

Education, Exhibits, Networking

**2015 Northwest
Medical Laboratory
Symposium**

in the Pacific Northwest

**Lynnwood Convention Center
Lynnwood, WA
October 14 - 17, 2015**



**AMERICAN SOCIETY FOR CLINICAL LABORATORY SCIENCE, REGION IX
ASCLS-WASHINGTON
ASCLS-OREGON**

**AMERICAN MEDICAL TECHNOLOGISTS, WESTERN DISTRICT
OREGON STATE SOCIETY OF AMERICAN MEDICAL TECHNOLOGISTS
NORTHWEST STATE SOCIETY OF AMERICAN MEDICAL TECHNOLOGISTS**

Welcome to the 2015 Northwest Medical Laboratory Symposium

It won't be long until the leaves on the trees begin showing their glorious fall colors, the temperatures begin cooling off and the prime autumn opportunity for continuing medical laboratory education and professional networking is upon us. The NWMLS committee, composed of medical laboratory professionals from throughout the northwest, has once again planned a dynamic program. The American Society for Clinical Laboratory Science (ASCLS) and the American Medical Technologists (AMT) invite you to join us in Lynnwood, WA for this year's Symposium October 14 – 17, 2015.

Our clients, patients, and colleagues in the allied health professions rightfully expect and deserve for us, as medical laboratory professionals, to 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 covering topics in every aspect of laboratory medicine, from research to testing to management, are provided during this outstanding Symposium.

In addition to educational opportunities, you will not want to miss out on the chance to network with fellow laboratorians. This is your opportunity to gain refreshing encouragement from other medical laboratory professionals who are facing the same issues you face on a day-to-day basis.

The Exhibit Hall is not to be missed. This 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. Please thank them for their continuing support of the NWMLS in the sponsorship of our speakers and breaks.

We extend a warm welcome to our Medical Laboratory Science students as they expand their knowledge, skills, and values in preparation to provide competent and ethical care. This is an excellent opportunity for you to develop a new awareness of the actual practice of clinical laboratory science and meet with scientists who are employed in many different areas and have many different roles that go beyond working in the hospital.

Please seriously consider this sincere invitation to join us at the Lynnwood Convention Center for this year's Symposium. We look forward to seeing you there.

Shannon Billings
Director, ASCLS Region IX

Sheryl Rounsivill
AMT Western District Councilor

The 2015 Northwest Medical Laboratory Symposium Program and registration form are available on the Internet at the following URL

www.asclswa.org/NWMLS.html

Updates and other information will be provided through this site.

2015 NWMLS At A Glance

Wednesday, October 14	AM	1	2	3	4
	8:30 - 11:45 AM	Three Essential Fundamentals Needed to Make Lab Utilization Management Successful	The Clot Must Stop!!!	GI Disease in the Age of Antimicrobial Stewardship	Non-invasive Assessment of Liver Fibrosis Chronic Liver Disease
	Exhibits: 11:45 AM – 2:15 PM				
	PM	5	6	7	8
	2:15 - 5:30 PM	IQCP & POCT! Managing Risk, Improving Quality, and Increasing Value	Flow Cytometry in the Diagnosis of Hematologic Disorders Lymphoid Neoplasms in Peripheral Blood	Practical Nutrition Tips for Everyone Interpreting Lab values in Renal Failure	Automation in the Clinical Microbiology Laboratory
Thursday, October 15	AM	9	10	11	12
	8:30 - 11:45 AM	Primary Immunodeficiency Disease: Underdiagnosed at Any Age	Innovations in Blood Transfusion: Red Blood Cell Molecular Testing & Pathogen Reduction	Changing Face of the WA State Public Health Laboratories	Syphilis Disease Testing Cardiac Biomarkers in ACS and HF Diagnosis of Grave's Disease
	Exhibits: 11:45 AM – 2:15 PM				
	PM	13	14	15	16
	2:15 - 5:30 PM	Keep Calm and Carry On	Pediatric Acute Leukemia	Quality and Value Delivery From the Laboratory	Anemia Testing Biomarkers in Breast and Prostate Cancer
Friday, October 16	AM	17	18	19	20
	8:30 - 11:45 AM	Laboratory Safety Risk Assessment	Case Studies in Coagulation and Red Cell Disorders	Drug of Abuse Testing	Molecular diagnostics: Transforming the Diagnosis and Treatment of Infectious Diseases
	Exhibits: 11:45 AM – 2:15 PM				
	PM	21	22	23	24
	2:15 - 5:30 PM	Useful Tips for Performing Employee Training and Competencies	Chronic Lymphocytic Leukemia/Small Lymphocytic Lymphoma	Urine Culture Collection, the Perfect Specimen, and Hospital Associated Infection Reporting	Global Health Experiences in West Africa, Central Africa, Bolivia, and Haiti
Saturday, October 17	AM	25	26	27	28
	8:30 - 11:45 AM	Using Patient Safety Competencies to Improve the Quality of Laboratory Services	Preanalytical Variables Impacting Molecular Diagnostic Testing Introduction to Transplant Pathology	The Latest and Greatest in Clinical Microbiology	Blood Bank Review for Non-Blood Bankers
	PM	29	30	31	
	1:00 - 4:15 PM	Laboratory: Cytologic Evaluation of Body Fluids	To Phlebotomy and Beyond....The Changing Roles in the Medical Laboratory Sciences!	Antimicrobial Susceptibility Testing Challenges and Update	

Welcome to the 2015 Northwest Medical Lab Symposium

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Registration Hours

Wednesday, Thursday, Friday	7:30 AM - 8:30 AM 1:30 PM - 2:15 PM
Saturday	7:30 AM - 8:30 AM 12:30 PM - 1:00 PM

Session Times

Wednesday, Thursday, Friday	8:30 AM - 11:45 AM 2:15 PM - 5:30 PM
Saturday	8:30 AM - 11:45 AM 1:00 PM - 4:15 PM

Lunch

Wednesday, Thursday, Friday	11:45 AM - 12:45 PM
Saturday	12:00 - 1:00 PM

Exhibit Hours

Wednesday, Thursday, Friday	11:45 AM - 2:15 PM
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Earn 2.0 P.A.C.E. contact hours at no charge!

Obtain the exam in your registration packet or from the exhibit registration desk. Questions can be answered at the various booths in the Exhibit Hall over the three days. You can earn 2.0 contact hours of P.A.C.E. or AMTrax credit by successfully completing the exam. Turn in the exam at the Exhibits desk for grading and you will receive the session code. Plan to earn these extra CE hours!

NWMLS Committee

General Chair	Leonard Kargacin
Program	Leonard Kargacin(Chair) Mi Lim Kim Molly Morse Leslie Nakagawa Victoria Robbe
Exhibits	Brenda Kochis
Registration	Brenda Kochis Kirk Johnsen Edith Milan
Program Design	Brenda Kochis
Finance	Sigrid Reymond
Moderators	Toni Okada
Hospitality	Linda VanCitters
Sponsors	Toni Okada
Webmaster	Brenda Kochis

ASCLS - Region IX

Regional Director Shannon Billings

Region IX Forum Friday, October 16, 2015
6:00 - 7:30 PM

ASCLS-OR

President	Cara Calvo
President Elect	Patty DeTurk
Secretary	Jerri Ramirez
Treasurer	Krista Moore
Past President	Maja Chloupkova

ASCLS-OR Board Meeting
Friday, October 16, 2015 Follows Region IX Forum

ASCLS-Washington

President	Leslie Nakagawa
President Elect	
Secretary	Nicole Curatolo
Treasurer	Shawna Martin
Past President	Terese Abreu

ASCLS-WA Board Meeting
Friday, October 16, 2015 Follows Region IX Forum

CLSA

President	Brian Weisman
President Elect	Cassandra Brooks
Secretary	Tony Gregston
Treasurer	Stephanie Randrup
Past President	Scott Cox

Western District of American Medical Technologists Officers and Business Meetings

Western District Councillor Sheryl Rounsivill

OSSAMT

President	Marilyn Albertsen
Secretary	Audrienne Whitley
Treasurer	Edna Anderson
Past President	Louise Isbell

OSSAMT

Board Meeting, Thursday, Oct 15, 5:00 pm
Business Meeting, Friday, Oct 16, 6:00 pm

NWSSAMT

President	
Secretary	Danielle Rathbun
Treasurer	Roxanne Erskine

NWSSAMT Board Meeting and Business Meeting
To be Determined

Did You Know?

