

**IMSS (Intermountain States Seminar)**  
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# 55<sup>th</sup> Annual Intermountain States Seminar

**SEPTEMBER 27 -29, 2018**  
**SNOW KING SPORTS & EVENTS CENTER**  
**JACKSON, WYOMING**

*A clinical laboratory education and exposition event. Presented by ASCLS Region VIII Council.*

## Hotel Information

Three room blocks are available during the conference for attendees:  
**Mention Intermountain States Seminar (IMSS) when making reservations.**

### Snow King Resort Hotel

400 East Snow King Avenue Jackson Hole, WY 83001  
307-733-5200

Room Rate: \$151.00, +\$38.00 resort fee and 8% tax per night  
Double queen, king or double queen suite per night  
*Provides free airport transportation*

**Room block remains open until September 5, 2018**

### The Virginian Hotel

750 W. Broadway Jackson Hole, WY 83001  
307-733-2792

Room Rate:  
King bed \$169.00/night or 2 queen beds \$159.00/night  
+8% tax per night

### The Mountain Modern

400 W Broadway, Jackson, WY 83001  
307-733-4340

Room Rate: Room Rate: \$195.00\*/night +\$5/night resort fee and 8% tax per night  
*\*This is a reduced rate from \$225/night. Discount is available until 8/26/2018.  
For online reservations, use discount code: **IMSS18***

**Room block remains open until August 26, 2018**

### Visit the IMSS Website!

<http://asclsregion8.org/IMSS/imss-2018/accommodations>

**Like us on Facebook!**  
**at Intermountain States Seminar (IMSS)**  
**Check for new information daily!**

## Friday's Midday Roundtable

12:10 – 1:10

These informal Round Table discussions will center on issues in the represented area of knowledge that are recently impacting laboratory practice.

LL A: Dawn Tobin, MLS (ASCP)<sup>CM</sup>: Urinalysis History & Case Studies  
LL B: Kelly Amidei CLS (ASCP)<sup>CM</sup>: POCT Competency  
LL C: Lynne Garcia MS, CLS, FAAM, Director LSF&G & Associates, Santa Monica, CA: Practical Approaches to Diagnostic Parasitology

## Schedule at a Glance

### Wednesday, September 27

3:00-4:00 IMSS Planning Committee  
4:00-5:30 ASCLS Region VIII Council

### 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 Breakout Sessions  
11:00-1:00 Lunch with Vendors  
1:00-2:00 General Session B  
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: proceeds benefiting the Teton Free Clinic and Region VIII Leadership Academy Fund (Details available on the website: <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 Vendors/Awards Ceremony  
11:00-12:00 General Session D  
12:10-1:10 Midday Roundtable  
1:20-2:50 Breakout Sessions  
2:50-3:15 Break  
3:15-4:45 Breakout Sessions  
5:30-8:30 Dinner Social – "Family" Game Night

### Saturday, September 30

7:30-8:00 Registration  
7:45-8:15 Breakfast  
8:15-9:45 Breakout Sessions  
9:45-10:00 Break  
10:00-11:30 Breakout Sessions  
12:00-2:00 Wrap up IMSS Planning Committee

**All events taking place at the Snow King Sports and Events Center**  
*Program schedule is tentative and subject to change. Visit IMSS Website for most up to date information: <https://asclregion8.org/IMSS/imss-2018>*



## Just some tips to make the trail ride easier:



Prior to attending the conference, attendees may print handouts by visiting the website listed below.

A username and password is required for printing conference materials and will be provided with your registration confirmation.

Handouts will NOT be provided at the session.



ALL SESSIONS, ASSEMBLIES AND EXHIBITS TO BE HELD AT  
THE SNOW KING SPORTS AND EVENTS CENTER  
100 E. SNOW KING AVENUE JACKSON, WY



Online Registration will be available at  
[www.imss2018.ezregister.com](http://www.imss2018.ezregister.com)

Please visit the website for additional information.  
<http://asclsregion8.org/imss/>



## Friday evening Dinner Social

Join the ASCLS family for dinner  
and family game night  
in the Lodge Room  
catered by Bubba's restaurant.  
Available for an additional price of \$35.

**Come one, come all and have a good time!**

# General Sessions

Thursday, September 27, 2018

8:15 - 9:45am

### Keynote/ General Session A

#### *The Zen of Professionalism*

Kathy Doig PhD, MLS(ASCP)<sup>CM</sup>, SH<sup>CM</sup>, Professor Emeritus  
Biomedical Laboratory Diagnostics, Michigan State University

Active professional society participation requires giving up time, dollars, and perhaps other resources. Yet, studies show that professionally active individuals experience a greater sense of professional satisfaction. How can it be that giving away results in greater satisfaction? That's the zen associated with professional service to be explored in this session.

