

# 2018 NWMLS

# 2018 Northwest Medical Laboratory Symposium

**October 24 - 27, 2018**  
**Holiday Inn, Portland Airport**  
**Portland, OR**



The American Society for Clinical Laboratory Science (ASCLS) and the American Medical Technologists (AMT) invite you to join us in Portland, OR, for this year's Symposium. Our clients, patients, and colleagues in the allied health professions rightfully expect and deserve that, as medical laboratory professionals, we maintain our professional credentials and competency. One means of doing this is to stay abreast of the latest developments in technology and testing. The NWMLS provides an excellent means of accomplishing this responsibility. Seminars cover topics in every aspect of laboratory medicine, including research, testing, and management. In addition to educational opportunities, you will not want to miss out on the chance to network with fellow laboratorians. The **Exhibit Hall**, an opportunity to meet laboratory industry vendors face-to-face and learn of the latest technological developments, is always a highlight of the NWMLS. The industry representatives are available for you to visit with in a low intensity setting. They are happy to hear and respond to your questions.

## Featured Exhibitors

Check the website as more are added!

<http://www.asclswa.org>

Abbott Diagnostics	General Water Technologies	Ortho Clinical Diagnostics
Abbott Rapid Diagnostics (ARDx)	GenMark Diagnostics	PlatinumCode
American Red Cross	Global Focus Marketing and	Radiometer America
ARUP Laboratories	Distribution/Immuno Concepts	RALS Connectivity for POCT
AUDIT MicroControls, Inc.	Greiner Bio One	Randox Laboratories Ltd
Beckman Coulter	Hardy Diagnostics	Roche Diagnostics
Becton Dickinson	HemoCue America	Samaritan Health Services
Bio-Rad Laboratories	Hettich Lab Technology	Sarstedt, Inc.
Bloodworks	InPhase Scientific / Nikon	Siemens Healthineers
Central Welding Supply	Instrumentation Laboratory	Stago
Cepheid	Legacy Laboratory Services	Sysmex America
Clinical Genomics	Luminex Corporation	Thermo Fisher Scientific
Delivery Express, Inc	Mayo Medical Laboratories	Tosoh Bioscience
DiaSorin, Inc	McKesson Lab Solutions	University of Washington
DiaSorin Molecular	MEDTOX Diagnostics, Inc.	WSLH Proficiency Testing
Drucker Diagnostics	OR Institute of Tech/ OHSU	

**Who:** All Are Welcome to Attend

**What:** The Major Laboratory Exhibit in the Northwest

**Where:** At the 2018 Northwest Medical Laboratory Symposium

**Why:** Don't miss a chance to see "state of the art" analyzers. Talk to vendors and ask questions. And it's **FREE!**  
 Guest passes available to non-registrants.

**When:** Exhibit Hall Open for Three Days!

Wednesday	Oct 24:	11:45 am - 2:15 pm
Thursday	Oct 25:	11:45 am - 2:15 pm
Friday	Oct 26:	11:45 am - 1:30 pm

**P.A.C.E. Credits:** Free P.A.C.E. credits are available for anyone attending the exhibits and completing an exam.

Exhibitor list is updated on the web, so check back often. Updates at <http://www.asclswa.org>

**1 Letting Go of the Rules of Three... And How Not to Let the MCHC Rule Your Life**

— *Jason Anderson, MPH, MT(ASCP), Sysmex America, Inc.*

This presentation will review the history of the Rules of 3, discuss why they were introduced into Hematology and why they need to go away. The speaker will discuss how modern sheath flow-based hematology analyzers have made the Rules of 3 obsolete.

**Hematology Case Studies: Every Picture Tells a Story**

This program will introduce its participants to new advances in automated Hematology cell counting. Case studies will illustrate new technologies designed to enhance detection of normal cells, as well as abnormal cells, in both whole blood and body fluid samples. We will also discuss how enhanced technologies can benefit the patient and clinician, as well as provide efficiency in your hematology workflow.

**Investigating Hemolysis in the Clinical Lab**

The second part will cover the physiology, mechanisms and causes of both intrinsic and extrinsic hemolysis. It will describe and compare laboratory testing/values (Hematology and Chemistry) in both types of hemolysis as well as it will help distinguish (via test results) between in-vivo and in-vitro hemolysis.