P.A.C.E. Contact Hours are available for attending the Exhibits. All you have to do is correctly answer 80% of the questions on a quiz that we give you before you go into the Exhibits. The answers to these questions are available at the various booths. And you don't have to rush, since the questions can be answered over more than one Exhibit session.

Great way to earn 2.0 contact hours at no charge!

Best Western Alderwood Hotel

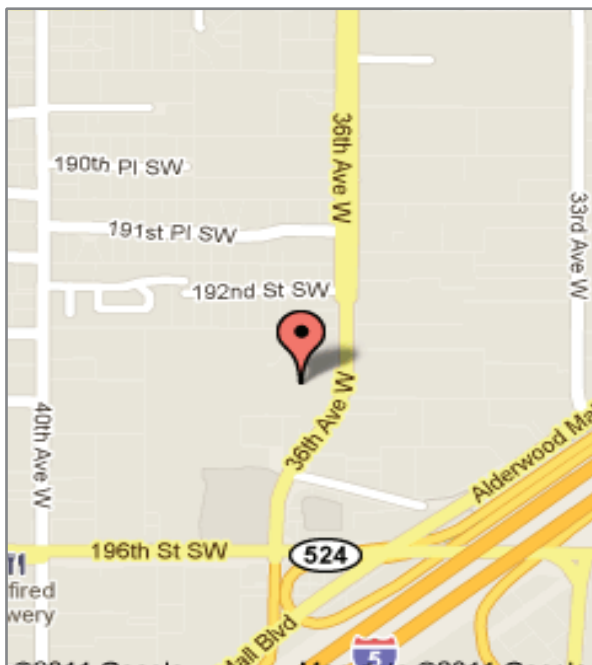


Hotel Information

Special group rates are available at the Best Western Alderwood Hotel through

October 3, 2015.

After that date, room rates will be at the discretion of the hotel. Please mention that you are with the Northwest Medical Laboratory Symposium when making your reservations by telephone at 425-775-7600.



Best Western Alderwood Hotel

19332 36th Ave W
Lynnwood, WA 98036
Phone: 425-775-7600
Fax: 425-771-3087

Website: <http://www.bestwesternwashington.com/hotels/best-western-alderwood/>

The Hotel will honor the following overnight room rates:

\$89.99 for single or double bed

Hotel room rates are subject to applicable state and local taxes.

Reservations: Call the hotel at 1-800-205-6935 or 1-425-775-7600. You must request the NWMLS group rate to obtain the listed room rate. The group rate will be honored until October 3, 2015.

There is no charge for parking at the Best Western Alderwood Hotel.

Lynnwood Convention Center



Lynnwood Convention Center

3711 196th Street SW
Lynnwood, WA 98036

Toll Free: 888-778-7155
Fax: 425-778-7965

Website: www.lynnwoodcc.com

The Lynnwood Convention Center has 600 free parking places. All sessions will be at the Convention Center. There is no charge for parking at the Lynnwood Convention Center.

DIRECTIONS FROM SEATTLE:

- Take I-5 North; Take Exit 181B (Alderwood Mall)
- Take left onto Poplar Way (first light)
- Take left onto 196th Street
- Drive West over the freeway, Convention Center is on the right.
- For the Alderwood Best Western Hotel, turn right onto 36th Avenue W (The Best Western Alderwood is on the left just North of the Lynnwood Convention Center.)

DIRECTIONS FROM EVERETT:

- Take I-5 South; Take Exit 181 West
- Drive West one block, Convention Center is on the right.
- For the Alderwood Best Western Hotel, turn right onto 36th Avenue W (The Best Western Alderwood is on the left just North of the Lynnwood Convention Center.)

DIRECTIONS FROM EASTSIDE/BELLEVUE

- Take I-405 Northbound
- Merge onto I-5 Southbound; Take Exit 181 West
- Drive West one block, Convention Center is on the right.
- For the Alderwood Best Western Hotel, turn right onto 36th Avenue W (The Best Western Alderwood is on the left just North of the Lynnwood Convention Center.)

Wednesday, October 14, 2015

Session 1

8:30 - 11:45 am
Intermediate
3 contact hours

The Three Essential Fundamentals Needed to Make Lab Utilization Management Successful: The Seattle Children's Hospital Chronicle

- **Jane Dickerson, PhD, DABCC**
Seattle Children's Hospital
- **Patrick Mathias, MD, PhD**
Dept. of Laboratory Medicine
University of Washington
- **Shannon Stasi, MS, LCGC**
Seattle Children's Hospital
Seattle, WA

Three short presentations from the perspective of a lab genetic counselor, a clinical chemistry PhD, and a lab informatics expert will showcase the three-pronged approach to practicing utilization management at Seattle Children's Hospital. Each speaker will discuss their role in reducing unnecessary testing and the associated cost to both the patient and lab, while improving the value of laboratory testing.

Objectives:

- ✓ Describe methods to collect and analyze appropriate laboratory data to justify additional resources, capture duplicate testing data, and indicate cost avoidance/savings,
- ✓ Identify challenges in ordering genetic tests that contribute to diagnostic error, and
- ✓ Design processes to initiate test ordering behavior change within an institution.

Session 2

8:30 - 11:45 am
Intermediate
3 contact hours

The Clot Must Stop!!!

- **Maggie DiUlio, MT(ASCP)SH, Farmer**
Providence Health, Everett
Monroe, WA

We will begin with a solid review of clot initiation, formation and lysis, followed by a review of traditional anticoagulant therapies. This review will be followed by a discussion of new anticoagulant and lytic therapies, their advantages and disadvantages and measurement techniques.

Objectives:

- ✓ Recall the basic parameters of clot formation and lysis,
- ✓ Recall the traditional antiplatelet and anticoagulant therapy and their modalities, and
- ✓ Discuss the number of new anticoagulant therapies, recall their modalities of function and the challenges of measurement techniques.

**Session
3**

8:30 - 11:45 am
Intermediate
3 contact hours

GI Disease in the Age of Antimicrobial Stewardship

- Darcy Whitlock, MS

Alere, Inc
Salem, Virginia

One of the greatest global threats is the rising tide of antibiotic resistant bacteria. Yet even with this crisis, many doctors prescribe antibiotics based on symptoms rather than rely on diagnostics that could better define what antibiotic should be used - or even if one is needed at all. Indiscriminate use of antibiotics may lead to other consequences, such as treating for pneumonia can lead to *C. difficile*. Gastrointestinal diseases pose a particular risk as they can be difficult to diagnose and antibiotic treatment can lead to severe complications.

Objectives:

- ✓ Discuss the medical significance of antibiotic resistance and key aspects of antimicrobial stewardship,
- ✓ Discuss the medical impact of disease treatment and its downstream affects, and
- ✓ Explain the diagnostic options available today and how they can affect clinical decisions.

Sponsor: Alere, Inc.



The ability to meet face-to-face with other professionals to share ideas is why the NWMLS matters and adds value over online CE.
.....Lisa (McDonnel) Klingler.....

**Session
4**

8:30 - 11:45 am
Intermediate
3 contact hours

Non-invasive Assessment of Liver Fibrosis

Patricia Slev, PhD

University of Utah/ARUP Laboratories
Salt Lake City, UT

Chronic liver disease due to a variety of etiologies is a leading cause of morbidity and mortality in the US. Regardless of etiology, assessing the stage of liver disease is critical for treatment decisions, prognosis and general medical management. The gold standard for assessing liver fibrosis is a biopsy. However, biopsies are invasive, expensive and can be accompanied by a number of complications. For these reasons, many non-invasive markers (NIMs) have been developed and are increasingly used in clinical practice. This presentation will review non-invasive approaches for assessing liver fibrosis, with an emphasis on surrogate serum biomarkers, including Fibrosure and Fibrometer.

Objectives:

- ✓ Explain pathogenesis of liver fibrosis,
- ✓ Explain the advantages and limitations of non-invasive markers for assessing liver fibrosis, and
- ✓ Describe common serum marker assays for assessing liver fibrosis.