Thursday, September 27, 2018

1:00 – 2:00pm

### General Session B

*Stay tuned. More information will be posted on the website.*

Friday, September 28, 2018

8:00 – 9:00am

### General Session C

#### *We are Family? Huh?! Really!?*

Jewell Zweegman, LMT, MR, WLS, Laboratory Marketing Associate, Billings Clinic, MT

Are you nice or kind or both? This presentation will teach how to have healthy relationships with the members of their work team. Will show how to communicate effectively, and how to listen and really hear what someone may be saying to them. How to maintain a healthy balance between work and personal life.

Friday, September 28, 2018

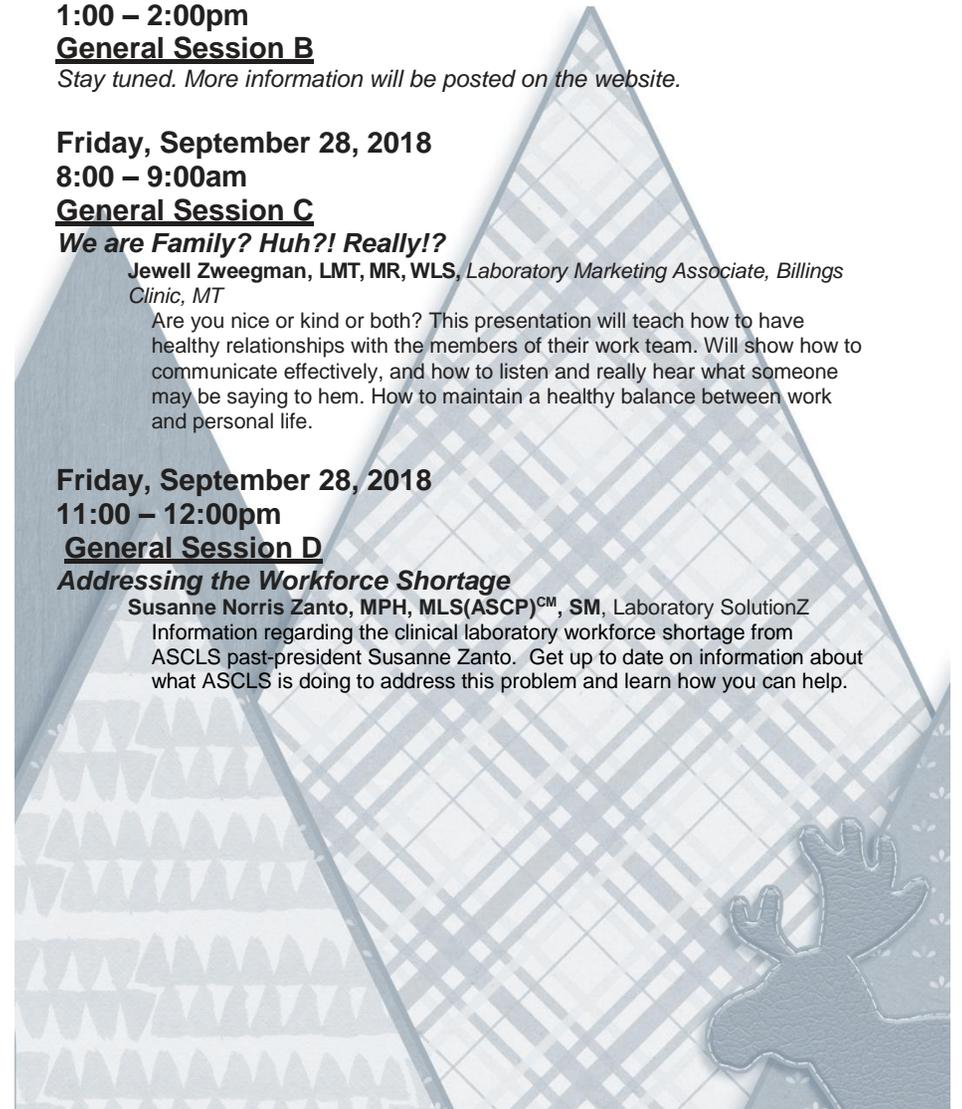
11:00 – 12:00pm

### General Session D

#### *Addressing the Workforce Shortage*

Susanne Norris Zanto, MPH, MLS(ASCP)<sup>CM</sup>, SM, Laboratory SolutionZ

Information regarding the clinical laboratory workforce shortage from ASCLS past-president Susanne Zanto. Get up to date on information about what ASCLS is doing to address this problem and learn how you can help.



