

2010 Northwest Medical Laboratory Symposium



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

Holiday Inn
Portland Airport
Portland, OR
October 13 - 16, 2010

Make Portland Your Next Stop For Advancing Your Profession 2010 Northwest Medical Laboratory Symposium

A Career in the field of Clinical Laboratory Sciences is an ever changing one. To be ready for that next change in your laboratory or advancement as a professional you will need to be proficient with countless skills. As in the past, the 2010 Northwest Medical Laboratory Symposium Committee has worked hard to present a diverse collection of scientific sessions for you to choose from over the four day symposium. On behalf of the NWMLS committee composed of laboratorians from the northwest, the American Society for Clinical Laboratory Science (ASCLS) and American Medical Technologists (AMT) invites you to join us in Portland, Oregon, October 13-16, 2010.

We are a vital member of the healthcare team. In order to be a viable, competent, employable professional in the laboratory today, we must continue to expand our knowledge of the cutting edge technology and new testing available. Only by staying current through education seminars will you maintain that expertise and continue to be an integral employee in your facility. The NWMLS has traditionally offered a variety of topics to meet everyone's needs and the best opportunity to obtain the continuing education credits required to maintain certifications.

In addition to the seminars with speakers from across the country, you will have time to network with fellow laboratory professionals. The opportunity to discuss the daily challenges we face with a colleague can be reassuring and rewarding when a unique solution is discovered.

The exhibit hall is not to be missed. The Northwest Medical Laboratory Symposium takes pride in presenting the largest vendor show in the northwest. Use the time allotted to visit every vendor booth. See the new products and instruments available. Visit with the industry representatives outside the confines of the laboratory. Ask them the questions you don't have to ask while at work. Thank each of them for supporting the NWMLS. As the laboratorian is an integral part of the healthcare team, the vendors are a vital element of the annual NWMLS.

The Holiday Inn Portland Airport is located less than two (2) miles from the Portland International Airport and just minutes away from Cascade Station, for some of Portland's great shopping and dining. There is a complimentary shuttle to and from the airport.

Come join us at the Holiday Inn Portland Airport, Portland, Oregon, October 13th-16th for the 2010 Northwest Medical Laboratory Symposium. Stop, listen, network, learn, advance your profession.

Mary Lashinski
Director, ASCLS Region IX

Kenneth Hawker
AMT Western District Councilor

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***The 2010 Northwest Medical Laboratory
Symposium Program and registration form
are available on the Internet at the following
URL***

www.asclswa.org

***Updates and other information will be
provided through this site.***

NWMLS Committee

General Chair	Molly Morse Marilyn Albertsen
Program	Marilyn Albertsen (Chair) Helen Wand Teresa McGivern Terry Crandall Clifford Colvin Roxanne Erskine
Exhibits	Brenda Kochis Donna Reinbold
Registration	Edna Anderson (Chair) Audrienne Whitley Ana Sacramento Dee Uerlings
Program Design	Brenda Kochis
Finance	Mary Helen Carroll Jennifer Carlson
A/V	Helen Wand Jennifer Carlston
Moderators	Kelly Morse
P.A.C.E.	Joan Pankonin
AMTIE	Louise Isbel
Hospitality	Lisa Countryman-Jones
Sponsors	Molly Morse Audrienne Whitley
Webmaster	Brenda Kochis

ASCLS - Region IX

Regional Director Mary Lashinski

Region IX Forum Friday, October 15, 2010
6:30 - 7:30 PM

ASCLS-OR

President	Sarah Erhardt
President Elect	Open
Secretary	Open
Treasurer	Krista Moore
Past President	Brenda Lawing

ASCLS-OR Board Meeting

Friday, October 15, 2010 Follows Region IX Forum

ASCLS-Washington

President	Donna Reinbold
President Elect	Marianne Strnad
Secretary	Sue Seegers
Treasurer	Mike Gaulke
Past President	Molly Morse

ASCLS-WA Board Meeting

Friday, October 15, 2010 Follows Region IX Forum

CLSA

President	Jill Jefson
President Elect	Pam Jett
Past President	Shellie Smith

Western District of American Medical Technologists Officers and Business Meetings

Western District Councillor Kenneth Hawker, MT(AMT)

OSSAMT

President	Marilyn Albertsen
President Elect	Doug Fisher
Secretary	Audrienne Whitley
Treasurer	Clifford Colvin

Friday, October 15, 2010

OSSAMT Board Meeting 6:30 - 7:30 AM

OSSAMT Business Meeting 6:30 PM

NWSSAMT

President	Jo Abraham
Vice President	C. Ron Cato
Secretary	Susanna Hancock
Treasurer	James Grettner

NWSSAMT Board Meeting and Business Meeting

Friday, October 15, 2010 6:30 PM

General Information

Registration Hours

Wednesday	7:30 AM - 8:30 AM 3:00 PM - 3:30 PM
Thursday	7:30 AM - 8:30 AM 3:00 PM - 3:30 PM
Friday	7:30 AM - 8:30 AM 2:00 PM - 2:30 PM
Saturday	7:30 AM - 8:30 AM 12:30 PM - 1:00 PM

Coffee Breaks

Thirty minutes each

Wednesday	10:00 AM - 10:30 AM 5:00 PM - 5:30 PM
Thursday	10:00 AM - 10:30 AM 5:00 PM - 5:30 PM
Friday	10:00 AM - 10:30 AM 4:00 PM - 4:30 PM
Saturday	10:00 AM - 10:30 AM 2:30 PM - 3:00 PM
Exhibit Hours	
Wednesday	11:30 AM - 3:30 PM
Thursday	11:30 AM - 3:30 PM
Friday	11:30 AM - 2:30 PM

Lunch

Wednesday	12:00 - 1:00 PM
Thursday	12:00 - 1:00 PM
Friday	12:00 - 1:00 PM
Saturday	12:00 - 1:00 PM

Note: Lunch is provided only with full-day pre-registrations. Either an all-day session or two half-day sessions on the same day constitute a full-day registration. **Lunch is not provided with half-day registrations, or with on-site registrations.** A full-day is a morning and afternoon session on the same day only.

Session Times

Wednesday	8:30 AM - 12:00 PM 3:30 PM - 7:00 PM
Thursday	8:30 AM - 12:00 PM 3:30 PM - 7:00 PM
Friday	8:30 AM - 12:00 PM 2:30 PM - 6:00 PM
Saturday	8:30 AM - 12:00 PM 1:00 PM - 4:30 PM

Session Accreditations

P.A.C.E.® and AMTIE credits have been approved for all appropriate sessions. ASCLS-OR is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® program. ASCLS-OR will be using 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.

Be prepared to list your social security number for the AMTIE rosters. OSSAMT is the approved provider for AMTIE CECs and insures that these educational presentations confirm to standards established by AMTIE.

HOLIDAY INN PORTLAND AIRPORT

8439 NE Columbia Blvd, Portland, OR (503) 256-5000

NORTHWEST MEDICAL LABORATORY SYMPOSIUM OCTOBER 13 - 16, 2010

To reserve your room at the convention rate, please call for a reservation no later than September 21, 2010. Reservations received after September 21 are subject to availability at the standard rates, rather than the discount rate. If the group block is sold out upon receipt of your reservation, the reservations office will contact you and assist you in securing a reservation at the nearest available hotel. Should the guest room block be filled prior to the cut-off date, any additional room requests will be subject to availability and rate change.

In order to guarantee your reservation beyond 6 PM on the date of arrival, your reservation must be accompanied by first night's advanced deposit or a major credit card number. Please call the hotel at 503-256-5000 and state that you are with the Northwest Medical Laboratory Symposium to obtain the room rate given.