**Sponsor: Sysmex America, Inc**

**2 Behavior-Based Safety Programs**

— *Christina Kulakowski, ARUP Laboratories*

In Behavior-Based Safety Programs the workshop will summarize basic human behavior, including how most employees, without realizing it, have been conditioned to disregard safety rules and regulations. We will also identify the concepts of a traditional safety program and compare those with the concepts of a behavioral safety program. We will continue the discussion with how to create and maintain a positive safety culture by establishing a behavior-based safety program.

**Laboratory Ergonomics**

In Laboratory Ergonomics we will review proper workstation setup, as well as laboratory ergonomic work practices and principals with a focus on repetitive tasks such as microscope use, pipetting, and miscellaneous hand tool and computer use. Additionally, we will identify what to include in an ergonomics program—from effective training to ergonomic assessments and everything in between. Additionally, we will discuss specific laboratory case studies and work through problem-solving exercises to identify risk factors in a laboratory setting and how to mitigate the identified risk.

**Sponsor: ARUP Laboratories**

**3 Anticoagulation: The Laboratory's Role Now and In the Future**

— *Katherine (Katy) Whelchel, MT(ASCP)SH*

Diagnostica Stago

Anticoagulation monitoring is an important part of the Coagulation department's service to its patient population. Coumadin and heparin remain the primary medications; screening tests are still used as monitoring methods. This lecture will focus on direct heparin monitoring and the future of Direct Oral Anticoagulant (DOAC) measurement. We will examine DOACs, their effect on coagulation assays, and how best to measure them.

**Sponsor: Diagnostica Stago**

**Clinical and Diagnostic Testing of Patients with Cardiorenal Syndrome**

— *Monet N. Sayegh, MD, MS, BS, MT(ASCP)SH, CLS*

Siemens Healthineers

We will explain the concept of the Cardiorenal syndrome, looking at how we define it, what types there are, and what is known about the underlying pathophysiology. We will review the current guidelines for diagnostics by the ADA and by the KDOQI guidelines. Finally we will review case studies that can help us pull this information together with real-life applications of these guidelines with real-life patients.

**Sponsor: Siemens Healthineers**

..... Visit the Exhibits 11:45 AM - 2:15 PM ... Lots of great information! .....

**4 Pre-Analytical Concerns in Blood and Urine Testing: Best Practices and Leveraging Technology to Improve Sample Quality**

— *Jean Tenuta, MS, MBA, MT(ASCP)DLM, SLS, CQA(ASQ), Becton, Dickinson and Company*

Studies show that 75% of erroneous results reported occur in the pre-analytic phases. This session will explore what laboratorians can do to procure samples that most accurately reflect a patient's clinical status, while adhering to the pressures of minimizing turnaround time and improving the patient experience and outcomes.

**Sponsor: Becton, Dickinson and Company**

**5 Unwanted Blood Clots: Venous Thromboembolism Screening and Diagnosis, and Heparin-Induced Thrombocytopenia Testing**

— *Paul Riley, MD, PhD, Diagnostica Stago, Inc.*

D-dimer assays are most useful when demonstrated to have high clinical sensitivity to detect all patients with venous thromboembolism (VTE). This presentation will not only cover the clinical impact of VTE but it will also discuss how D-dimer, pretest probability, and utilization potentially saves healthcare dollars by preventing false positives, resulting in fewer unneeded imaging procedures. In addition, heparin-induced thrombocytopenia (HIT) is a dangerous thrombotic condition associated with heparin anticoagulant therapy. The presentation will cover HIT screening and diagnosis best practices, showing how the hospital lab can help to prevent serious complications associated with this disorder, as well as more effectively utilize monetary spending on alternative anticoagulants.

**Sponsor: Diagnostica Stago, Inc.**

**6 Biologics Therapeutic Drug Monitoring**

— *Kelly Chun, PhD, Esoterix, Labcorp*

Biologic drugs (therapeutic proteins) have revolutionized the medical care of patients with inflammatory bowel disease and rheumatoid arthritis. The specialized laboratory plays a critical role in optimizing the use of these costly therapies by providing both drug and anti-drug antibody concentrations. These assays allow physicians to personalize dosing and make other critical medical decisions. This talk will outline key concepts necessary to understanding this area of specialized therapeutic drug monitoring.

**Sponsor: Esoterix, Labcorp**

**Endocrine Hypertension**

— *Donald Walt Chandler, PhD, LabCorp*

Hypertension affects about 1/3 of adult Americans with a conservative definition. While hypertension is common the outcomes are dangerous. Primary, idiopathic or essential hypertension accounts for the vast majority of cases. Essential hypertension is usually treated medically with one or more agents. Treatment is often effective, but for most patients there is no definitive cure known.