Chronic Liver Disease: Diagnosis and Management

Chronic liver disease is a leading cause of morbidity and mortality in the US. Common etiologies of chronic liver disease include alcohol use, non-alcoholic fatty liver disease and viral hepatitis. This session will emphasize laboratory diagnostic algorithms and management guidelines for chronic liver disease due to viral hepatitis. Major advances in HCV therapy have transformed HCV infection management and will be discussed in detail.

Objectives:

- ✓ Discuss serologic and molecular assays for diagnosis and management of HBV and HCV infections,
- ✓ Discuss recent, revolutionary advances in HCV therapy, and
- ✓ Describe recent recommendations for management of hepatitis C infection.

Sponsor: ARUP Laboratories

Don't Forget!

Visit the Exhibits

11:45 AM to 2:15 PM

Get free 2.0 hours P.A.C.E. by completing an exam at the Exhibit Hall

Wednesday, October 14, 2015

Session 5

2:15 - 5:30 pm
Intermediate
3 contact hours

IQCP & POCT! Managing Risk, Improving Quality, and Increasing the Value of Point of Care Testing

- **Kimberly Skala, MT (ASCP)**
Instrumentation Laboratory
Oak Lawn, IL

In an ever changing Laboratory environment, Lab Managers and Point of Care Co-ordinators are tasked with developing IQCPs while improving quality and managing risks related to POCT. The challenging journey ahead will require a roadmap to navigate risk assessment and will require collaboration between the Laboratory, Point of Care Coordinators, Caregivers, and Vendors, working together in the patient's best interest all while meeting regulatory requirements.

Objectives:

- ✓ Describe the changes in regulatory requirements related to IQCP development,
- ✓ Identify 5 areas that must be assessed for risk for the CMS Individual Quality Control Plan (IQCP), and
- ✓ List ways to improve quality and POCT management.

Sponsor: Instrumentation Laboratory

Did You Know?

P.A.C.E. Contact Hours are available for attending the Exhibits. All you have to do is correctly answer 80% of the questions on a quiz that we give you before you go into the Exhibits. The answers to these questions are available at the various booths. And you don't have to rush, since the questions can be answered over more than one Exhibit session.

Great way to earn 2.0 contact hours at no charge!

**Session
6**

2:15 - 5:30 pm
Intermediate
3 contact hours

**Flow Cytometry: Principles and Clinical Applications in the
Diagnosis of Hematologic Disorders**

- **Xueyan Chen, MD, PhD**
University of Washington
Seattle, WA

This session will review the general principles of flow cytometry including instrumentation and data analysis, and discuss the clinical application of flow cytometry in the diagnosis of various hematologic disorders.

Objectives:

- ✓ Describe of the principles of flow cytometry,
- ✓ Describe the key components of flow cytometry data analysis, and
- ✓ Discuss the clinical utility of flow cytometry.

Lymphoid Neoplasms in Peripheral Blood

- **Yi Zhou MD, PhD**
University of Washington
Seattle, WA

The lecture will be a case based review of classification of lymphoid neoplasms and typical neoplastic morphology in peripheral blood.

Objectives:

- ✓ Describe classification of various type of lymphoid neoplasms,
- ✓ Recognize typical morphology of neoplastic lymphocytes, and
- ✓ Discuss additional tests required for diagnosis.



**Session
7**

2:15 - 5:30 pm
Intermediate
3 contact hours

You Are What You Eat: Practical Nutrition Tips for Everyone

- **Katy Wilkens, MS, RD**
Northwest Kidney Centers
Seattle, WA

This presentation will provide a review of good nutrition information for everyone, with special emphasis on lowering sodium and increasing potassium intake. Data on US salt consumption, issues of obesity in the US and ways individuals can improve their health and the health of others through practical life changes will be discussed.

Objectives:

- ✓ List 5 changes that you will make in your and your family's diet,
- ✓ List ten top salt containing food in the US, and
- ✓ Choose healthy choices from a sit-down and fast-food restaurant.

Interpreting Lab values in Renal Failure: Men in Black

What on earth is going on with renal failure and labs? What do clinicians do with all these weird numbers in renal patients? What is the difference between CKD and ESRD? What about drugs used in renal failure, how do they affect labs? What-s the big deal about albumin? How can laboratory medicine help improve quality of life and outcomes in renal failure? What you should talk to your renal professional about.

Objectives:

- ✓ List 5 lab tests that need special interpretation in light of renal failure diagnosis,
- ✓ Discuss interpretation of complex issues of calcium/phosphorus/vitamin D and renal bone disease, and
- ✓ Describe the dialysis treatment, and lab issues relating to therapy.



Wednesday, October 14, 2015

Session 8

2:15 - 5:30 pm
Intermediate
3 contact hours

Microbiology Meets the 21st Century: Automation in the Clinical Microbiology Laboratory

- **Kelly L Johnson RM(AAM) M(ASCP)**
DiagnosTechs, Inc
Kent, WA

Change is coming rapidly to the Clinical Microbiology laboratory. Advances in technology are impacting all process from set up through to reporting. This session will present an overview of the technologies that are at work. A basic description of how the technology works will be provided as well as how the technology is being used in Clinical Microbiology.

Objectives:

- ✓ Discuss how the technologies will impact the participant in how they perform their daily work, and
- ✓ Discuss what may be coming in the not too distant future.

Exhibits

Did you get to see all the companies in the Exhibit Hall?
More chances Thursday and Friday.

Don't forget to work on your Exhibit Hall Exam. A great
opportunity to earn 2.0 contact hours for your effort!

Handouts

Handouts are only available online at www.asclswa.org. Several weeks before the Seminar, registrants will receive an email from BrenKoch@comcast.net with session confirmations and instructions for accessing the handouts. Be sure to print them and bring them with you to the meeting. No handouts will be available onsite.

**Session
9**

8:30 - 11:45 am
Intermediate
3 contact hours

**Primary Immunodeficiency Disease:
Underdiagnosed at Any Age**

- **Anne L Sherwood, PhD**
The Binding Site, Inc.
Shoreline, WA

Primary Immunodeficiency Diseases (PID) are inborn, genetic disorders with defects in one or more components of the immune system. There are over 180 disease states associated with PID, and they are often underdiagnosed due to the level of severity of the immune dysfunction. There are economic and social consequences due to lack of diagnosis, and thus awareness and proper testing will help to identify PID.

During this program, a discussion of the categories of PID, the various methods of testing involved, and economic impact of lack of diagnosis will be discussed. The second half of the session will include an overview of complement systems and a discussion of assays which measure complement activity (such as CH50 and CH100) and other tests used in the diagnosis of PID.

Objectives:

- ✓ Identify the difference between primary and secondary immunodeficiency, and understand categories of Primary Immunodeficiency Diseases (PID),
- ✓ Recognize testing methodology for determining presence of a PID, and
- ✓ Discuss the potential economic impact of lack of diagnosis of a PID.

Sponsor: The Binding Site, Inc.



Seminar speakers have given me
great "out of box" ideas to try."

Thursday, October 15, 2015

**Session
10**

8:30 - 11:45 am
Intermediate
3 contact hours

**The Latest Innovations in Blood Transfusion: Red Blood Cell
Molecular Testing & Pathogen Reduction**

- **Yanyun Wu, MD**
- **Meghan Delaney, DO, MPH**
- **Jackie Degler, MT(ASCP)**

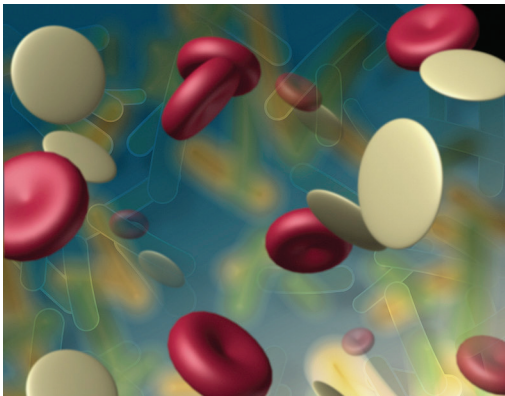
Bloodworks Northwest
Seattle, WA

In this session the latest advances in transfusion testing and safety will be discussed. Red cell genotyping is improving the way that we transfuse blood. Speakers will focus on how red cell genotyping is incorporated into serological testing to achieve accurate and useful information including antibody identification and blood typing discrepancies. The advent of pathogen reduction technologies are changing the way the blood supply is safeguarded against infectious threats. Learn how pathogen reduced blood products will be used in the clinical setting.