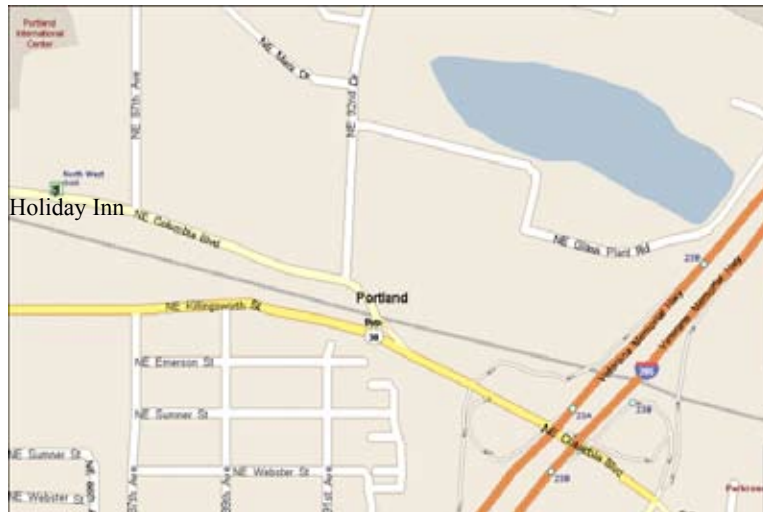
Room Rates:

_____	Single/Double Occupancy	\$ 92.00
_____	Triple/Quad Occupancy	\$ 102.00

Guest Room rates are subject to a 12.5% occupancy rate.

Check-in time is 3:00 PM and check-out time is 12:00 noon.

HOLIDAY INN PORTLAND AIRPORT



From the South:

Take I-5 North to I-84 East to I-205 North (Portland Airport/Seattle exit 8) to Exit 23B (US 30 West By Pass/ Columbia Blvd). Turn right at the end of the exit, stay in the right lane. Just before the second traffic light turn right onto NE Columbia Blvd.

From South of Wilsonville:

Take I-5 North to I-205 North to Exit 23B (US30 West By Pass/Columbia Blvd.). Turn right at the end of the exit; stay in the right lane. Just before the second traffic light turn right onto NE Columbia Blvd.

From the North:

Take I-5 South to I-84 East to I-205 North (Portland Airport/Seattle exit) to Exit 23B (US 30 West By Pass/ Columbia Blvd.) Turn right at the end of the exit; stay in the right lane. Just before the second traffic light turn right onto NE Columbia Blvd.

From North of Vancouver, WA:

Take I-5 South to I-205 South to Exit 23B (US 30 West By Pass/Columbia Blvd.) Turn right at the end of the exit. Just before the traffic light turn right onto NE Columbia Blvd.

From the West:

Take US 26 East to I-84 East to I-205 North (Portland Airport/Seattle exit) to Exit 23B (US 30 West By Pass/ Columbia Blvd.) Turn right at the end of the exit; stay in the right lane. Just before the second traffic light turn right onto NE Columbia Blvd.

From the East:

Take I-84 West to Exit 9 (Seattle/Portland Airport) to I-205 North to Exit 23B (US 30 West By Pass/Columbia Blvd.) Turn right at the end of the exit; stay in the right lane. Just before the second traffic light turn right onto NE Columbia Blvd.

Airport Shuttle

The Holiday Inn Portland Airport provides complimentary airport shuttle service 24 hours a day, on demand. In the Baggage Claim area, call the hotel. Then walk from the Baggage Claim outside to Area 4 where the shuttle should arrive in 10 to 15 minutes after your call.

Session # 1

8:30 AM - 12:00 PM
3 Contact Hours
Advanced

Vitamin D - Why Does My Lab Get So Many Requests?

Many laboratories have seen a dramatic increase in requests for vitamin D levels. Recently there have been many studies published demonstrating an association between vitamin D levels and various disease states. The session will begin with a review of the physiologic role of vitamin D and will then look at its relationship to various disease states in an effort to explain this increased interest. Analytical aspects of vitamin D testing will also be discussed.

At the end of this session, participants will be able to:

- ✓ Explain the role of vitamin D in the body,
- ✓ Discuss the relationship of vitamin D to various disease states, and
- ✓ Describe the current recommendations for vitamin D intake and desirable serum levels.

VERNON L MUSTOE, PhD

Scientific Affairs Manager
Beckman Coulter, Inc
Brea, CA

Flow Cytometry: Making Sense Out of all the Fluorescence

This session will help introduce some of the basics of Flow Cytometry to our laboratory professionals by covering general design of flow cytometers, basic immunology, and phenotypes of various neoplasms. We will also explore how cytometers are used to help evaluate other diseases and therapies.

At the end of this session, participants will be able to:

- ✓ Describe the basic design of a flow cytometer,
- ✓ Describe how to distinguish normal from abnormal in flow cytometry, and
- ✓ Describe how to distinguish between basic lymphomas and leukemias.

DAVE OSBORN, MT(ASCP)

Senior Cytometry Account Manager
Beckman Coulter, Inc
Brea, CA

Medical Mysteries...Using Hematology Instrument Data to Troubleshoot

After a brief review of normal vs abnormal histograms and differentials, we will utilize several case studies to apply this knowledge and show how to use this information to troubleshoot both instrument problems and unusual patient results.

At the end of this session, participants will be able to:

- ✓ Review instrument technology in order to distinguish normal vs abnormal,
- ✓ Apply this technological information to a number of cases, and
- ✓ Solve the case.

KATHY ALTIG, MT(ASCP)

Beckman Coulter, Inc
West Linn, OR

Sponsored by Beckman Coulter

Wednesday, October 13, 2010

Session # 2

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Clinical Research: Emerging Careers for Laboratory Personnel

This session will describe how modern research developed along with a brief history of how we got from “there” to “here”, including some of the ethical issues that mandated federal regulation from 17 different sources. The role of a clinical Research Coordinator will be discussed, with an overview of duties, compared to the duties of laboratory personnel. The profession of Research Coordinator is now in demand.

At the end of this session, participants will be able to:

- ✓ Discuss history and ethics of clinical trials,
- ✓ Define clinical research and other research terms, and
- ✓ Provide an overview of duties, skill sets, and regulations of a Research Coordinator and how a Laboratorian can get there.

CHRISTINE GRANT, CCRP, MS, BS

Adjunct Instructor, Clinical Laboratory Assistant Program
Clackamas Community College
Milwaukie, Oregon

Session # 3

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Update on Antibiotic Resistance – What Have We Learned from Implementing New CLSI Guidelines?

In January 2010 CLSI announced the results of a five year re-evaluation of breakpoints for Enterobacteriaceae vs cephalosporin and carbapenem antibiotics. In all cases breakpoints were lowered to reflect a new paradigm of antibiotic susceptibility testing: that clinical outcomes correlate better with MICs than with the theoretical knowledge of resistance mechanisms. Clinical microbiology laboratories throughout the country struggled with questions whether and how to implement revised breakpoints. This session describes what we have learned from the process.

At the end of this session, participants will be able to:

- ✓ Describe why and how the CLSI changes antibiotic breakpoints,
- ✓ Discuss the challenges with which clinical laboratories were faced at the beginning of 2010, and
- ✓ Implement new CLSI guidelines based on experiences of other laboratories.

MARGARET OETHINGER, MD, PHD, D(ABP-MM)

Director, Regional Clinical Microbiology and Molecular Pathology
Providence Portland Medical Center
Portland, OR

Wednesday, October 13, 2010

Session # 4

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Red Cells in Health and Disease

This session will review red cell morphology and the clinical significance of morphologic variations. Different approaches to the classification of anemias will be reviewed as well as an update on the evolving understanding of iron metabolism.