**Sponsor: LabCorp**

**7 Opioid Deaths - A Public Health Crisis**

— *David K Roberts, PhD, Legacy Laboratory Services*

Opioid deaths are now the nation's number one public health concern surpassing automobile deaths. We will explore an array of "who done its" to include pharma-

ceutical companies, hospitals, physicians, criminals and patients. The talk will include the chemical nature of opioids and their families. We will also explore how opioids cause intoxication and death. Lastly, we will touch on what labs and citizens can do to help address this tragedy.

**Sponsor: Legacy Laboratory Services**

**8 Molecular Testing at Point-of-Care: If It Is CLIA-Waived, Nothing Can Go Wrong. . .Right?**

— *Norman Moore, PhD, Abbott Rapid Diagnostics*

Overuse of antibiotics is a significant global crisis. To help change prescribing habits, better diagnostics are needed at the point-of-care setting. This talk will discuss the pros and cons of newer technologies and apply them to certain disease states. CLIA-waived tests are considered by the FDA to be simple to perform with low risk for incorrect results. However, no test is infallible. Care must be taken to take the clinical samples appropriately and run the tests per package insert instructions. Additionally, no test has perfect sensitivity and specificity. This talk will go through issues that can affect results with these tests.

**Sponsor: Abbott Rapid Diagnostics**

**9 Missions and Microscopes**

— *Heidi M. Wahlquist, MLS (ASCP)<sup>CM</sup>, MHM, Kaiser Permanente*

Discussion of a medical technologist on a medical mission trip is the focus of this session. Over the past 4 years traveling to rural Guatemala for a medical mission trip, I've learned what a medical technologist can do in the field that is beneficial to patients, and how we can make a difference in the care provided. The session will cover the experiences I've had, what I bring to the lab, and the value of providing a clinical laboratory on medical mission trips in rural areas.

**10 Moving Hematology Forward**

— *Kathy Davidson Altig, BS, MT(ASCP), Beckman Coulter, Inc*

Hematology is no longer just counting cells. This session will help you understand what other information our automated hematology instruments can provide for us.

**Sponsor: Beckman Coulter, Inc**

**Digital Cell Morphology and Advanced RBC Software with Relevant Case Studies**

— *Scott Dunbar, BS, MS, CellaVision*

This presentation will demonstrate how artificial neural networks can standardize a very subjective area of the laboratory, the Differential Bench. This will cover WBC and RBC Morphology and Differentials with relevant esoteric case studies.

**Sponsor: CellaVision**

**11 Coag for Chemists**

— *Kevin Foley, MT, PhD, DABCC, Kaiser Permanente NW*

This section re-explains clinically-relevant coagulation tests from a clinical perspective. It is meant to remove the fear-factor (pun intended) that many of us, who were trained long ago, now associate with coag testing. The session will present an overview of the differences between common coagulation tests and when they are used clinically. Several case studies will also be presented.

**Natriuretic Peptides and Sacubitril/Valsartan in the Management of Heart Failure**

— *Monet N. Sayegh, MD, MS, BS, MT(ASCP)SH, CLS*

Siemens Healthineers

Understanding the function of natriuretic peptides (BNP and NT-proBNP), both as a cardiohormone and as a clinical test, is important in the diagnosis and management of cardiovascular disease. Clinical utility of BNP and NT-proBNP testing has had tremendous impact for medical professionals involved in HF and ACS patient care. This seminar presents current applications of BNP and NT-proBNP assays

**Sponsor: Siemens Healthineers**

**12 Molecular Multiplex Testing in Microbiology**

— *Kendall Bryant, PhD, D(ABMM)*

Northwest Kaiser Permanente

We will discuss the current trends for molecular multiplex testing for infectious disease organisms. The advantages and pitfalls of multiplex testing will be examined, as well as the strategy to optimally utilize the multiplex testing.

**Musings on the Future of Point of Care Testing**

— *Kevin Foley, MT, PhD, DABCC*

Kaiser Permanente NW

This will be a broad talk on the current and future state of point of care testing. Audience participation is expected in an effort to share best practices and stories related to POC compliance and new testing platforms. This talk will be a discussion on how we think POC testing will evolve in coming years.