Objectives:

- ✓ Describe how serology and red cell molecular testing are complimentary for patients who need blood transfusions,
- ✓ Discuss how advances in genotyping can resolve RhD blood typing discrepancies, and
- ✓ Discuss pathogen reduction technologies and how their use will impact transfusion safety.

Sponsor: Bloodworks Northwest



**Session
11**

8:30 - 11:45 am
Intermediate
3 contact hours

Syphilis: Clinical Disease and Testing Algorithms

- **Katherine Soreng, PhD**
Siemens Healthcare Diagnostics
Tarrytown, NY

Syphilis is a bacterial infection exclusive to humans that can often be misdiagnosed. Syphilis cases are on the rise in the US, with important implications for both disease progression and vertical transmission in pregnant women. Both treponemal and nontreponemal assays are important for the diagnosis of syphilis. Emerging evidence suggests that adoption of a reverse-screening algorithm (treponemal assay followed by a nontreponemal for confirmation) may identify cases that would be missed with traditional testing (nontreponemal confirmed with treponemal). The advantages and limitations of both testing approaches will be reviewed.

Objectives:

- ✓ Define both treponemal and nontreponemal assays and their role in the diagnosis of syphilis,
- ✓ Discuss the clinical disease course of syphilis as well as the risk posed by vertical transmission, and
- ✓ Review testing algorithms supported by the CDC and the impact on the accurate identification of disease.

Clinical Utility of Cardiac Biomarkers in ACS and HF

Cardiac troponin (cTn) is an important biomarker in the diagnosis of myocardial infarction (MI). While multiple cTn assays are commercially available (both cTnI and cTnT), not all meet the performance criteria as outlined in the 2012 Universal Definition of an MI. This presentation will review the clinical utility of cTn and discuss the role of sensitivity, analytic variation, and changing patterns of cTn in the assessment of MI. A discussion on contemporary versus sensitive and high sensitive assays will be included, as well as the current recommendation for use of cTn over other less sensitive and less specific assays such as CK-MB and myoglobin (including assessment of reinfarction).

Natriuretic peptides (BNP/NTproBNP) are a valuable biomarker in both diagnosis and prognosis of heart failure patients. The clinical utility of these assays will be reviewed, along with a discussion on similarities and differences in BNP versus NTproBNP. Clinical features such as cut-points and factors impacting both unexpectedly low as well as high values will be discussed.

Objectives:

- ✓ Define the role of cTn in the diagnosis of MI as outlined in the 2012 Universal Definition of MI (including assessment of reinfarction),
- ✓ Identify performance features of cTn assays that result in guideline-compliant versus clinically/not clinically useful performance, and
- ✓ Define similarities and differences in cTnI and cTnT assays, including POC assays versus lab-derived values.

Clinical Utility of Antibody Testing in the Diagnosis of Grave's Disease

Thyroid disease is common in the US, with women being disproportionately impacted. Grave's disease is an autoimmune condition that results in hyperthyroidism, and can be clinically challenging to diagnose, as signs and symptoms can vary. Typically, Grave's is often identified long after the onset of disease, depriving patients of early clinical management and control of pathologic damage. Pregnant women with Grave's risk transmission of antibody across the placenta, producing neonatal thyrotoxicosis. The role of antibody testing (both TRAb and TSI) in the diagnosis of Grave's will be explored, including the value of TSI testing in aiding a specific diagnosis.

Objectives:

- ✓ Review the pathophysiology of Grave's disease and hyperthyroidism.
- ✓ Discuss the role of autoantibodies in the disease process as well as the clinical diagnosis.
- ✓ Review the similarities and differences in available autoantibody assays for Grave's, and including TRAb and TSI testing.

Sponsor: Siemens Healthcare Diagnostics

**Session
12**

8:30 - 11:45 am
Intermediate
3 contact hours

**The Changing Face of the WA State Public Health
Laboratories**

- **Ailyn Pérez-Osorio, PhD**
Molecular Epidemiologist
Washington State Department of Health
- **Denny Russell B.S.**
Bioterrorism Coordinator
Bioterrorism/Emergency Response Team
Washington State Department of Health
- **Michael Tran SM(ASCP)^{cm}**
Lead Special Bacteriology Unit
Washington State PHL

This an intermediate level course on the differing roles that the WA State PHL plays at the local, state and federal levels. WA State PHL is a leader in the US Public Health System. Examples include Area Lab, Cross Borders, Newborn Screening, Biotoxins, and HAI Program. Participants will learn how the WA State PHL is creating a regional blueprint for public health diagnostic reference capacity, responding to public health threats (e.g. outbreaks of infectious disease and environmental health concerns), and implementing new technologies for infectious disease surveillance activities. The WAPHL is able to adapt to emerging and re-emerging Public Health Threats such as Ebola, MERS CoV, CRE, and Measles.

Objectives:

- ✓ Describe molecular techniques and new technologies and how they are being used at the WA State PHL, Examples include: MALDI-TOF, Next Gen Sequencing,
- ✓ Discuss examples of how the WA State PHL is able to to adapt to emerging and re-emerging Public Health Threats, Examples include: Ebola, MERS CoV, CRE, and Measles. and
- ✓ Describe how the WA State PHL is a leader in the US Public Health System, Examples include: Area Lab, Cross Borders, Newborn Screening, Biotoxins, HAI Program.

Sponsor: WA State Public Health Laboratories

Don't Forget!

Visit the Exhibits

11:45 AM to 2:15 PM

Get 2.0 contact hours of free P.A.C.E. credits by completing an Exhibits exam.

Thursday, October 15, 2015

Session 13

2:15 - 5:30 pm
Intermediate
3 contact hours

Keep Calm and Carry On

- **Brooke Zimmers, MA**
- **Mimi Harvey PhD**
Shoreline Community College
Shoreline, WA

What happens to your ability to listen when you are really stressed out? Do you approach every conflict situation in the same way? What strategies do you have to help yourself calm down? Have you noticed that the quality of your communication directly impacts the quality of your life?

This dynamic and interactive workshop challenges you to examine your own listening skills under pressure and your conflict management styles. You will leave with practical skills to help you navigate difficult situations when you are stressed. Ultimately the goal is to improve the overall quality of your life.

Objectives:

- ✓ Discuss several mindfulness techniques that will be useful for a stressful work environment,
- ✓ Identify and be able to put into practice nonviolent communication techniques focused on listening, and
- ✓ Discuss informed choices about their approach to conflict given the context.

Session 14

2:15 - 5:30 pm
Intermediate
3 contact hours

Pediatric Acute Leukemia

- **Min Xu, MD, PhD**
Seattle Children's Hospital
Seattle, WA

This session will provide information on the diagnosis of acute lymphoblastic leukemia (ALL) and acute myeloid leukemia (AML). We will discuss the WHO classification of acute leukemia and the utility of different methods, such as morphology, flow cytometry, cytogenetics, and molecular genetics in the diagnosis and prognosis of acute leukemia.

Objectives:

- ✓ Describe WHO classification of acute leukemia,
Describe the utility of different methods in the diagnosis and prognosis of acute leukemia,
and
- ✓ Diagnose most cases of acute leukemia.

**Session
15**

2:15 - 5:30 pm
Intermediate

3 contact hours

Quality and Value Delivery From the Laboratory

- **Ricky Darnell Grisson, II MD, MBA, MPH**

University of Washington
Seattle, WA

Given our national effort on moving towards value-based reimbursement, the clinical laboratory is in a unique position to identify, target and deliver more value to its customers. Focusing on quality as a core element of clinical laboratory training and operations and adopting a cost of quality perspective places labs in the driver-s seat to deliver real health-care cost reductions. In this intermediate level presentation, we will review models, paradigms, tools and strategies for clinical laboratory quality improvement, discuss quality and its costs in the context of the value equation, describe value delivery opportunities from the perspective of the lab and provide examples.