At the end of this session, participants will be able to:

- ✓ Identify significant microscopic red cell abnormalities,
- ✓ Evaluate red cell abnormalities in terms of differential diagnoses, and
- ✓ Describe iron metabolism as it relates to diseases, including anemia and hemochromatosis

MICHAEL SUTER, MT(ASCP)SH

Hematology Technical Specialist
PeaceHealth Laboratories
Springfield, OR

Sponsored by PeaceHealth Laboratories

Don't Forget!
Visit the Exhibits
11:30 AM to 3:30 PM

Session # 5

3:30 - 7:00 PM
3 Contact Hours
Intermediate

Osteoporosis Update – Fundamental Processes in Bone Physiology

This presentation discusses the dynamics of bone metabolism and the clinical consequences if this process is disturbed. The risk factors for osteoporosis will be discussed along with tools for diagnosis and management of the disease. The role of the parathyroid hormone (PTH) in maintaining calcium homeostasis will be explained in addition to its use in intra-operative testing.

At the end of this session, participants will be able to:

- ✓ Discuss the physiological and biochemical elements involved in the process of bone remodeling,
- ✓ Explain the risk factors, consequences, diagnosis and management of osteoporosis,
- ✓ Explain the laboratory utilization of bone markers for assessing bone resorption and formation, and
- ✓ Explain the use of intra-operative PTH testing in the management of disease.

VERNON L MUSTOE, PhD

Scientific Affairs Manager
Beckman Coulter, Inc
Brea, CA

Prostate Cancer Screening Today - Do We Need Better Markers?

Total PSA and Free PSA are two of the most widely used markers to identify and manage men with prostate cancer. Free PSA used in conjunction with total PSA improves specificity for PCa and helps reduce the number of unnecessary biopsies. Recently, some experts have claimed that we have exhausted the clinical utility of these two markers and have stressed the need for better markers. Various promising new markers will be discussed along with their potential clinical use.

At the end of this session, participants will be able to:

- ✓ Describe the traditional use of PSA and free PSA for the diagnosis of prostate cancer,
- ✓ Discuss the unmet clinical needs for PCa detection, and
- ✓ Discuss various promising new markers that may help address some of these unmet clinical needs.

VERNON L MUSTOE, PhD

Scientific Affairs Manager
Beckman Coulter, Inc
Brea, CA

Sponsored by Beckman Coulter

Session # 6

3:30 - 7:00 PM
3 Contact Hours
Intermediate

Violence in the Workplace and Motivating and Engaging Employees

In this session we will develop rapport skills to reduce anxiety and assess body language, tools that help to diffuse Violence in the Workplace. We will cover techniques for reading body language, when to call for help, and how to use rapport skills to better manage verbal communications.

The second portion of this session will provide concepts to increase motivation of employees with effective feedback and to reduce conflict in the workplace. We will describe an inquiry-based approach that increases employee engagement and reduces the potential for conflict in the workplace.

At the end of this session, participants will be able to:

- ✓ Discuss techniques for reading body language and when to call for help,
- ✓ Discuss how to use rapport skills to better manage verbal communications,
- ✓ Identify and apply the top three employee motivators, and
- ✓ Explain how to increase employee motivation and engagement by providing effective supportive and corrective feedback.

JOHN REID

President of Incident Knowledge Resources (IKR)
Portland, OR

Tory Visser, MSW

Human Resources Consultant
LabCorp
Seattle, WA

Sponsored by PALCOE

Session # 7

3:30 - 7:00 PM
3 Contact Hours
Intermediate

Pharmacogenomics of Warfarin

Assessing an individual's metabolic capacity to the anticoagulant warfarin has been suggested for all patients taking the drug. We will discuss what pharmacogenomics is, its possible role in warfarin testing administration, and the shortcomings of pharmacogenomic testing.

At the end of this session, participants will be able to:

- ✓ Define pharmacogenomics and explain the various metabolic phenotypes,
- ✓ List the two enzymes responsible for warfarin metabolism, and
- ✓ Compare and contrast PGX testing with empirical INR monitoring.

KEVIN FOLEY, PhD, DABCC, MT, SC

Director of Chemistry and Toxicology
Kaiser Permanente
Portland, OR

A1c: Utility, Standardization, Current Methods of Analysis and Their Limitations

This session will provide a description of A1c Pathobiology. The participants will become aware of current recommendations for the use of A1c and become familiar with the standardization efforts around A1c analysis. Some of the more common methods for A1c analysis in the clinical lab will be discussed in addition to the advantages and the limitations to these methods.

At the end of this session, participants will be able to:

- ✓ Evaluate the correlation between mean blood-glucose and A1c values,
- ✓ Examine some of the common lab methods for A1c and understand their limitations and advantages, and
- ✓ Describe the recent developments of A1c in the diagnosis of diabetes.

ROSS MOLINARO, PhD, MLS(ASCP), DABCC, FACB

Assistant Professor, Pathology and Lab Medicine
Medical Director, Core Laboratory
Emory University Hospital Midtown
Co-Director, Emory Clinical Transnational Research Lab
Atlanta, GA

Hemoglobin A₂ Testing and Diagnosis of Hemoglobinopathies

Thalassemia and Sickle Cell disorders are commonly present where malaria was traditionally endemic. Global population migration is contributing to significant changes in its epidemiology. As a result, hemoglobin disorders are likely to become the leading recessive disorders in Western Countries. Clinical laboratories are experiencing a marked increase in hemoglobinopathy testing. Hemoglobin A₂ testing has a relevant role in the diagnosis of B-thalassemia. When coupled with hemoglobin variants detection, it can also be used to assess hemoglobin disorders. Accurate measurement of HbA₂, reliable detection of Hb variants, and a clear understanding of the genetic implications and common interactions, are important factors for a correct diagnosis of hemoglobinopathies.

At the end of this session, participants will be able to:

- ✓ Analyze hemoglobinopathy detection and related laboratory findings,
- ✓ Evaluate %HbA₂ modifications related to different phenotypes, and
- ✓ Discuss common interactions between thalassemia and other hemoglobinopathies.

MARCO FLAMINI

Senior Product Manager, Hemoglobinopathy
Bio-Rad Laboratories
Hercules, CA

Sponsored by Bio-Rad Laboratories

New Laboratory Parameters to Manage Pre-operative Anemia

Iron Deficiency anemia is one of the most prevalent types of anemia today. Patients that are iron deficient before they go to surgery tend to have increased transfusion needs and a higher prevalence of complications. Learn about simple laboratory tests that can guide the identification and treatment of the iron deficient patient before surgery.

At the end of this session, participants will be able to:

- ✓ Describe historical pre-operative testing and surgical outcomes of patients with anemia,
- ✓ Identify current and new hematology tests that can help to manage anemic patients before they undergo major surgery, and
- ✓ Describe how these new hematology parameters can be a useful part of your blood utilization program.

BARBARA J CONNELL, MS, MT(ASCP)SH

Sr Manager, Scientific Marketing
Sysmex America, Inc.
Mundelein, IL

Fearless Fluids – Going from Manual to Automated Body Fluid Testing

This lecture will provide a logical approach to the often feared hematologic examination of CSF, serous, and synovial fluids. The presentation will include a brief introduction into the pathophysiology of these fluids – why they are there and why we test them. A primary emphasis will be cell identification in the various fluids and differentiation of benign and malignant cells. Cell counting techniques, both manual and automated, will be discussed.

At the end of this session, participants will be able to:

- ✓ Identify clinically significant hematologic findings in CSF and serous fluids,
- ✓ Differentiate benign and malignant body fluid cellular morphology changes, and
- ✓ Interpret automated body fluid cell count scattergrams and histograms.

JERI WALTERS, SH(ASCP)

Technical Supervisor, Esoteric Testing
Aurora Clinical Laboratories
West Allis, WI

Sponsored by Sysmex America, Inc.

Thursday, October 14, 2010

Session # 10

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Proficiency Testing : Refer or Not to Refer, That is the Question

This course will cover CLIA regulations at Subpart H -- Proficiency Testing. The focus of the session will be on PT referral and inter-laboratory communication. Instructors will present real PT referral issues and discuss ways to strengthen PT policies to avoid potential problems. A discussion on the seriousness of referring PT samples and inter-laboratory communications will be included.

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

- ✓ Discuss what constitutes PT referral and inter-laboratory communication,
- ✓ Understand the CLIA rule about PT referral, and
- ✓ Discuss the consequences of PT referral.