**13 The Current Status of C. Difficile Testing and Influenza Testing**

— *Norman Moore, PhD, Abbott Rapid Diagnostics*

*Clostridium difficile* may cause anything from asymptomatic colonization to significant diarrhea and even pseudomembranous colitis. It is quite often acquired in healthcare environments when patients are put on antibiotics that subsequently disrupt the intestinal microflora. This lecture covers the latest guidelines and data on diagnostic methodologies. Influenza outbreaks happen yearly. The variety of strains makes predicting the severity of the season or the efficacy of the vaccine difficult. Early diagnosis can help differentiate influenza from pneumonia so appropriate therapy can be given.

**Sponsor: Abbott Rapid Diagnostics**

**14 Current Concepts in HIV & Hepatitis Diagnostics**

— *Jared Jaeger, PhD, Ortho Clinical Diagnostics*

This session provides attendees with an overview of laboratory tests used to aid physicians in the diagnosis of HIV & Viral Hepatitis A/B/C. The importance of analytical sensitivity as it relates to patient seroconversion will be reviewed. We will explain the difference in available HIV assays and define and discuss various causes of Viral Hepatitis. We will also discuss the CDC Guidelines for HIV and Hepatitis screening.

**Sponsor: Ortho Clinical Diagnostics**

**Circulating Hormone Biomarkers Levels in Response to Modern Day Stressors**

— *Ryan E Brown, MS, MLS, Oregon Institute of Technology*

The modern human has an ever-increasing amount of stress and expectation imposed by both society and themselves. These expectations come with a cost to both our bodies and mind. Given time these stress responses can develop into pathology, loss of quality of life, and in the most extreme circumstances, the taking of one's life. What if we can also couple these social science methods with empirical data?

**Sponsor: Oregon Institute of Technology**

**15 How to Utilize Students Effectively in the Workplace**

— *Dawn Taylor, EdM, MT(ASCP), Caroline Doty, MS, MLS(ASCP), Rachelle Barrette, MLS(ASCP), SBB*

Oregon Institute of Technology / OHSU

In this segment we will provide tips and hints for using students to improve productivity in a busy workplace. Let student workers (unpaid labor) be a help to under-staffed workplaces instead of a burden.

**How to Prevent the Brain Drain: Download and Transfer the Knowledge of Experienced Laboratory Professionals**

With the current turnover rate of laboratory personnel, there is an increasing need to retain the knowledge of seasoned professionals. We will discuss methods for transferring expertise to newbies and those still working in the laboratory.

**Sponsor: Oregon Institute of Technology / OHSU**

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### A Review of Prenatal Screening Options

— Danelle Beaudoin, PhD, Legacy Laboratory Services, LLC

Prenatal screening in serum and amniotic fluid has been detecting potential birth defects and chromosomal abnormalities for greater than twenty-five years. This presentation will consider the clinical and analytical implications for both first and second trimester screening as it relates to Down syndrome, Trisomy 18, and open neural tube defects. Quality assurance will be briefly discussed as it relates to bringing this testing in-house. Finally, emerging molecular technologies and new screening techniques will be reviewed and compared to other non-molecular testing.

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### Surviving Instrument Downtime

— Tina J. Batsch MT (ASCP)

Newport Hospital and Health Services

If you ever have worked in a lab, chances are you have experienced instrument downtime. This session will begin with an example of a worst-case scenario result of an instrument being down. Next, back up and work round procedures will be discussed. Finally, a look at the aftermath and how instrument downtime affects the areas of billing and coding, result reporting, and the impact it had on the budget will be reviewed.

### Creating a Positive Work Environment in The Clinical Lab Workforce

Staffing turnovers, working within budget constraints, and lack of communication can lead to burnout and negativity in the workplace. This session will provide ways to overcome staffing shortages and avoid high agency placement rates by discussing re-structure in workflow. This session will also discuss working and bridging the generation gaps as more and more Millennials enter the workforce.

**Sponsor: Newport Hospital and Health Services**

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### CLIA '88: Thirty (30) Years Later

— Francisca Lehr, MSMT, Lehr Science, LLC

This session is about the Clinical Laboratory Improvement Amendments (CLIA) program administered by the Centers for Medicare & Medicaid Services (CMS). The objective of the CLIA is to ensure quality laboratory testing. The presenter has been inspecting clinical laboratories nationally and internationally for thirty (30) years, and will talk about the inception of CLIA to the present time. She will also discuss the national laboratory universe and top ten deficiencies in the nation including those seen in Washington and Oregon states. Other topics include: Quality Systems Regulations, Test Categorizations, Quality Control (IQCP), Personnel Requirements, Certificate of Waiver (COW) study, Food and Drug Administration (FDA), Laboratory Registry, and Alaska's Provider and Performed Microscopy Procedures (PPM) outreach. About twenty to thirty minutes are set aside allowing participants to discuss any laboratory issues they are having.