## Thank You to Our Sponsors and Exhibitors!

(Find the up-to-date list on the website)

**Billings Clinic**  
**Ortho Clinical**  
**Sysmex**  
**T2 Biosystems**  
**ARUP**  
**Medical Chemical Corporation**  
**Luminex**  
**General Water Technologies**

### Exhibitor Schedule at a Glance:

Exhibitors Hall located in the Snow King Sports & Events Center 100 East Snow King Avenue Jackson, WY

#### Thursday, September 27, 2018

11:00 am – 1:00 pm: Lunch with Exhibitors

4: 30 – 6:30: Appetizers and Silent Auction with Exhibitors

Information about the Silent Auction can be found at

<http://asclsregion8.org/imss/>

#### Friday, September 28, 2018

9:00 – 11:00 am: Brunch with the Exhibitors and Awards Ceremony

### Silent Auction:

If you haven't done so already, consider donating items for the Silent Auction! Bring your donated items to the Silent Auction Table at the Event Center Wednesday evening or Thursday Morning.

**On Thursday evening, September 29, 2018: The**

**Silent Auction begins at 4:30 pm**

**Final bids will close at 6:25 pm**

Come Early! Stay Late! Bid High! Bid Often!  
Support the Teton

Free Clinic in Jackson, WY and the Region  
VIII Leadership Academy Fund!



## Thursday Breakout Sessions

### Thursday, September 27, 2018 • 10:00 -11:00 am

#### Breakout #1: Immunohematology and Reproductive Medicine

**Dr. Walter E. Kelley DO, FCAP Medical Director, American Red Cross**

A discussion of immunohematology cases involving reproductive medicine.

#### Breakout #2: Companion diagnostics and lung cancer – updates in immunotherapies and targeted therapies.

**Dr. Erin Marner, Pathologist, Medical & Scientific Affairs, Roche Diagnostics**

Check website for additional details

### Thursday, September 27, 2018 • 2:15 - 3:15 pm

#### Breakout #3: Improving Antibiotic Stewardship and Sepsis Management with Rapid Culture Independent Molecular Diagnostic

**Sandy J. Estrada, PharmD, Director of Clinical Affairs T2 Biosystems**

Implementation of molecular techniques in clinical laboratories has revolutionized the diagnosis and monitoring of patients with serious infections.

#### Breakout #4: Ethics, Stewardship, and Laboratory Tests with Unproven Clinical Benefit

**Brian Jackson, MD, MS ARUP**

Laboratories often receive orders for tests that lack strong evidence of clinical utility. Some are of research interest, some are commercial in nature, and others are simply new to the clinical scene.

#### Breakout #5: What's New with Bilirubin Metabolism

**Kathy Doig PhD, MLS(ASCP)<sup>CM</sup>, SH<sup>CM</sup>, Professor Emeritus**

**Biomedical Laboratory Diagnostics, Michigan State University**

Modern cell biology has improved explanations of the processes that occur during accelerated hemolysis. Familiar laboratory findings are now better understood, like why hemosiderin is found in renal tubular cells during excessive hemolysis.

### Thursday, September 27, 2018 • 3:30 – 4:30 pm

#### Breakout #6: Diagnostic Medical Parasitology: 2018 Update

**Lynne Garcia MS, CLS, FAAM, Director LSFG & Associates, Santa Monica, CA: Practical Approaches to Diagnostic Parasitology**

The session will discuss newer practical diagnostic methods, emerging and newly classified pathogens, non-endemic infections now endemic within the United States, and risk management and diagnostic problems associated with blood testing.

#### Breakout #7: Cobas m 511: Change the Way You Look at Hematology

**Krista Curcio**

Understand the use of digital multispectral image analysis on the cobas m 511 to determine CBC parameters and provide digital images for technologist review.

#### Breakout #8: Acute Kidney Injury

**Jared Jaeger, PhD, Clinical Liaison, Ortho Clinical Diagnostic**

Attendee will gain a broader understanding of the incidence and implications of acute kidney injury. They will also learn about new biomarkers that can predict acute kidney injury allowing physicians to intervene and potentially avoid the morbidity and mortality associated with the condition.

## Friday Breakout Sessions

Friday, September 28, 2018 • 1:20 - 2:50 pm

**Breakout #9: *How Technology & Rapid Molecular Diagnostics are Changing the Paradigm of Antibiotic Stewardship***

**Bill Marquardt C(ASCP) MBA, CLSSBB Vice President Laboratory Intelligence, McKesson Laboratory Solutions**

This session will provide insight into how informatic, molecular diagnostics, and clinical change management can be used together to implement an effective antimicrobial stewardship program. Advancements in microbiological diagnostics including MALDI-TOF and rapid molecular diagnostics, and advancements in technology including real-time antibiograms, stewardship and clinical collaboration work tools, precision antimicrobial therapy, and care planning and disease state reporting will be shown.