FRANCISCA L. LEHR

Laboratory Surveyor & Consultant
Centers for Medical & Medicaid Services
Seattle, WA

RITA A YOUELL, BS, MT(ASCP)

Program Manager
Oregon Laboratory Compliance Section
Hillsboro, OR

The speakers for this session were provided courtesy of the Centers for Medicare & Medicaid Services CLIA Program and the Oregon Laboratory Compliance Section

Registration is limited to 30 people. Early registration improves your chance of getting into this session.

Session # 11

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Personnel Management—How to Enhance the Quality of Your Workforce

This session will discuss principles of managing the work of others. Topics to be covered include: leadership, motivation, morale issues, communication, and resolution of disciplinary actions. This session will be interactive, using cases and examples to demonstrate the concepts.

At the end of this session, participants will be able to:

- ✓ Identify how leadership style impacts the work environment,
- ✓ Describe two methods to improve morale in the workplace, and
- ✓ Discuss options to resolve behavioral problems.

CATHERINE OTTO, PhD, MBA, MLS

President-Elect
American Society for Clinical Laboratory Science
Bethesda, MD

Thursday, October 14, 2010

Session # 12

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Acupuncture: Ancient Theories to Modern Science

Acupuncture is one of the oldest systems of healthcare. This session will explore this unique system of care from ancient theories to modern science. Topics will include treatment options, diagnostic framework, and exploration of the current evidence base.

At the end of this session, participants will be able to:

- ✓ Describe common acupuncture modalities,
- ✓ Describe diagnostic and treatment variances in acupuncture, and
- ✓ Discuss current scientific theories in acupuncture.

RYAN J MILLEY, MAcOM, LAC

Informatics Specialist, Research Associate
Oregon College of Chinese and Oriental Medicine
Oregon College of Oriental Medicine
Portland, OR

Don't Forget!
Visit the Exhibits
11:30 AM to 3:30 PM

Session # 13

3:30 - 7:00 PM
3 Contact Hours
Intermediate

Blood Bank Potpourri

This session will present a variety of topics in blood banking, including an update on TRALI, current practices for autologous blood, blood bank basics, recognition and evaluation of transfusion reactions, and current topics of interest.

At the end of this session, participants will be able to:

- ✓ Discuss strategies in the hospital and donor center to mitigate TRALI risk,
- ✓ List risks of preoperative autologous blood collection, and
- ✓ Name and discuss signs and symptoms of major transfusion reactions.

MARY JO DREW, MD, MHSA

Chief Medical Officer
American Red Cross
Portland, OR

Sponsored by the American Red Cross

Thursday, October 14, 2010

Session # 14

3:30 - 7:00 PM
3 Contact Hours
Intermediate

Microcollection, Review of Specimen Quality Issues Including Phlebotomy and Processing

A basic review of skin puncture blood collections will be presented including finger and heel stick procedures. Proper site selection, site preparation and proper use of equipment will be presented. We will also review specimen quality integrity as it relates to phlebotomy and processing concluding with a review of the day's topics and a question and answer period.

At the end of this session, participants will be able to:

- ✓ Select the recommended skin puncture site, prepare the patient, and perform heel and finger sticks for blood collection, and
- ✓ Describe preanalytical variables that affect specimen quality.

TRICIA CASSIDY, MT(ASCP)

Sales Consultant and Field Sales Trainer
BD PreAnalytical Systems
Seattle, WA

Sponsored by BD PreAnalytical Systems

Session # 15

3:30 - 7:00 PM
3 Contact Hours
Intermediate

Surviving Sepsis

Sepsis and SIRS affect millions worldwide. The sepsis mortality rate is estimated at 25% and higher depending upon co-morbidities. This presentation will cover diagnosis and management of sepsis and related conditions. The recommendations of the "Surviving Sepsis Campaign" are central to the presentation.

At the end of this session, participants will be able to:

- ✓ Describe the difference between SIRS, Sepsis, Severe Sepsis, and Septic shock,
- ✓ Describe the pathophysiology of sepsis, and
- ✓ Outline the Surviving Sepsis Guidelines.

JOHN J ANCY, MA, RRT

Senior Clinical Consultant
Instrumentation Laboratory
Bedford, MA

Sponsored by Instrumentation Laboratory

Thursday, October 14, 2010

Session # 16

3:30 - 7:00 PM
3 Contact Hours
Intermediate

Emerging Infectious Diseases

The emergence of novel pathogens as well as a changing geographic distribution of established infectious agents poses a significant public health challenge. Recent epidemic outbreaks of pandemic influenza and West Nile Virus have illustrated the critical role of laboratory diagnostics for public health response as well as individual patient care. They have also invigorated private and public health initiatives to develop more robust pathways for response to future outbreaks. A variety of exciting new molecular technologies are now available to laboratories for pathogen detection, quantification, and nucleic acid sequence characterization. These and other tools have dramatically improved the capacity for pathogen discovery and coordinated health care response. This session will review the role of the clinical laboratory in the public health response to emerging infectious diseases and individual patient care.

At the end of this session, participants will be able to:

- ✓ Describe the worldwide spectrum of new and emerging infectious pathogens and recognize those agents with greatest potential to impact U.S. populations,
- ✓ Describe the impact of new technologies used for either pathogen discovery or diagnostic testing, and
- ✓ Discuss the need and pathways for rapid laboratory response to the threat for emerging infectious agents.

DAVID R HILLYARD, MD

Professor
University of Utah School of Medicine
Salt Lake City, UT

Sponsored by ARUP

Need More Time to Browse?

Visit the Exhibits

Last Chance Tomorrow

Friday 11:30 AM to 2:30 PM

Friday, October 15 2010

Session # 17

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Challenges in Clostridium Difficile Diagnosis

This session represents an overview of current and emerging strategies for accurate diagnosis of C. difficile infection including testing algorithms, which include assays for intestinal inflammation to determine disease state.

At the end of this session, participants will be able to:

- ✓ Discuss advantages and disadvantages of current diagnostic tests,
- ✓ Evaluate testing algorithms, and
- ✓ Describe options for testing including both rapids and automation.

PAULINE HAHN, BS, MS, MT

Enteric Product Specialist/Manager
Inverness Medical
Princeton, N.J.

Sponsored by Alere (Inverness Medical)

Session # 18

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Heparin Induced Thrombocytopenia

In this session we will discuss Heparin Induced Thrombocytopenia (HIT), its mechanism, laboratory diagnosis and the heterogeneity of patient profiles. Case histories will be the focus to allow the attendees to understand the process of diagnosis. We will also include updates in the literature on this disease.

At the end of this session, participants will be able to:

- ✓ Discuss what HIT is, and
- ✓ Discuss the choice of assay to identify HIT from other disease processes.

JEAN AMIRAL, PhD

Scientific and Research Director
HYPHEN Biomed
Neuville-Sur-Oise, France

Sponsored by Aniara Diagnostica

Session # 19

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Clinical Bacteriology Update

This 3-hour program will update participants on the latest MRSA therapies and infection control controversies. The latest techniques and infectious disease theory to enable participants from hospitals of all sizes to provide high quality patient care oriented microbiology will be discussed. Participants will also learn how certain quality microbiology practices that benefit the patient will also improve the hospital's bottom line. Each participant will receive a CD disk with CLSI format bacteriology procedures as attachments, which can be modified and edited to fit the needs of their own laboratories.

No Mercy for MRSA - Extinguishing those not so great balls of fire

This section will discuss the inadequacies of vancomycin single drug therapy to treat life threatening infections caused by vancomycin sensitive Staph aureus and will give oral rifampin combination therapy alternatives to vancomycin and linezolid for wound, ear, and non-serious MRSA infections. Reducing the prevalence of MRSA and infection control controversies will also be covered.