Objectives:

- ✓ Recognize the existence of a value improvement opportunity,
- ✓ Design, implement, assess and improve laboratory work processes, and
- ✓ Categorize and model quality cost improvements.



Handouts

Handouts are only available online at www.asclswa.org. Several weeks before the Seminar, registrants will receive an email from BrenKoch@comcast.net with session confirmations and instructions for accessing the handouts. Be sure to print them and bring them with you to the meeting. No handouts will be available onsite.

**Session
16**

2:15 - 5:30 pm
Intermediate
3 contact hours

**Overview of Anemia: Testing in Clinical and
Laboratory Medicine**

- **Monet N. Sayegh, MD, MS, BSMT(ASCP)SH,CLS**

Siemens Healthcare
Los Angeles, CA

Anemia is a widespread public health problem associated with an increased risk of morbidity and mortality, especially in pregnant women and young children. Women in the childbearing years are particularly susceptible to iron-deficiency anemia because of the blood loss from menstruation and the increased blood supply demands during pregnancy. It is a disease with multiple causes, both nutritional (vitamin and mineral deficiencies) and non-nutritional (infection) that frequently co-occur. It is assumed that one of the most common contributing factors is iron deficiency, and anemia resulting from iron deficiency is considered to be one of the top ten contributors to the global burden of disease. Anemia goes undetected in many people, and symptoms can be minor or vague. The signs and symptoms can be related to the anemia itself, or the underlying cause. Most commonly, people with anemia report non-specific symptoms of a feeling of weakness, or fatigue, general malaise and sometimes poor concentration.

Objectives:

- ✓ Describe the important role of Laboratory testing in addition to history and physical examination in early diagnosis of Anemia especially in pregnant women and children,
- ✓ Describe the pathophysiology in iron absorption, and
- ✓ Describe the differential diagnosis in microcytic and macrocytic anemia including Fe/B12/Folate deficiency Anemia.

**The Role of Biomarkers in the Management of Breast and
Prostate cancer**

Biomarkers play a useful role in the diagnosis and treatment of cancer. The use of PSA, along with a digital rectal exam, can detect prostate cancer as much as 5-10 years earlier than a digital rectal exam alone. However, the current PSA test is limited in both sensitivity and specificity, resulting in both missed cancers and unnecessary biopsies. This seminar discusses the current utility of PSA testing, along with newer methods to improve specificity and sensitivity, including ratio testing with free to total PSA, 3rd Gen PSA and direct detection of the complexed PSA isoform. The role of HER-2/neu in the diagnosis and monitoring of breast cancer is also reviewed, including tests that utilize either tissue or serum samples.

Objectives:

- ✓ Describe the role of tPSA/isoforms in the diagnosis and monitoring of prostate cancer, and
- ✓ Describe the HER2/neu protein in breast cancer and the value of both tissue and serum based HER2/neu tests.
- ✓ Describe the controversy on Breast and Prostate Cancer.

Sponsor: Siemens Healthcare Diagnostics

Friday, October 16, 2015

Session 17

8:30 - 11:45 am
Intermediate
3 contact hours

Laboratory Safety Risk Assessment - Do I Really Have To??!!

- **Steven J. LaCroix MS, CBSP**
- **Vijayasmitha Rayadurg DVM, PhD, CBSP**
WA Dept. of Health, Public Health Lab
Shoreline, WA

This session will provide an overview of steps to perform a risk assessment for your facility to help ensure a safe working environment for your employees and staff. We will walk thru the determination of risk for the laboratory worker utilizing standard biosafety principles and practices, chemical hygiene controls and safe work practices. Tools available and steps to be implemented to mitigate the risk will be discussed. Exercises will be geared to enable you to walk away with some tools that could be implemented in your laboratory.

Objectives:

- ✓ Discuss practical skills for performing a risk assessment in your facility,
- ✓ Describe the risk assessment process, and
- ✓ Discuss the regulatory aspects and benefits of performing a risk assessment.

Sponsor: WA State Public Health Laboratories

Session 18

8:30 - 11:45 am
Intermediate
3 contact hours

Case Studies in Coagulation and Red Cell Disorders

- **Daniel E. Sabath, MD, PhD**
University of Washington School of Medicine
Seattle, WA

In this session, Dr Sabath will present interesting cases in coagulation and red cell disorders. The first half of the session will consist of the presentation of cases of hemoglobinopathies and thalassemias, with an emphasis on the use of laboratory techniques to make diagnoses. The cases will illustrate useful concepts in red cell disorders. The second half of the session will similarly review interesting cases, laboratory techniques for diagnosis, and the basic concepts behind the cases.

Objectives:

- ✓ Describe some of the disease mechanisms causing red cell disorders and coagulopathies,
- ✓ Suggest laboratory tests that are helpful in diagnosing patients with these conditions, and
- ✓ Interpret laboratory data to come up with possible diagnoses.

Friday, October 16, 2015

Session

19

8:30 - 11:45 am
Advanced
3 contact hours

Drug of Abuse Testing

- **Asif R Khan, MD**
Physician Office Laboratory Specialists, Inc and
Northwest Integrated Health
Puyallup, WA

- **David Michaelson, MS**
Director Separation Science and Toxicology
PAML

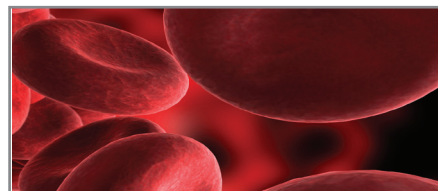
Dr. Asif Khan and Mr. David Michaelson will discuss the prevalence of illicit drug use in the United States and describe testing for commonly encountered drugs. They will discuss new Medicare guidelines and compliance issues with drug testing, and will also review drug detection limits, confirmation cutoffs, drug metabolism, and interpretation of screening and confirmation drug testing.

Objectives:

- ✓ Describe what is drug testing, the types of drug tests, and the indications and interpretation of screening and confirmation testing,
- ✓ Outline Medicare guidelines for drug testing and new CPT codes for drug testing, and
- ✓ Discuss compliance issues in drug testing and common technical issues encountered in drug of abuse testing.

Sponsor: Mindray North America and PAML

- » **Check your schedule.**
- » **Time to visit the Exhibits.**
- » **Lots of great information!**



**Session
20**

Molecular Diagnostics: Transforming the Diagnosis and Treatment of Infectious Diseases

8:30 - 11:45 am
Intermediate
3 contact hours

- **Fred C. Tenover, Ph.D., D(ABMM)**
Cepheid
Sunnyvale, CA

Molecular diagnostic tests, especially those for infectious diseases, can often be performed in less than 1 hour, are easier to use than many traditional microbiologic methods, are more cost effective than slower culture-based methods, and have been shown to improve antibiotic stewardship in hospitals. PCR-based diagnostics have transformed the identification of *Mycobacterium tuberculosis* infections, reducing the time to diagnosis from 4-6 weeks to <2 hours. Molecular diagnostics have also replaced many toxin-based assays for detection of *Clostridium difficile* infections and have been recommended by the Centers for Diseases Control and Prevention over traditional methods. Cost effectiveness studies have shown significant improvements in the diagnosis and treatment of sexually transmitted infections, such as gonorrhoea and chlamydia, and have contributed to decreases in healthcare-associated infections. Molecular diagnostics have become an integral strategy for the diagnosis of many infectious diseases worldwide and have even been used as point of care tests. Thus, understanding the strengths and limitations of these tests is critical for addressing growing concerns about the spread of antimicrobial resistance and the need to control healthcare costs.

Objectives:

- ✓ Describe the basic principles of molecular diagnostics, the patient populations that benefit from rapid test results, and the types of tests available,
- ✓ Describe the advantages and disadvantages of using molecular diagnostics for *Clostridium difficile* infections, and
- ✓ Describe the role of molecular diagnostics for enhancing antimicrobial stewardship programs and for monitoring the spread of antimicrobial resistant bacterial infections.

Sponsor: Cepheid

Schedule Note for Friday
Visit the Exhibits

11:45 AM to 2:15 PM
Last Chance

Get 2.0 contact hours of free P.A.C.E. credits by completing an Exhibits exam.

