective and identifying antibodies in patient's samples. Bangor, Maine, Cody, Wyoming, Pomona, California, Tucson, Arizona and Denver, Colorado are a few places Wendy has worked in her tenure as a Laboratory Scientist.



Rick Panning has been in laboratory leadership positions for over 30 years, including most recently as Senior Administrative Director of Laboratory Services for HealthPartners and Park Nicollet in Minneapolis-St. Paul, Minnesota (leadership for 6 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. Rick has been very active in the laboratory profession, especially within the American Society for Clinical Laboratory Science (ASCLS), where he has served as a state president, regional director, and president of the national society. Rick has served as Chair of the ASCLS Government Affairs Committee and is Past Chair of the Coordinating Council for the Clinical Laboratory Workforce (CCCLW). Rick received his BS in clinical laboratory science from Mankato State University and his MBA from the University of St. Thomas, and he is currently pursuing his doctorate in business administration from Metropolitan State University.



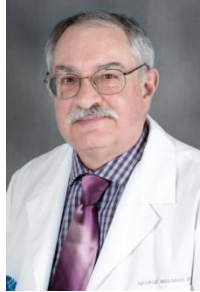
Holley Reeves is a Medical Science Liaison with 18 years of critical care experience. She is dedicated to advancing clinical practice by sharing relevant medical literature and passionate about educating medical professionals. Holley is a disease state expert on sepsis, presenting on the topic for over 7 years. She has extensive experience helping craft antibiotic stewardship protocols utilizing PCT.



Rodney E. Rohde, received his Bachelor of Science (microbiology) and Masters (Biology, emphasis in virology) degrees from Southwest Texas State University (now Texas State University). Dr. Rohde received his Ph.D. in Education in 2010 (Adult Professional Community Education) with a focus on Methicillin Resistant *Staphylococcus aureus* (MRSA) from Texas State. He received the honor of Fellow of the Association of Clinical Scientists (FACSc) in 2017. Dr. Rohde is a Professor and Chair for the [Clinical Laboratory Science](#) Program in the College of Health Professions at Texas State University. He serves as Associate Dean of Research for his college and is a clinical assistant professor (joint appointment, non-paid) at Texas Tech University Health Sciences Center, School of Allied Health Sciences, Department of Laboratory Sciences & Primary Care, Clinical Laboratory Science Program. He has been the recipient of numerous teaching, research, and service awards, including the 2017 Global Citizenship Alliance [Global Fellow](#), 2017 Everett Swinney Faculty Senate Teaching Award, 2016 Texas State Alumni Association Teaching Award of Honor and the 2015 Mariel M. Muir Mentoring Award. Additionally, Dr. Rohde continues to enjoy being an adjunct associate professor of biology in the nursing program for [Austin Community College](#) where he received the 2015 Teaching Excellence Award, as well as the John and

Suanne Roueche Excellence Award (national award) for Teaching.

His research interests are very diverse but focus on adult education and public health microbiology, specifically with respect to rabies virology, oral rabies wildlife vaccination, antibiotic resistant bacteria, and molecular diagnostics/biotechnology. Dr. Rohde has published over 50 research articles and abstracts and presented at over 100 international, national, and state conferences, including invited Keynotes. Rodney enjoys spending time with his wife Bonnie and children – daughter Haley and son Landry. Professor Rohde is passionate about teaching and mentoring students towards productive and exciting careers in clinical laboratories. He also enjoys incorporating advocacy, leadership, research, and integrity into his student's and colleagues' educational experience and challenging them to strive for lifelong learning



George Rodgers is a clinical hematologist and a medical director of the coagulation laboratory at ARUP Laboratories in Salt Lake City, Utah. He also teaches students, house staff and fellows on the subjects of Hematology and Coagulation. He received his PhD in pharmacology and his MD from the Tulane University School of Medicine and is certified in internal medicine by the American Board of Internal Medicine and in hematology by the American Board of Pathology. Dr. Rodgers is the co-editor of *Wintrobe's Clinical Hematology*.



Debbie Shell has over 25 years of leadership experience in a hospital setting including laboratory, infection control and quality management. She was an affiliate faculty member at Idaho State University from 2005-2008 and since 2009 has been an instructor in the Medical Laboratory Science Program. Debbie has been actively involved in government affairs, serving on government affairs committees at the state, regional and national levels for several years.



Lynn Todd has 35 years of experience in laboratory medicine. She has been the director for Campbell County Health for 16 years. She was asked to present what they have done for their pediatric patients to the Mayo Clinic in September of 2014. She was instrumental in creating the first "introduction to phlebotomy" program in 2007.





Jeri Walters has been medical technologist and educator for over 45 years. She has spoken at numerous ASCP, ASCLS and CACMLE educational seminars and workshops. Jeri has also taught hematology to the medical technology students at Marquette University and the University of Milwaukee, Wisconsin. She has authored numerous peer-reviewed publications as well as white papers and educational learning module over the years.



Stephen Young is a professor of Pathology at the University of New Mexico and the Director of Infectious Disease at TriCore Reference Laboratories. He has authored numerous scientific papers in this arena and is actively involved in cutting edge research in infectious disease testing.



Susanne (Susie) Norris Zanto currently works as a laboratory consultant with Laboratory SolutionZ after retiring from the Montana Public Health Laboratory, where she worked in management and technical positions for over 30 years. This past year she has worked as a project manager for the APHL Laboratory Competencies Implementation project, and facilitated work teams made up of public health laboratory colleagues who developed tools and resources for competency implementation.



Jewell Zweegman has been a business owner and massage therapist since 1985. Being an administrative professional, she continued her education and gained experience while working at Professional Resource Group, STEPPS, Island Hospital-Chemical Dependency Unit, Skagit Valley Hospital, and Spokane Public School District #81. She is a trained Mediator, Master Reflexologist, Licensed Massage Therapist, Certified Stone Massage Therapist, CCP (Certified Crazy Person).

She has done inspirational speaking at schools and professional administrative events; and has done retreats for different businesses such as AAA of Montana. She specializes in helping people see their potential by being aware that taking care of themselves makes them a better person, employee, business owner, and friend. She has also taught classes on Reflexology, How to Run a Successful and Efficient Meeting, Quality over Quantity, How to set up a Business, What I want to be when I Grow Up, and has been a mentor for high school students as well as her student of reflexology.

She continues to work in the health care field at Billings Clinic Laboratory as a Lab Marketing Associate II; and the alternative health care field with her massage and reflexology business; speaking engagements, and being a grandma.