At the end of this session, participants will be able to:

- ✓ State the clinical failure rates of vancomycin when used alone to treat MRSA blood infections and the benefits of adding rifampin to improve outcomes, and
- ✓ List the molecular and culture methods to detect MRSA carriers and rapid techniques to differentiate MRSA and sensitive Staph aureus colonies.

The Joy of Being a Clinical Microbiology Technologist (as opposed to being a plate jockey)

This section will discuss the increased job satisfaction, better patient care, and decreased costs of hospitalization that result from a cost effective microbiology laboratory broad spectrum intervention in the antibiotic therapies of patients.

At the end of this session, participants will be able to:

- ✓ Develop cost and labor effective approaches that improve patient care, but only require minimal laboratory time

Blood Culture Practices That Improve Patient Care and Increase the Hospital's Bottom Line

This section will discuss the medically critical nature of blood cultures, how to decrease contamination rates, and blood culture systems that increase sensitivity and help optimize DRG prospective payment sepsis reimbursements, "feeding the hand that feeds you."

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

- ✓ List factors predisposing patients to bacteremia and septic complications, and
- ✓ Define proper timing of blood culture collections and how to reduce contamination

DENNIS L WEGNER, PhD

Consulting Clinical Microbiologist
Collaborative Laboratory Services
Ottumwa, IA

Sponsored by Collaborative Laboratory Services and BD Diagnostic Systems

Friday, October 15, 2010

Session # 20

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

It's Not Kidstuff: Vaccines for Adults

The majority of cases of vaccine-preventable diseases in the U.S. occur in adults. This session will provide an overview of the epidemiology of influenza, pneumococcus, hepatitis A, hepatitis B, *Herpes zoster* (shingles) and pertussis, with an emphasis on adults.

At the end of this session, participants will be able to:

- ✓ State the target groups for vaccination for each vaccine, and
- ✓ Describe the risk factors for transmission of each of the infections.

ANN THOMAS, MD, MPH
Public Health Physician
Oregon Public Health Division
Portland, OR

**Don't Forget!
Last Chance**

**Visit the Exhibits and
The Demo Vans**

11:30 AM to 2:30 PM

Friday, October 15, 2010

Session # 21

2:30 - 6:00 PM
3 Contact Hours
Intermediate

Antibody Crossout – Hints and Tips

The dreaded questions when working with red cells alloantibodies will be addressed .. have I done enough testing or do I need to do additional testing?

At the end of this session, participants will be able to:

- ✓ Define homozygous and heterozygous antigen expression definitions, and
- ✓ Describe tools for performing the antibody crossout.

SUE MOSCARELLI, BS, MT(ASCP)SBB

Reference Technologist
American Red Cross Red Cell Reference Lab
Portland, OR

The Zebra Files

This section will be a presentation of rare and unusual case studies sent to the reference lab, including anti-pP₁^{P_k}, anti-Jk3, anti-cefotetan.

At the end of this session, participants will be able to:

- ✓ Describe antibodies not seen every day, and
- ✓ Discuss clues that might lead to identification of rare antibodies

JEAN M SCOTT, MT(ASCP)SBB^{CM}

Supervisor, Immunohematology Reference Lab
American Red Cross Pacific NW Blood Services Region
Portland, OR

***Sponsored by the American Red Cross,
Pacific NW Region***

Session # 22

2:30 - 6:00 PM
3 Contact Hours
Intermediate

New Anticoagulants: Laboratory Testing

This topic will focus on DTIs , Argatroban, Bivalirubin, Lepirudin and mainly Pradaxa/Dabigatran Etxilate, and Xarelto/Rivaroxaban. Dr. Amiral will describe why it is useful in certain situations to measure their plasma concentration (over-dosage, under-dosage due to of lack of intake, lack of clearance resulting from renal or hepatic diseases, age, gender, etc.), which assays are available (global, semi-global or specially designed), the anticoagulants' dynamic ranges, interferences, and information they can provide to clinicians using these anticoagulants.

At the end of this session, participants will be able to:

- ✓ Discuss why monitor new anticoagulants,
- ✓ Discuss the choice of assay, and
- ✓ Describe the process of standardization.

JEAN AMIRAL, PhD

Scientific and Research Director
HYPHEN Biomed
Neuville-Sur-Oise,France

Sponsored by Aniara Diagnostica

Friday, October 15, 2010

Session # 23

2:30 - 6:00 PM
3 Contact Hours
Intermediate

OMG, I Killed the Lab

This session explores pitfalls in proficiency testing regulations that can result in severe penalties if violated. This session will also explore how proficiency testing can be used to improve accuracy and reliability of laboratory testing.

At the end of this session, participants will be able to:

- ✓ Identify consequences of P.T. referral,
- ✓ Summarize proper investigation of unacceptable P.T., and
- ✓ Analyze how your laboratory can do a better job with P.T.

MICK SCANLAN, MD

Associate Professor
Oregon Health Sciences University
Portland, OR

Sponsored by the College of American Pathologists

Session # 24

2:30 - 6:00 PM
3 Contact Hours
Intermediate

Haiti Disaster Relief

This session is a brief overview of the disaster in Haiti – the difference in needs between when the disaster strikes and during the recovery stage. We will be looking at what type of basic medical care is available initially, given that patients may develop infections, may be dehydrated, and may be exposed to enteric pathogens from the water supply.

At the end of this session, participants will be able to:

- ✓ Describe effective basic medical care,
- ✓ Outline what to do when disaster strikes, and
- ✓ Discuss when improper care causes harm.

LARRY HAMILTON, RN

House Supervisor
Tillamook County General Hospital,
Tillamook Oregon.

Sponsored by Medical Teams International

Saturday, October 16, 2010

Session # 25

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Phlebotomy Do's and Don'ts for the New and Intermediate

In this session we will review safety for the phlebotomist and the patient, and preanalytical errors that impact sample integrity. We will discuss techniques shared by phlebotomists performing pediatric collections and understanding the elderly patient for successful, positive interactions.

At the end of this session, participants will be able to:

- ✓ Review preanalytical factors affecting sample quality,
- ✓ Discuss safety measures for phlebotomist and patient, and
- ✓ Describe techniques for the pediatric, adult and elderly patient.

ALICIA QUIGLEY

Phlebotomy and Support Services Supervisor
Adventist Medical Center
Portland, OR

Session # 26

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Predictive and Prognostic Value of Autoantibodies

This session will examine the autoimmune process, the mechanisms of autoantibody production, and the appearance of autoantibodies before symptoms. We will discuss autoantibodies that are predictive of certain autoimmune diseases and consider the prognostic implications of specific autoantibodies.

At the end of this session, participants will be able to:

- ✓ Describe the various tests that are available for autoantibody testing,
- ✓ Outline some of the problems encountered with autoimmune laboratory tests,
- ✓ Differentiate between early detection of autoantibodies in asymptomatic patients and false positive tests,
- ✓ Relate the results of the laboratory tests to the clinical diseases, and
- ✓ Describe the goals and outcomes of current studies to determine predictive and prognostic value of autoantibody testing.

ERIC S HOY, PhD, SI(ASCP)

Clinical Associate Professor
University of Texas Southwestern Medical Center
Dallas, TX

Sponsored by Global Focus Marketing and Distribution

Saturday, October 16, 2010

Session # 27

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Seek the Root to Treat the Branch: An Introduction to Traditional Chinese Medicine

Traditional Chinese medicine approaches each patient individually to identify and correct their specific physical and emotional imbalances. Explore the rich history of this medicine and learn about techniques like acupuncture, Chinese herbs, massage and qigong that are used to promote health and well-being. Licensed acupuncturist Beth Howlett will provide sample acupuncture treatments.

At the end of this session, participants will be able to:

- ✓ Describe the history of acupuncture and oriental medicine,
- ✓ Describe the experience of acupuncture (watch a demo or receive a treatment), and
- ✓ Discuss other modalities of Oriental medicine: massage, qigong, Chinese herbs, etc.