### DCLS Programs: What Is It, Who Is It For, Where Are The Programs Located, Why Would an Organization Need This, and How Are Organizations Utilizing These Practitioners?

— Jennifer Hayes, MLS (ASCP)<sup>CM</sup>, Oregon State Hospital

The evidence of need and the desire of many medical laboratory scientists to further their education was the driving force for the creation of the Doctorate of Clinical Laboratory Science (DCLS) program. The DCLS program is now picking up steam, but what exactly is a DCLS and how is it used? This session will dive into the programs offered and what DCLS graduates can expect upon completion.

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### Using LEAN to Achieve High Reliability in the Laboratory

— Karl E. Kamper, MT(ASCP), FACHE, Willamette Valley Medical Center

Zero Events of Harm... this statement defines the goal of every Highly Reliable healthcare organization. This seminar looks at LEAN tools and applies them to the laboratory. If you have ever wanted to understand LEAN, this hands on seminar is just for you. (Yep, we are going to break out the Legos, and have some fun.) Whether you are a beginner, or a seasoned expert, this seminar will reignite your passion for quality at the source, standard work, eliminate waste and help your laboratory achieve its goals in a culture of high reliability.

**Sponsor: Willamette Valley Medical Center**

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### HLA - Playing with Matches

— Shonna Sims, MBA, American Red Cross

Finding platelets for a patient who has formed antibodies to Human Leukocyte Antigens (HLA) can be a difficult task. Once HLA antibodies have been identified, selecting the appropriate platelet for transfusion, quickly, is important. This session will present an overview of the HLA system and antibody formation, as well as facilitate an understanding of the challenges of matching donor platelets to patients. The methodologies for HLA antibody identification will be presented, exploring difficulties encountered during testing, such as prozone effect and platelet specific antibody incompatibility.

### A Cornucopia of Blood Bank Updates

— Jeanne Scott, MT(ASCP)SBB

American Red Cross, Pacific Northwest

This session will cover a myriad of blood bank topics including blood products used for massive transfusion protocols, platelet apheresis products, "jumbo" plasma and liquid plasma. We will also cover some new monoclonal antibody therapy drugs that can interfere with blood bank testing.

**Sponsor: American Red Cross**



**Attention! Last Chance to Visit the Exhibits!  
Exhibits are open from 11:45 AM to 1:30 PM**

**21** — **The HLA System in Human Health and Disease**

— *Paul Warner, PhD, MT(ASCP), D(ABHI), Bloodworks Northwest*

The Human Leukocyte Antigen (HLA) system is the most polymorphic genetic system ever described in humans. This session will be divided into three distinct topics:

- 1) A description of the HLA system, including it's pivotal role in shaping and driving adaptive immune responses.
- 2) How HLA testing is utilized in solid-organ transplantation.
- 3) How HLA testing is utilized in transfusion support (i.e. immune-refractory platelet recipients) and disease association/pharmacogenomics.

**Sponsor: Bloodworks Northwest**

**22** — **Blood Bank Review for Non-Blood Bankers**

— *Terese Abreu, MA, MLS(ASCP)<sup>CM</sup>, Heritage University*

This blood bank review is for those of you who have not stepped foot in a blood bank section since becoming certified. Refresh your memory and learn about new developments while we walk down memory lane with ABO, Rhesus, those naughty Kidds and Lewis, just to name a few. We will review basic theory and some technical information, then try our hand at the fun stuff - solving antibody ID panels.

**23** — **The World of Laboratory Practice: Qualifying Educationally According to CLIA or Who Can (or Can't) Do What?**

— *Lisa G. Countryman MPH, CLS(CA), MLS(ASCP), Oregon Health Authority*

This session will cover the CMS regulatory guidelines qualifying individuals for specific roles in the Clinical Laboratory. These roles can be performed in all phases of Clinical Laboratory testing from Certificate of Waiver to High Complexity testing, and include individuals with various degrees: MDs, PhDs, MS, BS, RNs, and HS graduates. Clarification will be given regarding education and required experience for personnel titles including Laboratory Directors, Clinical Consultants, Technical Supervisors, Technical Consultants, General Supervisors and Testing Personnel.