Friday, October 16, 2015

Session 21

2:15 - 5:30 pm
Intermediate
3 contact hours

Useful Tips for Performing Employee Training and Competencies

- **Steven J. LaCroix MS, CBSP**
DOH Public Health Lab
Shoreline, WA

This session will identify resources and tools available to assist supervisors to perform this needed and often neglected component of employee management. Various strategies will be presented for you to consider and bring back to your workplace.

Objectives:

- ✓ Describe a better idea of various aspects of training plans and competencies,
- ✓ Identify resources and tools to take back to your facility, and
- ✓ Discuss simple to complex training plans and competencies.

Sponsor: DOH Public Health Lab

Session 22

2:15 - 5:30 pm
Intermediate
3 contact hours

Chronic Lymphocytic Leukemia / Small Lymphocytic Lymphoma

- **Kerstin Edlefsen, MD**
University of Washington Medical Center
Seattle, WA

Chronic lymphocytic leukemia/small lymphocytic lymphoma (CLL/SLL) is one of the most common lymphoid malignancies in adults and has one of the strongest heritable components of all malignancies. CLL/SLL is often identified in the clinical laboratory as a part of a peripheral smear review, but the clinical implications of the diagnosis can be very different depending on the clinical scenario. Why do some patient's require therapy while others don't? How can the laboratory help clinicians and patients know which CLL/SLL will require therapy? In addition, some patient's have small abnormal populations, termed 'monoclonal B cell lymphocytosis,' that don't meet diagnostic criteria for CLL/SLL. What is the clinical significance of these populations? Why are they different from CLL/SLL?

Objectives:

- ✓ Describe the epidemiology, diagnosis and treatment of CLL/SLL,
- ✓ Describe important prognostic markers in CLL/SLL and how they are evaluated in the clinical laboratory, and
- ✓ Define monoclonal B cell lymphocytosis (MBL), understand how it differs from CLL/SLL, and understand its clinical significance.

Friday, October 16, 2015

Session 23

2:15 - 5:30 pm
Intermediate
3 contact hours

Urine Culture Collection, the Perfect Specimen, and Hospital Associated Infection Reporting

- **Jeanette Harris BS, MS, MSM, MT(ASCP), CIC**
MultiCare Health System
Enumclaw, WA

Most healthcare workers are in the dark as to how the collection of a urine specimen affects the result of that urine specimen. Add to that, the result of that poorly collected urine specimen is often reported to the public and finally reported to CMS as a hospital acquired infection. High infection rates have a direct impact on reducing hospital reimbursement. Add to that, many patients receive unnecessary antibiotics which can lead to increased bacterial resistance and additional infections by multidrug resistant organisms and *C. difficile*.

This program describes a trial of a total revamping of specimen collection from the supply closets to specimen processing and ending with better specimens, better results, fewer cultures, fewer antibiotics prescribed and money saved by the facility.

Objectives:

- ✓ Describe the chain of events when a less than perfect urine specimen is collected and how this can be avoided,
- ✓ Outline all the steps needed to ensure a perfect specimen, and
- ✓ Discuss the link to hospital reimbursement, hospital associated infections and specimen collection.

Sponsor: BD Life Sciences, Vacutainer Division

Session 24

2:15 - 5:30 pm
Intermediate
3 contact hours

Global Health Experiences in West Africa, Central Africa, Bolivia, and Haiti

- **Lisa Libassi, RN, MN, MPH**
Shoreline Community College
Shoreline, WA

This session is intended for audiences who wish to learn about targeted healthcare outside the United States. The participants will be able to apply their understanding in everyday interactions with patients in United States settings and beyond. The speaker will share her experiences as a nurse in global healthcare settings.

Objectives:

- ✓ Apply increased understanding of cultural factors affecting healthcare in other countries to interactions with international patients utilizing contemporary laboratory services within the United States,
- ✓ Describe 3 differences in physical environments of laboratories found in countries presented today compared with typical laboratories in the United States, and
- ✓ Examine and understand reasons for various laboratory practices in other countries.

Saturday, October 17, 2015

Session 25

8:30 - 11:45 am
Intermediate
3 contact hours

Using Patient Safety Competencies to Improve the Quality of Laboratory Services

- **Catherine Otto, PhD, MBA, MLS(ASCP)**
Shoreline Community College
Shoreline, WA

Incorporating patient safety competencies will help integrate laboratory services with those provided by other healthcare professionals. Adopting patient safety competencies into medical laboratory science practice will improve the quality of laboratory test information. Specific methods to incorporate patient safety competencies into practice will be discussed.

Objectives:

- ✓ Identify patient safety competencies required of healthcare practitioners to improve quality,
- ✓ Describe how improving attention to patient safety can improve laboratory services and patient outcomes, and
- ✓ List specific procedures and methods to improve laboratory patient safety.

Session 26

8:30 - 11:45 am
Intermediate
3 contact hours

Introduction to Transplant Pathology

- **Cecilia Ching Sze Yeung, MD**
- **Teresa Hyun, MD PhD**
- **Dave Myerson MD PhD**
Fred Hutchinson Cancer Research Center
Seattle, WA

In this portion of the session the speakers will describe what transplant pathology is and the major diagnostic concerns in this field, provide information to give a preliminary understanding to graft versus host disease, and introduce infectious diseases in an immunocompromised host. A casual and fun Jeopardy game will round out this portion of the session!

Preanalytical Variables Impacting Molecular Diagnostic Testing

In this portion of the session the speakers will review the basics of molecular biology, examine critical factors which affect the quality of nucleic acids in the tissues and cells which are submitted for downstream molecular diagnostics, and briefly introduce some alternative fixatives and preservatives. In an interactive game where we will go through a virtual surgical pathology lab to identify where contamination can happen.

Objectives:

- ✓ Identify critical factors which affect the quality of nuclei acids in the tissues and cells which are submitted for downstream molecular diagnostics,
- ✓ Suggest alternative fixatives and preservatives for better nucleic acid preservation,
- ✓ Describe what transplant pathology is and the major diagnostic concerns in this field, and
- ✓ List some common infectious diseases seen in an immunocompromised host.

Saturday, October 17, 2015

Session 27

8:30 - 11:45 am
Intermediate
3 contact hours

The Latest and Greatest in Clinical Microbiology: What You Need to Know

- **Siu Kei (Jacky) Chow, PhD**
MultiCare Health System
Tacoma, WA
- **Lori Bourassa, PhD, MPH**
University of Washington
Seattle, WA

The clinical microbiology field is evolving at a rapid pace. Emerging technologies such as MALDI-TOF mass spectrometry, targeted molecular assays and point-of-care testing are changing workflows and increasing efficiency, resulting in dramatic changes to the practice of clinical microbiology and impacts on patient care. The speakers will provide an overview of the latest technologies and practices for the clinical microbiology lab. Additionally, recent highlights from the literature that may impact laboratory function will be reviewed. The short-term outlook and challenges for the field will also be discussed.

Objectives:

- ✓ Discuss updates in clinical microbiology regarding methodology, practice, and regulation, and
- ✓ Discuss the advantages, disadvantages and limitations associated with the new technologies in clinical microbial diagnosis.

Session 28

8:30 - 11:45 am
Intermediate
3 contact hours

Blood Bank Review for Non-Blood Bankers

- **Terese M. Abreu, MA, MLS(ASCP)^{CM}**
Heritage University
Toppenish, WA

This blood banking session is for those of you who haven't stepped foot in a BBK department since getting certified. Learn more than the nurses know and far less than needed to be an SBB in this walk down memory lane with ABO, the King of systems; Rhesus, the grand poo-bah; the naughty Kidds; and Lewis, the blood system wanna be, just to name a few. We will review basic theory and technical information then try our hand at the fun stuff solving antibody ID panels. The review will also touch on some of the newer innovations happening in transfusion medicine today.

Objectives:

- ✓ State the patient indications and contraindications for transfusion of each product,
- ✓ Name the major blood group systems and the antibody characteristics for each system, and
- ✓ Discuss three new technologies in today's blood banking departments.

Sponsor: Heritage University

Saturday, October 17, 2015

Session 29

1:00 - 4:15 pm
Intermediate
3 contact hours

Laboratory: Cytologic Evaluation of Body Fluids

- **Annette Sabath, MD**
Group Health Cooperative
Seattle, WA

The speaker will provide a review of major principles of laboratory body fluids evaluation, including physiology of various body fluids formation and diseases association. There will be an emphasis on cytological evaluation with proper collection, fixation and preparation requirements; review of normal and abnormal cell components of body fluids, and expanded cytomorphological rules and patterns to tell benign from malignant cells and their mimickers.