BETH HOWLETT, MAcOM, LAc

Licensed Acupuncturist
Oregon College of Oriental Medicine
Portland, OR

Sponsored by the Oregon College of Oriental Medicine

Session # 28

8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Clues to Toxicology Cases: How the Lab Can Help

This talk will describe the medical toxicologist's approach to an unknown overdose. The approach involves utilizing basic chemistries to determine an anion gap and an osmolar gap, and which substances these gaps suggest may have been ingested. With these concepts, the differential diagnosis of metabolic acidosis in an overdose case will be discussed with an understanding of which drug levels are essential for diagnostic decision making for critical toxicologic interventions such as emergent dialysis or antidote administration.

At the end of this session, participants will be able to:

- ✓ Describe how basic chemistries can determine an anion gap and an osmolar gap, and which substances these gaps suggest may have been ingested,
- ✓ Discuss the differential diagnosis of metabolic acidosis in an overdose case, and
- ✓ Discuss which drug levels are essential for diagnostic decision making for critical toxicologic interventions such as emergent dialysis or antidote administration.

B. ZANE HOROWITZ, MD, FACMT

Medical Director, Oregon Poison Center
Professor of Emergency Medicine, Oregon Health & Sciences University
Portland, Oregon

Sponsored by the Oregon Poison Center

Session # 29

1:00 - 4:30 PM
3 Contact Hours
Intermediate

Jehovah's Witnesses and Transfusion

This portion of the session will be organized around specific illustrative cases regarding which blood products are unacceptable to Jehovah's Witnesses and which "matters of conscience" plasma derivatives and transfusion interventions may be acceptable—and life-saving.

At the end of this session, participants will be able to:

- ✓ Discuss that an integrated management approach is useful, including a specific "Transfusion Blood Refusal" form,
- ✓ Discuss how to approach the issue of transfusion of minors, and
- ✓ Discuss how hemoglobins much lower than conventionally accepted may be safely tolerated.

What To Do When the Patient Can't Be Transfused

This portion of the session will be organized around specific illustrative cases accessing risk of hemolytic transfusion reaction vs the benefit of transfusing "incompatible" blood—including transfusing patients with warm autoimmune hemolytic anemia, multiple anti-RBC alloantibodies, and antibodies to a high frequency antigen.

At the end of this session, participants will be able to:

- ✓ Access the risk of hemolytic transfusion reaction vs the benefit of transfusing "incompatible" blood—including transfusing patients with warm autoimmune hemolytic anemia, multiple anti-RBC alloantibodies, and antibodies to a high frequency antigen, and
- ✓ Describe how to approach patients refractory to platelet transfusion including testing and selection of appropriate platelet products (platelet crossmatched, HLA-matched).

Massive Transfusion: Evolving Concepts

The patient is losing whole blood and we're replacing it with blood components—what are the consequences of this with specific reference to massive transfusion? All "massive transfusion" patients are not the same due to cause of coagulopathy--and transfusion needs may differ (ratio of red cells to plasma; platelets; cryoprecipitate)—and that choice of the correct products may save lives

At the end of this session, participants will be able to:

- ✓ Describe how all "massive transfusion" patients are not the same re: cause of coagulopathy,
- ✓ Describe how transfusion needs may differ (ratio of red cells to plasma; platelets; cryoprecipitate) and that choice of the correct products may save lives, and
- ✓ Describe what unanswered questions remain re massive transfusion.

LYNN K BOSHKOV MD

Professor of Pathology, Medicine & Pediatrics
Director, Hemostasis & Thrombosis
Associate Director, Transfusion Medicine
Oregon Health & Science University
Portland, OR

Saturday, October 16, 2010

Session # 30

1:00 - 4:30 PM
3 Contact Hours
Intermediate

Thyroid Conditions

This session is an introduction to thyroid problems and standard laboratory assessment. We will cover the explanation of symptoms and treatment options including conventional and alternative medicine. Also covered will be thyroid function in other endocrine problems that people have together with thyroid disease.

At the end of this session, participants will be able to:

- ✓ Identify different types of thyroid conditions,
- ✓ Describe testing used for thyroid conditions and treatment methods, and
- ✓ Identify thyroid interactions with other hormones.

SUSAN ALLEN, BS, ND

Family Physician Naturopathic
Triangolo Family Clinic
Portland, OR

Session # 31

1:00 - 4:30 PM
3 Contact Hours
Intermediate

Capillary Electrophoresis and Its Use in the Analysis of Serum and Hemoglobin Samples

The presentation will explain the principles of capillary electrophoresis and how it differs from more conventional gel electrophoresis. Normal and abnormal serum electrophoresis patterns will be reviewed and the most likely underlying causes discussed. In addition, immunotyping (IT) (technique that is similar to immunofixation) principles will be explained. Some cases will be reviewed and results compared to ones from immunofixation gels. The principles of hemoglobin capillary electrophoresis will be discussed in detail. Capillary electrophoresis will be compared to more conventional methods used for Hb variant separation (HPLC, gel electrophoresis). Both alpha- and beta-chain variants and various thalassemias detected using capillary electrophoresis will be reviewed and discussed.

At the end of this session, participants will be able to:

- ✓ Describe the principles of capillary electrophoresis and its use in serum protein electrophoresis,
- ✓ Describe the principles of immunotyping and interpret various immunotyping patterns, and
- ✓ Discuss capillary electrophoresis use in detecting hemoglobinopathies and thalassemias.

AIGARS BRANTS, PHD

Scientific Affairs Officer
Sebia, Inc.
Norcross, GA

Sponsored by Sebia, Inc.

EXHIBITORS & EXHIBIT HALL INFORMATION

The leading manufacturers and distributors will once again gather in the Exhibit Hall at the Holiday Inn, Portland Airport to display their wares. This will be the 27th 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, Abbott Diagnostics, Beckman Coulter, bioMerieux, Siemens Healthcare Diagnostics and Sysmex will be bringing their demonstration vans displaying 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 nametag and join the Committee in thanking the vendors for their support. The following companies have registered for space prior to the program printing deadline. For the latest information, please visit the the vendor websites. Links may be found at www.asclswa.org, tab NWMLS, click on "Exhibitor List 2010".

<p>Abbott Diagnostics</p> <p>Advanced Instruments</p> <p>Alere (Inverness Medical)</p> <p>Antek Healthware, LLC</p> <p>Aniara Diagnostics</p> <p>Applied Biosystems</p> <p>ARUP Laboratories</p> <p>Audit MicroControls</p> <p>BD Preanalytical Systems</p> <p>BD Infectious Disease</p> <p>Beckman Coulter, Inc</p> <p>bioMerieux, Inc</p> <p>Bio Rad Laboratories</p> <p>Bravo Unlimited LLC</p> <p>Cardinal Health</p> <p>Cellestis</p> <p>Cepheid</p> <p>Copan Diagnostics, Inc</p> <p>Delivery Express</p> <p>DiaSorin, Inc</p> <p>Everest College</p> <p>Fisher Healthcare</p> <p>Genzyme</p> <p>Global Focus Marketing & Distribution</p> <p>GTI Diagnostics</p> <p>Hardy Diagnostics</p> <p>Helmer</p> <p>HemoCue, Inc</p>	<p>Immucor</p> <p>Immunodiagnostic Systems, Inc</p> <p>Instrumentation Laboratory</p> <p>IRIS Diagnostics</p> <p>Labs Are Vital</p> <p>Mayo Medical Laboratories</p> <p>Millipore Corporation</p> <p>Medtox Laboratories</p> <p>Modern Laboratory Services, Inc</p> <p>Olympus America, Inc.</p> <p>Ortho Clinical Diagnostics</p> <p>PALCOE</p> <p>Pointe Scientific, Inc</p> <p>Quest Diagnostics</p> <p>Radiometer</p> <p>Remel (Part of Thermo Fisher Scientific)</p> <p>ROCHE Diagnostics</p> <p>Sanyo Biomedical</p> <p>Sebia, Inc.</p> <p>Scientific Supply & Equipment</p> <p>Siemens Healthcare Diagnostics</p> <p>Siemens Water Technologies</p> <p>Stago</p> <p>Sysmex America, Inc</p> <p>The Binding Site</p> <p>Tosoh Bioscience, Inc</p> <p>University of Washington</p>
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EXHIBIT HOURS

Wednesday, October 13	Exhibit Opening	11:30 A.M. – 3:30 P.M.
Thursday, October 14		11:30 A.M. – 3:30 P.M.
Friday, October 15	Exhibit Closing	11:30 A.M. – 2:30 P.M.