**Validation Surveys of Laboratories, Certificate of Accreditation and Certificate of Compliance.**

— *Eric V. Espinosa, BSCE, BSS(ASCP)*

Oregon Health Authority

This session will cover CMS regulatory guidelines involving validation surveys for laboratories that have a Certificate of Accreditation or Certificate of Compliance. We will cover why validation surveys are performed, and answer the questions: What is a validation survey? How often is validation survey done? We will discuss the difference between the two types of validation surveys. Finally we will talk about what happens if deficient practices were found during the survey process, and how to respond.

**Oregon State Agency/Laboratory Compliance Section Update**

— *Stephanie B. Ringsage, BS, MT(ASCP)*

OHA Oregon State Public Health Lab

This session will provide a brief overview of the Oregon Health Authority and the Oregon Public Health Division with a focus on the Laboratory Compliance Section. Also discussed will be an update of the clinical laboratory testing within the state governed by the federal and state regulations. We will tell you how to contact the Laboratory Compliance Section for laboratory questions and concerns.

**Sponsor: Oregon Health Authority**

**24** — **Urinalysis with Reflex to Urine Culture - To Do or Not to Do?**

*Margret Oethinger, MD, PhD (AB-Path-MM), Providence St. Joseph Health*

Many clinical laboratories offer the test called "urinalysis with reflex to urine culture". This reflex test primarily helps our patients, because we only perform a laboratory test if it's indicated. This means the order to perform urine culture that would otherwise needed to be added on will not be missed. There are several problems associated with this reflex test. There are no national or international guidelines available.

**Syphilis Testing: Reverse Algorithm**

— *La'Tonzia L. Adams, MD, MS*

VA Portland Health Care System

In this session we will discuss the reverse and traditional algorithms of syphilis testing, including its current epidemiology status.

**Consult Cases in Microbiology**

— *Margret Oethinger MD, PhD (ABPath-MM) and La'Tonzia L. Adams, MD, MS*

The phone keeps ringing all day. We know them all: Questions - From rare to run-of-the-mill, cryptic to straightforward, trivial to really complicated! This session will have two parts. In part 1 two Clinical Microbiology Directors will go over all kinds of questions that are from real case examples. In part 2, we would like to encourage the audience to bring their own examples of noteworthy questions they came across. This part should be interactive.

**25** — **Blood Product Updates**

— *YanYun Wu, MD, PhD, Bloodworks*

This session will include a description of blood products and their uses. We will discuss updates on new products and their application and clinical significance.

**All About ABO**

This session will include a discussion of ABO transfusion practice including ABO related testing and related transplantation practice.

**Sponsor: Bloodworks**

**26** — **Practical Applications of Quality Control**

— *Michael Toyoshima, MT(ASCP), SC, Bio-Rad Laboratories*

This lecture presents a practical overview of basic concepts in quality control. It provides an examination of some creative applications of QC in the lab. The lecture also addresses some of the more common quality control problems that laboratory professionals face on a daily basis. We will discuss reagent crossovers, and how to deal with changes in QC and/or patient values. Seminar participants will be able to describe and properly use Westgard Rules. The presentation will also focus on interpretation of QC reports, using CVR (Coefficient of Variation Ratio) and SDI (Standard Deviation Index) to pinpoint areas of increased random or systematic error. This seminar is recommended for any individual that deals with Quality Control in the laboratory

**Sponsor: Bio-Rad Laboratories**

# Registration General Information

## To Register by Mail:

Complete the registration form and mail the registration form and check payable to

**NWMLS** to:

2018 Northwest Medical Laboratory Symposium

Brenda Kochis

44 West 26th Avenue

Spokane, WA 99203-1818

If questions, contact Brenda Kochis:

Email preferred: BrenKoch@comcast.net

Phone (before 8 pm) 509-939-8445 (leave message).

- » **Registration mail postmark by date: October 10, 2018.** This assures that your form will be delivered in time for us to provide you with the information to access the handouts. Registration is still available after this date, just allow for mail time.

## To Register Online:

Go to [www.asclswa.org](http://www.asclswa.org) and click on the **NWMLS** tab. Click on “Online Registration” to go to the online form. Credit cards can be used to pay for registration.

- » Registrants using the online form must have a completed registration by October 20, 2018 to receive lunch if eligible.