Objectives:

- ✓ Describe the basic physiology of body fluids formation and discuss the association of major diseases with abnormal body fluid formation,
- ✓ Identify appropriate methods for body fluid collection and requirements for body fluids processing in the laboratory for cytological evaluation, and identify normal cells in various body fluids, and
- ✓ Discuss the major principles and approach to cytomorphological evaluation of cells to tell benign from malignant.

Session 30

1:00 - 4:15 pm
Intermediate
3 contact hours

To Phlebotomy and Beyond....The Changing Roles in the Medical Laboratory Sciences!

- **Erika Ferreri, MAED, BSBM, CPT, CPI**
Edmonds Community College
Lynnwood, WA

This session will explore the changing roles of laboratory support services, from Phlebotomy, to Clinical Lab Assistants, and then up to Medical Scientists. The speaker will review the entry level position opportunities in healthcare, in general, as well as specifically for the clinical laboratory. Are there more opportunities now for the phlebotomist and the lab assistant than in previous years? The speaker will explain the career ladder possibilities for advancement from phlebotomist to lab assistant, to Medical Laboratory Technician and Scientist.

Objectives:

- ✓ Identify entry level opportunities in healthcare,
- ✓ Discuss recent changes in the position as a phlebotomist and lab assistant, and
- ✓ Explain the career ladder and possibility for advancement within the field of lab sciences.

**Session
31**

1:00 - 4:15 pm
Intermediate
3 contact hours

Antimicrobial Susceptibility Testing Challenges and Update

- **Punam Verma, PhD, D(ABMM), MT(ASCP)**

Virginia Mason Medical Center
Seattle, WA

This session will focus on emerging resistance mechanisms, their detection and clinical implications. We will also include a review of the latest CLSI AST/reporting recommendations.

Objectives:

- ✓ Identify the major changes found in the new CLSI standards for antimicrobial susceptibility testing,
- ✓ Describe the new strategies for the detection of antimicrobial resistance, and
- ✓ Describe the importance of accurate reporting of MDROs and the role of the clinical microbiology laboratory in antimicrobial stewardship.

I really value exchanging information with those who attend seminars from all over the region and also appreciated the real spectrum of attendees - from students in the local Medical Technology program just getting started, to people who have been in the field for years and are looking for new ideas for their laboratories and/or to brush up on their skills, to a laboratorian developing next-generation diagnostic methods at a local biotechnology company.

.....Lisa (McDonnel) Klingler.....



Comments from past seminar attendees

Knowledgeable, interactive, fun, good speakers, takes lots of questions. Enjoyed and learned a lot.

Really enjoyed this. Love the enthusiasm and passion for the topic. Very interesting and exciting.

Great speakers, lots of new info. Updates. These are the kinds of speakers we need. They explain current and new information. Speaker provided many helpful examples.

SPONSORS



The 2015 Northwest Medical Laboratory Symposium would like to extend its sincere thanks for the following companies and organizations for their support.

Alere, Inc.

ARUP Laboratories

BD Life Sciences, Vacutainer Division

Bloodworks Northwest

Cepheid

Heritage University

Instrumentation Laboratory

Mindray North America

PAML

Siemens Healthcare Diagnostics

The Binding Site, Inc.

WA Public Health Laboratories

EXHIBITORS & EXHIBIT HALL INFORMATION

The leading manufacturers and distributors will once again gather in the Exhibit Hall at the Columbia Conference Center to display their wares. This will be the 32nd year they have participated in the Northwest Medical Laboratory Symposium to provide access for Clinical Laboratorians to the newest products and to demonstrate the ability for aiding in the diagnosis and health care of the public. In addition, Siemens Healthcare Diagnostics will be bringing their demonstration van to display their larger pieces of equipment.

The vendors and their representatives are an integral part of our meeting and provide sponsorship for the continuing education sessions and other activities during this meeting. It is with the help and support from the laboratory supply companies that a volunteer group of individuals from the professional societies are able to arrange this Symposium.

As laboratory professionals, you do not have to register for the Symposium in order to view the displays in the Exhibit Hall. When you come to the Exhibit Hall, sign in on the log sheets and pick up a name badge and join the Committee in thanking the vendors for their support. The following companies have registered for space. For the latest information, please visit the vendor websites. Links may be found at www.asclswa.org/NWMLS, click on "Exhibits".

Abbott Laboratories	McKesson
Alere	MediaLab, Inc.
ARKRAY	Mindray North America
AUDIT MicroControls	MTMC
BD Life Sciences, Vacutainer Division	Nova Biomedical
Beckman Coulter	Olympus Scientific Solutions Americas
Cepheid	Quidel
Delivery Express, Inc.	Radiometer America
Diagnostica Stago	Response Biomedical Corp
Diasorin, Inc	Roche Diagnostics
Fisher Healthcare	Samaritan Health Services
Focus Diagnostics	Sebia, Inc.
General Water Technologies	Siemens Healthcare Diagnostics
Global Focus Marketing & Distribution	Sysmex
Greiner Bio One	The Binding Site
Hardy Diagnostics	ThermoFisher Scientific
Helmer Scientific	ThermoFisher Scientific - Phadia
Hemosure, Inc	Tosoh Bioscience, Inc.
Inova Diagnostics	University of Washington
Instrumentation Laboratory	Verbatim Americas
LABSCO	

EXHIBIT HOURS

Wednesday, October 14	Exhibit Opening	11:45 AM – 2:15 PM
Thursday, October 15		11:45 AM – 2:15 PM
Friday, October 16	Exhibit Closing	11:45 AM – 2:15 PM

EXHIBITOR PRODUCT LIST

List is updated as more companies sign up to exhibit. Check the website, www.asclswa.org/Exhibits2015.html.
For Exhibit Information contact Brenda Kochis, Email: BrenKoch@comcast.net

Abbott Laboratories	
Alere, Inc.	Alere i Molecular Influenza and Strep A
ARKRAY	AUTION HYBRID AU-4050
AUDIT MicroControls	Linearity FD General Chemistry for Roche Systems Linearity LQ Ammonia/Ethanol for Roche Systems Linearity FD Lipids for Roche Systems Linearity FD Bilirubin for Roche Systems
Beckman Coulter	Demo Van
Cepheid	
Delivery Express, Inc.	Warehousing, fulfillment, courier, delivery service, driver coverage, inner office mail delivery.
Diagnostica Stago	Anti-XA Assay, Satellite Analyzer, Compact MAX
DiaSorin, Inc.	1,25 Dihydroxyvitamin D
Focus Diagnostics	
Global Focus Marketing and Distribution	
Greiner Bio One	Low Volume Tubes
Hardy Diagnostics	Hardy Chrom Plated Media, Strep B Carrot Broth, AnaeroGRO, TransPro Transport System
Helmer Scientific	
Hemosure, Inc.	iFOB, FIT
Inova Diagnostics	NOVA View, automated digital IFA analysis, BIO-FLASH, Rapid-Response Chemiluminescent Analyzer for Autoimmunity, QUANTA-Lyser, Automated EIA/IFA Analyzer Platform, QUANTA Link, Workflow Management Made Easy
Instrumentation Laboratory	

EXHIBITOR PRODUCT LIST

List is updated as more companies sign up to exhibit. Check the website, www.asclswa.org/Exhibits2015.html.
 For Exhibit Information contact Brenda Kochis, Email: BrenKoch@comcast.net

LABSCO	BioFire Filmarray PCR Molecular System Siemens Chemistry/Immunossay/Coagulation Sysmex Hematology Hettich Centrifuges
McKesson	
MediaLab, Inc.	InspectionProof - make sure your laboratory is ready for an onsite inspection and conduct self inspections online
Mindray North America	BS200, BS480, BC3600
MTMC	UVC Decontamination, Blood Letting Sets & Lancets, Coagulation: New CLIA-waived Clot Detection System, Lipid, A1C, & Cotinine
Nova Biomedical	Prime Blood Gas Analyzer
Olympus Scientific Solutions Americas	BX43, DP22 Microscopes
Quidel	AmpliVue Bordetella, AmpliVue HSV 1+2, Sofia Strep A+, Sofia Influenzae A&B
Radiometer America	AQUIRE
Response Biomedical Corp	RAMP® 200 high throughput multi-port analyzer RAMP® Reader fully portable, lightweight reader Response Cardiovascular current test menu: Troponin I, NT-proBNP, CK-MB and Myoglobin http://responsebio.com/cardiovascular