EXHIBITOR PRODUCT LIST

Abbott Diagnostics

Advanced Instruments

Alere (Inverness Medical): FOBT Complete, Cdiff Complete, LeukoEZVue

Antek Healthcare, LLC: LabDAQ Laboratory Information System, LabDAQ Middleware

Aniara Diagnostica: Zymutest HIT, Biophen Heparin, DTI kits, DaXI kits (Rivaxoban)

Applied Biosystems (Division of Life Technologies): 3500 Genetic Analyzer, ViiA7 qPCR system, SOLiD PI, Attune Acoustic Cytometer

ARUP Laboratories: Reference Lab Testing

Audit MicroControls

BD Preamplification Systems: MAP, Rapid Serum Tube, Push Button Wingset, Urine Collection

BD Infectious Disease: BACTEC FX, Phoenix Automated Microbiology System, BD GeneOhm C. diff and MRSA, BD Protect

Beckman Coulter, Inc: AU480, AU680,DXH800, TOP500, DX1600

bioMérieux, Inc: PREVI™ Isola, PREVI™ Color Gram, UF-1000i

Bio Rad Laboratories: Biotest Blood Bank Products, Evolis/PhD, BioPlex 2200, Quality Control and QC Data Management, MRSA Select, Variant II, D-10

Bravo Unlimited LLC: MINDRAY Hematology and Chemistry Instrumentation

Cardinal Health

Cellestis: QuantiFERON-TB Gold

Cepheid

Copan Diagnostics, Inc: SLsolution, Sputum Dipper

Delivery Express

DiaSorin, Inc: Vitamin D, Infectious Disease

Everest College: Medical Externships, Entry Level Employees

Fisher Healthcare: Fisher Healthcare, Thermo Fisher Scientific - Specialty Diagnostics Group, Luminex, Trinity USA, Abbott

Genzyme: Rapid Flu, Strep, Women's Health-BV, Trichomonas

Global Focus Marketing & Distribution

GTI Diagnostics: PF4 IgG, ATS-13, DonorScreen-HLA, Lifecodes Pak LX

Hardy Diagnostics: HardyCHROM ESB, HardyCHROM Carbapenemase, Acinetobacter media, HUrb

Helmer: Undercounter Refrigerators, Undercounter Freezers, Pass-Thru Refrigerators

HemoCue, Inc: HB201 Analyzer, Glucose 201 Analyzer, Albumin 201 Analyzer, WBC Analyzer

Instrumentation Laboratory: GEM Premier 4000, GEM Premier 3500, GEM Premier 3000/OPL, GEM PCL Pluscho Automation for Blood Bank

Immucor: Echo Automation for Blood Bank

Immunodiagnostic Systems: IDS-iSYS System, IDS-iSYS 25-Vitamin D, IDS-iSYS 25-Vitamin D EIA

IRIS Diagnostics: IQ 200 Elite System

Labs Are Vital

Mayo Medical Laboratories: Reference Testing

Millipore Corporation

Medtox Laboratories

Modern Laboratory Services, Inc: Siemens Dimension, Siemens Immulite, Sysmex Hematology, Exclusive Distributor for Siemens POL Market

Olympus America, Inc.: New BX43 Clinical Microscope, New BX46 Microscope, DP21 Digital Camera

Ortho Clinical Diagnostics: Vitros 5600 Integrated System, VITROS 3600

PALCOE

Pointe Scientific, Inc: Direct HbA1c reagent, Homocysteine reagent, CRP(hs) reagent, General Chemistry reagents

Quest Diagnostics: Vitamin D, Quantiferon, Ova1/HE4

Radiometer: ABL90, AQT90, ABL80 Co-ox

Remel (Part of Thermo Fisher Scientific)

ROCHE Diagnostics: HCV, 9 minute Troponin

Sanyo Biomedical: Undercounter Fridge

Sebia, Inc: MiniCap

Scientific Supply & Equipment: Nikon Microscopes

Siemens Healthcare Diagnostics: CS2000i

Siemens Water Technologies

Stago: Heparin Xa, STart 4 Instrument, Coag Connect

Sysmex America, Inc

The Binding Site

Tosoh Bioscience, Inc.

University of Washington

Registration Terms and Conditions

Fees are listed for each category. To ensure adequate processing time, please postmark your registration by September 24, 2010. An additional \$10.00 fee will be charged for on-site registration. Handouts or lunch will not be guaranteed to on-site registrants.

Lunch is included in the registration fee for persons who are preregistered for an AM **and** a PM session on the same day. Lunch is **not** provided for registrants that sign up only for an AM or PM session or who register on-site.

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. Anyone joining ASCLS and mailing the completed membership application is eligible for member rates. Please include a copy of the membership form with your registration.

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. AMT's RMA are eligible for Phlebotomist Member fees.

Payment: Full payment in U.S. Dollars must accompany all registrations. Please submit a check for the appropriate payment according to the category that you qualify for. Those registrations without full payment will be held and the registrant notified. Checks must be made payable to "NWMLS." The bank will not accept checks made payable to any other name. The registration will not be processed until full payment to NWMLS is received in U.S. Dollars. No unpaid registrations or credit card registrations can be accepted.

The seminar committee reserves the right to limit registration and cancel any session prior to the seminar should circumstances make it necessary. If a session is cancelled, the registrant may attend another session or receive a refund. Otherwise, due to hotel and session expense obligations, NO REFUNDS are permitted.

Registration Questions

For registration questions or information contact:

Edna Anderson
1397 Redwood St NW
Salem, OR 97304-1940

Phone: 503-364-5645
E-mail: EMA46@comcast.net

If you wish to receive a confirmation, please include a self-addressed, stamped envelope or an emailed confirmation may we requested. Please write your email address clearly.

2010 Northwest Medical Lab Symposium

October 13 - 16, 2010
Holiday Inn, Portland Airport

Please Postmark by September 24, 2010

PLEASE PRINT AND SHOW NAME AS WANTED ON NAME TAG

First Name _____ Last Name _____
 Address _____
 City/State/Zip _____
 Day Phone _____ Evening Phone _____
 Institution _____
 City/State _____
 E-Mail Address _____

Please circle sessions you wish to attend.

Would you be willing to serve as Moderator for any of the sessions you will be attending? Please circle response. Yes No

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

ADVANCED REGISTRATION FEE SCHEDULE (All Full-Day Preregistration INCLUDE Lunch)

Member ASCLS or AMT (Membership #: ASCLS _____ AMT _____)				
	Technical/Administrative Professional			
	Full Day	_____ days	@ \$100.00	\$ _____
	Half Day	_____ half days	@ \$50.00	\$ _____
	Phlebotomist/RMA/COLT			
	Full Day	_____ days	@ \$50.00	\$ _____
	Half Day	_____ half days	@ \$30.00	\$ _____
	Student			
	Full Day	_____ days	@ \$50.00	\$ _____
	Half Day	_____ half days	@ \$30.00	\$ _____
NonMember				
	Technical/Administrative Professional			
	Full Day	_____ days	@ \$180.00	\$ _____
	Half Day	_____ half days	@ \$90.00	\$ _____
	Phlebotomist			
	Full Day	_____ days	@ \$80.00	\$ _____
	Half Day	_____ half days	@ \$40.00	\$ _____
	Total			\$ _____

Mail to: Edna Anderson
1397 Redwood St NW
Salem, OR 97304-1940

Full Payment must accompany all registrations. Remit in U.S. dollars. Make check payable to **NWMLS**.