- **Evening Session** has a separate charge and includes a light dinner.
- **Lunch** is provided for those that register for two sessions (morning and afternoon) on the same day.
- **Handouts** for all sessions will **only** be available online. Registrants will be sent the web address, username, and password to access the handouts. Please print your email address clearly.
- **All sessions** are approved for P.A.C.E. credits.
- **Hotel reservations: ONLINE.** Visit the NWMLS website for more detailed information about online hotel reservations. Go to [www.asclswa.org](http://www.asclswa.org) and click on NWML/Hotel link. **PHONE.** If you are having trouble receiving the group rate using the online hotel reservation, call the hotel directly at (503) 256-5000. Ask for the “Northwest Medical Laboratory Group Rate” to get the seminar rates. **GROUP RATE DEADLINE.** Reserve your room by October 7, 2018. If booking after October 7, the rates will revert to the standard hotel rates.
- **No “NWMLS Registration” refunds** will be issued for non-attendance.

**Fees are by session.** Each session is 3 hours (half day). Please register for the membership category that you qualify for. More information about fee categories are on the website at [www.asclswa.org](http://www.asclswa.org) tab: NWMLS.

## Hotel and Conference Center

**Detailed information including driving directions may be found online at [www.asclswa.org/NWMLSHotel.html](http://www.asclswa.org/NWMLSHotel.html)**

All Sessions will be held at the Holiday Inn, located at 8439 NE Columbia Blvd, Portland, OR. Exhibits will be in the nearby Columbia Conference Center.

Rates for NWMLS attendees are \$109.00 for a single or quad, plus state and local tax. When calling the hotel at (503) 256-5000, please request the NWMLS group rate to obtain the correct rate.

Rates are held until **October 7, 2018**, after which room rates are at the discretion of the hotel.

# Registration Form

**2018 Northwest Medical Laboratory Symposium**  
 October 24 - 27, 2018  
 Portland, OR

**Online registration and credit card payment is available in the NWMLS link at [www.asclswa.org](http://www.asclswa.org) or**  
**For mail registration send this form with a check.**

First Name \_\_\_\_\_ Last Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip \_\_\_\_\_

Day Phone \_\_\_\_\_ Evening Phone \_\_\_\_\_

Institution \_\_\_\_\_

City/State \_\_\_\_\_

Email Address \_\_\_\_\_

**Are you willing to serve as a moderator?**  Yes  No

**Circle the sessions you will be attending.**

Wednesday Oct 24	AM	1	2	3	
	PM	4	5	6	
	Eve	7			
Thursday, Oct 25	AM	8	9	10	11
	PM	12	13	14	15
	Eve	16			
Friday, Oct 26	AM	17	18	19	20
	PM	21	22	23	24
Saturday, Oct 27	AM	25	26		

Category	# Sessions	Fee/session	Total Fee
<b>ASCLS/AMT Professional/Technical</b> .....		\$55.00	\$
ASCLS # _____ AMT # _____			
<b>Special Member</b> .....		\$70.00	\$
___AABB ___AACC ___ASC ___ASCT ___CLMA ___ASM ___ASH ___ASCP Member number _____			
<b>Non-Member</b> .....		\$85.00	\$
<b>Phlebotomist, AMT RMA/RPT/RDA</b> .....		\$35.00	\$
<b>Student</b> .....		\$25.00	\$
<b>Evening Session (Member, Nonmember, Special)</b>		\$30.00	\$
<b>Evening Session (Phlebotomist, Student)</b>		\$20.00	\$
<b>Total Fee</b> .....			\$

Mail with check to  
**2018 NWMLS**  
 Brenda Kochis  
 44 West 26th Avenue  
 Spokane, WA 99203-1818

Full payment in U.S. Dollars must accompany each mailed registration. Make check payable to **NWMLS**.

Mail by October 20 to assure timely arrival

**OR**

Online registration with credit card payment is available at  
**[www.asclswa.org](http://www.asclswa.org), click on NWMLS**

Northwest Medical Laboratory Symposium

Brenda Kochis  
44 West 26th Avenue  
Spokane, WA 99203-1818

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**NWMLS**

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**October 24 - 27, 2018  
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The full program description, objectives and additional  
information can be found in the online book at  
[www.asclswa.org](http://www.asclswa.org) in the NWMLS link

\* 26 CE sessions \* Exhibit Hall \* Registration Form \* Hotel Information