**Breakout #10: *Cultivating a Culture of Quality & a Practical Workshop of Cost of Poor Quality***

**Jennifer Dawson MHA, FACHE, CPHQ, LSSBB, DLM(ASCP), SLS, QIHC, QLC**

Many organizations establish quality objectives, but true effectiveness requires a commitment to various cultural elements including leadership, a compelling quality policy, expected behaviors and complementary performance metrics and incentives. The first half of this session explores essential attributes to achieving a culture of quality in a laboratory, several of which are required for ISO 15189 conformance. By reducing or eliminating Cost of Poor Quality (CoPQ) resulting from adverse or nonconforming events, your lab can increase its profit margin and demonstrate a return on investment for quality initiatives.

**Breakout #11: *Those Bodacious Body Fluids; A Hematology Perspective***

**Lynn Maedel, Sysmex**

Body Fluid morphology can present challenges to the laboratory professional who does not perform this evaluation on a daily basis. Using images from Wright-stained cytocentrifuged slide preps, this presentation provides numerous opportunities for participants to examine normal, reactive and malignant cell morphology. Key differentiating cell characteristics and patterns are illustrated using serous, and cerebral spinal fluid specimens.

Friday, September 28, 2018 • 3:15 – 4:45 pm

**Breakout #12: *Digital Cell Morphology: Improving Quality, Consistency and Connectivity of The Hematology Laboratory with Relevant Esoteric Case Studies***

**Scott Dunbar MS, BS**

This session will cover how compute- based algorithms came to improve quality, consistency and turnaround time in the hematology laboratory. The attendee will view rare hematology cases.

**Breakout #13: *Monitor Heparin with Confidence***

**Sandy Gardner, BS, MT(ASCP), Marketing Manager Siemens Healthineers**

The variable and unpredictable nature of unfractionated heparin necessitates close laboratory monitoring to guide dosing adjustments. Learn more about the assays for monitoring and newest trends.

**Breakout #14: *Preanalytical Factors that Contribute to Lab Errors***

**Lynn Todd**

This session is an interactive format. We will discuss pre-analytical errors, tube additives and order of draw. We will cover sampling and handling errors in addition to what pre-pre and post-post analytical errors are.

## Saturday Breakout Sessions

Saturday, September 29, 2018 • 8:15 – 9:45 am

**Breakout #15: *Medical and Laboratory Investigation of Thyroid Disorders***

**Angela F. Durden, MD, FCAP Yellowstone Pathology Institute**

This presentation will highlight common thyroid disorders and, through the use of case studies, will demonstrate how laboratory tests are used to differentiate thyroid disorders in clinical settings.

**Breakout #16: *Cystic Fibrosis Microbiology: Including Nontuberculous Mycobacteria***

**Max Salfinger, MD National Jewish Health, Denver, CO**

Annually, about 1,000 new cases of CF are diagnosed. People with CF are at a greater risk of getting lung infections; >10% will experience a pulmonary infection with NTM. This session will describe the bacteria recovered from CF patients and discuss the latest microbiology guidelines in working up respiratory specimens.

Saturday, September 29, 2017 • 10:00 – 11:30 am

**Breakout #17: *Stem Cell Collections and Processing & Extracorporeal Photophoresis***

**Tonya Carr CLS (ASCP)**

This session will give a brief overview of the types of bone marrow transplants and how they use stem cells. We will go over how the stem cells are collected, processed and transfused. We will also discuss another apheresis procedure called photopheresis: what it is and when it is used.

**Session #18: *Removing Barriers to the Prevention of Hepatitis C Transmission in a Western Frontier Community***

**Leslie Fowler, BSN, RN Public Health Nurse Converse County Public Health**

Converse County Wyoming, a Frontier population, experienced an increase in intravenous drug use (IVDU) and subsequently experienced a 220% increase in newly diagnosed Hepatitis C Virus (HCV) infection from 2015 to 2016. Numerous barriers were encountered when referring clients with positive HCV results to care and treatment resources. By engaging a broad spectrum of community stakeholders, we were able to identify key barriers which impact the prevention of HCV transmission in Converse County and ultimately develop new programs and strategies to address these barriers. The outcomes of this project can assist frontier populations in developing strategies to improve HCV prevention in their communities. It will also provide guidance to local public health agencies on how to develop partnership with community stakeholders in order to combat a population health issues.