E-mail: EMA46@comcast.net

Please Postmark by September 24, 2010

APPLICATION FOR MEMBERSHIP
American Society for Clinical Laboratory Science

Name _____	Date of Application _____
Company _____	Department _____
Address _____	City/State Zip _____
E-mail Address _____	Telephone _____ Fax _____
Home Address _____	City/State/Zip _____
Home Phone _____	
Check here if you want to receive your ASCLS mail at home	

Scientific Assembly

The ASCLS Scientific Assembly sections provide an opportunity for members to network within their own scientific discipline. There is no additional fee for participation. Please choose one primary and one secondary interest.

Primary	Secondary Interest	
___ (01)	___ (01)	chemistry/urinalysis
___ (02)	___ (02)	microbiology
___ (03)	___ (03)	laboratory administration
___ (04)	___ (04)	immunology/immunohematology
___ (06)	___ (06)	histology/cytology
___ (07)	___ (07)	hematology/hemostasis
___ (08)	___ (08)	generalist/public health
___ (09)	___ (09)	industry
___ (10)	___ (10)	education
___ (11)	___ (11)	phlebotomy/POC
___ (12)	___ (12)	molecular
___ (13)	___ (13)	molecular bio/genetics
___ (14)	___ (14)	consultant

CERTIFICATION AGENCY - Circle the corresponding credential obtained; check all that apply.

- (4) ___ NCA ___ (a) CLS ___ (b) CLT ___ (c) other
 (5) ___ AMT ___ (a) MT ___ (b) MLT ___ (c) other
 (6) ___ ASCP ___ (a) MT ___ (b) MLT ___ (c) other
 (7) ___ HHS ___ (b) CLT ___ (c) other
 (9) ___ Other

POSITION - Circle one

- (P) Lab Director (Admin)
 (N) Lab Manager
 (A) Tech. Supervisor
 (M) Staff Technologist (CLS)
 (4) Staff Technical (CLT)
 (t) Phlebotomist
 (6) Laboratory Assistant
 (I) Faculty Member/Instructor
 (K) Program Director
 (L) Consultant
 (U) Inspector/Sales
 (2) Marketing/Sales

Please assist ASCLS in collecting the following voluntary statistics to provide analysis of professional trends:

Employment Status: ___FT ___PT ___STU ___Unemployed ___Retired Highest Degree: ___H.S. ___Assoc. ___Bach ___Masters ___PhD

Year of Birth: ___ Sex ___F ___M

Race (please circle one) Caucasian / American Indian / Alaskan Native / Asian/Pacific Islander / African American / Hispanic / Other

Contributions or gifts to ASCLS and ASCLS/PAC are not deductible as charitable contributions for federal income tax purposes. However, dues payments may be deductible by members as an ordinary business expense. ASCLS estimates that 9% of your dues will be spent on lobbying, and therefore this portion will not be deductible on your federal income taxes

ASCLS Membership Categories and Eligibility Requirements

PROFESSIONAL (*full voting privileges*) is open to all persons certified or engaged in the practice and/or education process of the clinical laboratory science, including those with an active interest in supporting the purposes and goals of this Society. Membership benefits are dependent on level of membership:

PROFESSIONAL I includes basic benefits plus the award winning journal, CLS.

PROFESSIONAL II includes basic benefits only.

National Dues: Professional I - \$99; Professional II - \$78; **plus** State Dues: \$10 for WA, OR, or ID

COLLABORATIVE (*Non-voting privileges*) is available to any individual who currently holds membership in any other *health related national organization* **AND HAS NEVER BEEN A MEMBER OF ASCLS.**

Health related national organization membership: _____

National Dues only: \$45

FIRST YEAR PROFESSIONAL (*full voting privileges*) Open to persons who have graduated within the last twelve months from an accredited program in laboratory science. Prior student membership with ASCLS is not a prerequisite. This membership status is valid for only one year to assist recent graduates. After one year in this category, members are upgraded to Professional membership.

National Dues: \$40.00 plus State Dues: \$10 for WA, OR or ID

STUDENT (*non-voting privileges*) Open to persons enrolled in a structured program of training or academic instruction in clinical laboratory science, or to full-time graduate students in related science area.

National Dues: \$25.00 no state dues in WA, OR, or ID

Persons residing outside of the U.S. are only eligible for the Professional I category.

I wish to join ASCLS as a _____ member.

(Students, please list your expected date of graduation: _____ Mo/Yr.)

Membership dues: _____ + State dues: _____ = Total payment enclosed _____

Method of Payment: (U.S. Funds Only)

__ Check (payable to ASCLS) __ Visa __ MasterCard __ Amex

Exp. date _____

Card # _____

Name on card _____

Signature _____

**Please complete and send this application with your payment to our lockbox:
ASCLS, P.O. Box 79154, Baltimore, MD 21279-0154 Phone: 301-657-2768 Fax: 301-657-2909**

To be eligible for member rates at the NWMLS, please include a copy of this form with your registration. Please let us know if you have mailed this application with payment.

American Medical Technologists

Request for Certification and Membership

Yes, I want to become a member of the American Medical technologists. Please mail me further information about AMT, along with a Membership Application Form.

Name _____

Telephone: Home _____ Work _____

Address _____

City/State/Zipcode _____

Employer _____

Students: name of Institution where enrolled: _____

Major or name of training program: _____

Mail to : Edna Anderson
1397 Redwood St NW
Salem, Oregon 97304-1940

Special Notes

Hotel Information

Special group rates are available at the Holiday Inn Portland Airport through September 21. 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 503-256-5000.

General Information

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

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

Message Center

A message board will be maintained at the registration desk for Emergency messages. The phone number for the Holiday Inn Portland Airport is 503-256-5000.

Session Pass and Meeting Room Assignments

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

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

Please check for session updates and or cancellation information.

P.A.C.E.® / AMTIE

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

ASCLS-OR is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® program. ASCLS-OR 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.

Be prepared to list your AMT registry number for the AMTIE rosters. OSSAMT is the approved provider for AMTIE CECs and insures that these educational presentations confirm to standards established by AMTIE.

Sessions at a Glance

Wednesday, October 13	AM	1	2	3	4
		Vitamin D Flow Cytometry Medical Mysteries	Clinical Research	Update Antibiotic Resistance	Red Cells in Health & Disease
	Exhibits: 11:30 AM – 3:30 PM				
	PM	5	6	7	8
		Osteoporosis Update Prostate Cancer Scrn	Violence in Workplace; Motivating Employees	Pharmacogenomics of Warfarin	Hemoglobin A1c and Hemoglobin A2
Thursday, October 14	AM	9	10	11	12
		Manage Pre-op Anemia Fearless Fluids	Proficiency Testing	Personnel Manage- ment	Acupuncture
	Exhibits: 11:30 AM – 3:30 PM				
	PM	13	14	15	16
		Blood Bank Potpourri	Phlebotomy and Processing	Surviving Sepsis	Emerging Infectious Diseases
Friday, October 15	AM	17	18	19	20
		Challenges in C Difficile Diagnosis	Heparin Induced Thrombocytopenia	Clinical Bacteriology Update	Vaccines for Adults
	Exhibits: 11:30 AM – 2:30 PM				
	PM	21	22	23	24
		Antibody Crossout The Zebra Files	New Anticoagulants: Laboratory Testing	OMG, I Killed the Lab	Haiti Disaster Relief
Saturday, October 16	AM	25	26	27	28
		Phlebotomy Do's and Don'ts	Predictive and Prognostic Value of Autoantibodies	Introduction to Traditional Chinese Medicine	Clues to Toxicology Cases:
	PM	29	30	31	
		Jehovah's Witnesses and Transfusion; When the Patient Can't Be Transfused; Massive Transfusion	Thyroid Conditions	Capillary Electropho- resis and Its Use	