EXHIBITOR PRODUCT LIST

List is updated as more companies sign up to exhibit. Check the website, www.asclswa.org/Exhibits2015.html.
For Exhibit Information contact Brenda Kochis, Email: BrenKoch@comcast.net

Roche Diagnostics	
Samaritan Health Services	For employment opportunities please visit our website at: http://www.sam-health.org/employment/employmentopportunities/openings
Sebia, Inc	HbA1c by Capillary Separation MniCap Instrument System
Siemens Healthcare Diagnostics	New Advia560/360 Hematology Systems for smaller volume laboratories New CliniTek Novus Automated Urinalysis System New AUWi Pro Automated Urinalysis with Microscopic New Combo HIV panel on the Centaur Immunoassay analyzer New Treponemal Syphilis on the Centaur Immunoassay analyzer
Sysmex America, Inc	Hematology Products
The Binding Site	
ThermoFisher Scientific	
ThermoFisher Scientific Phadia	EliA; P250; ImmunoCAP; P1000
Tosoh Bioscience, Inc.	
University of Washington	
Verbatim Americas	Pathfast Cardiac Marker Analyzer

Registration General Information

To Register by Mail:

Complete the registration form and mail the registration form and check payable to **NWMLS** to:

2015 Northwest Medical Laboratory Symposium

Brenda Kochis

44 West 26th Avenue

Spokane, WA 99203-1818

If questions:

Contact: BrenKoch@comcast.net (email contact is preferred)

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

Registration mail postmark by date: September 14, 2015 This assures that your form will be delivered in time for us to provide you with the handout access information.

To Register Online:

Go to www.asclswa.org and click on the **NWMLS** tab then click on **Registration**. 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 5, 2015** to receive lunch if eligible.
- **Lunch** is provided for those that register for two sessions on the same day. Lunch is not provided for those that register for one session a day or for those that register onsite.
- **Handouts** for all sessions will only be available online. Registrants will be sent the web address, user-name and password to access the handouts. Please print your email address clearly.
- **All sessions** are approved for P.A.C.E. and AMTrax credits.
- **Hotel reservations:** See the website for more detailed information. Please call the hotel for reservations or register online. Mention “Northwest Medical Laboratory Symposium” to get the rates. Rates will be available until October 3, 2015 after which it will revert to standard hotel rates. See page 6 for more information.
- **No “NWMLS” Registration refunds** will be issued.
- **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 tab: NWMLS.

Special Member Registration Rates

Any person currently a member in good standing of the following organizations can qualify for special member registration rates for the meeting:

- AABB (American Association of Blood Banks)
- AACC (American Association for Clinical Chemistry)
- ASC (American Society of Cytology)
- ASCP (American Society of Clinical Pathologists)
Laboratory Professional Membership Category

NOTE: Certification only through ASCP

does NOT qualify you for “Special Member” rates.

- ASCT (American Society for Cytotechnology)
- ASH (American Society of Hematology)
- ASM (American Society of Microbiology)
- CLMA (Clinical Laboratory Management Association)

Registration Form

2015 Northwest Medical Laboratory Symposium
 October 14 - 17, 2015
 Lynnwood, WA

*Online registration and credit card payment is available at
www.asclswa.org/NWMLS.html
 or
 Mail this form with a check by September 14, 2015 to ensure adequate time for processing.*

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 14	AM	1	2	3	4
	PM	5	6	7	8
Thursday, Oct 15	AM	9	10	11	12
	PM	13	14	15	16
Friday, Oct 16	AM	17	18	19	20
	PM	21	22	23	24
Saturday, Oct 17	AM	25	26	27	28
	PM	29	30	31	

Category	# Sessions	Fee/session	Total Fee
ASCLS/AMT Professional/Technical		\$55.00	\$
ASCLS # _____ AMT # _____			
Special Member		\$70.00	\$
___AABB ___AACC ___ASC ___ASCT ___CLMA ___ASM ___ASH ___ASCP Member number _____			
Non-Member		\$85.00	\$
Phlebotomist		\$35.00	\$
Student		\$25.00	\$
Total Fee			\$

Mail with check to
2015 NWMLS
 Brenda Kochis
 44 West 26th Avenue
 Spokane, WA 99203-1818

Full payment in U.S. Dollars must accompany each mailed-in registration. Make check payable to **NWMLS**.
 Mail by September 14, 2015 to assure timely arrival.

OR

Online registration with credit card payment is available at
www.asclswa.org/NWMLS.html.

Registration Fee Categories

Fees are listed for each attendance category. The list below defines those categories.

Attendance Categories

Member: Any person who is a current member in good standing of the American Society for Clinical Laboratory Science (ASCLS) or the American Medical Technologists (AMT). Please list your membership number in the appropriate space on the registration form. New members are eligible for member rates. To join please see the information on the website: www.asclswa.org.

Special Member:

Any person currently a member in good standing of the following organizations:

- AABB (American Association of Blood Banks)

- AACC (American Association for Clinical Chemistry)

- ASC (American Society of Cytology)

- ASCP (American Society of Clinical Pathologists)
Laboratory Professional Membership Category
NOTE: Certification through ASCP only does NOT qualify you for
“Special Member” rates.

- ASCT (American Society for Cytotechnology)

- ASH (American Society of Hematology)

- ASM (American Society of Microbiology)

- CLMA (Clinical Laboratory Management Association)

Student: A student is defined as any person who is engaged at least half-time in a recognized program leading to either an associate’s or bachelor’s degree in a clinical laboratory science or one who is in a recognized Clinical Laboratory Internship program.

Phlebotomist: A phlebotomist is defined as any person whose primary responsibility is phlebotomy. Medical Assistants and AMT’s RMA are eligible for Phlebotomist fees.

Special Notes

General Information

Casual dress is appropriate for all sessions. There will be no smoking in any of the sessions.

Cell phones must be turned off during the sessions.

Your name badge is required for admission to all sessions and to the Exhibit Hall. Please wear your name badge at all times.

Meeting Room Assignments

The session room assignments will be printed on the session sheet in your registration packet. A floor plan will be available at the registration desk.

Message Center

A message board will be maintained at the registration desk for Emergency messages. The phone number Lynnwood Convention Center is 425-775-7600.

Hospitality

In keeping with tradition, all exhibitors will participate in combined hospitality functions in the Exhibit Hall. **There will be no individual hospitality suites.**

Updates

Updates will be posted on the website at www.asclswa.org/NWMLS

Please check for session updates and or cancellation information.

P.A.C.E.®

P.A.C.E.® credits have been approved for all appropriate sessions.

ASCLS-WA is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® program. ASCLS-WA will use CE Organizer for documentation of continuing education credits. Please make note of the P.A.C.E.® number and of the session number that will be given to attendees in each session after the session break. Without this information, the attendee will not be able to obtain their electronic certificate.

Handouts ONLY Available On-line

To keep registration rates as low as possible, the Northwest Medical Laboratory Symposium will no longer provide copies of the session handouts on-site at the meeting. Session handouts will be available for download at the ASCLS-WA website (<http://www.asclswa.org>). Click on the "NWMLS" tab. Remember to print copies of the handouts for the sessions for which you registered and bring them to the meeting with you. **No handouts will be provided onsite.** If you are having problems downloading the handout, please contact Brenda Kochis, BrenKoch@comcast.net.

Handouts for the sessions will be available on the ASCLS-WA website approximately 2 weeks prior to the meeting in a password protected area. You will receive the "password" and instructions on how to print the handouts approximately 2 weeks before the meeting. The email will be from BrenKoch@comcast.net, so watch for it. Register early so that you can print the handout material for your sessions. Handouts will NOT be provided for those that register onsite. If you plan to register onsite, please contact Brenda Kochis at BrenKoch@comcast.net for information regarding handout access.