

2008
NORTHWEST
MEDICAL LABORATORY
SYMPOSIUM



AMERICAN SOCIETY FOR CLINICAL LABORATORY SCIENCE
REGION IX

AMERICAN MEDICAL TECHNOLOGISTS
WESTERN DISTRICT

Holiday Inn Portland Airport
Portland, Oregon
October 15 - 18, 2008

2008 Northwest Medical Laboratory Symposium

Oregon Association for Clinical Laboratory Science

Oregon State Society of American Medical Technologists

American Society for Clinical Laboratory Science - Washington

Northwest State Society of American Medical Technologists

Holiday Inn Portland Airport
8439 NE Columbia Blvd
Portland, OR

October 15 - 18, 2008

Please bring this program with you to the symposium.

FREE 2009 SYMPOSIUM REGISTRATION!

Volunteers are needed for all 2009 NWMLS committees. The only requirement is that you are a member of one of the four sponsoring organizations. Some do their work before the Symposium and are essentially free to attend sessions. Others work more during the Symposium. All are fun and ALL provide you with terrific networking opportunities that are not obtainable anywhere else. And best of all - all committee members are given free registration in return for their efforts. If you would like to become involved for 2009, please contact any NWMLS committee member. You will be glad you did!

WELCOME!

Invitation To Attend

Make Portland Your Port Way to Knowledge 2008 Northwest Medical Laboratory Symposium

The allied health field is a fast-changing environment. In order to be a viable, employable professional in the laboratory today, you must stay on the cutting edge of technology. It is our pleasure to invite you to come join us at the Holiday Inn Portland Airport, Portland, Oregon, from October 15 – 18 for the 2008 Northwest Medical Laboratory Symposium. Not only will you have an opportunity to attend excellent continuing education seminars on a variety of subjects, view the latest in laboratory equipment and instrumentation; but you will also have the opportunity to network with fellow laboratory professionals to discuss one-on-one how they are managing day-to-day challenges in their laboratory.

For many of us working in the laboratory today, the skills we were so proficient at, and practiced at the beginning of our careers, are no longer even taught, except as “once upon a time.” Only by staying current through continuing education can you remain competitive and competent in your chosen field and not end up extinct like the dinosaur. The challenge of daily changing technology is part of what makes our career so exciting and one worth doing for over 30 years. The Northwest Symposium is an excellent way to gain knowledge, stay current, and have fun doing it. The seminars promise to offer topics to meet everyone’s needs. Be sure to tour the exhibit hall and talk to the vendors, and remember, the more time you spend visiting the exhibits, the better chance you have of winning a prize. Please make a point to tell each and every vendor “thank you” for being there, and for helping sponsor speakers and breaks for the Symposium.

The Holiday Inn Airport in Portland is located less than two (2) miles from the Portland International Airport and just minutes away from Cascade Station, which is Portland’s newest shopping and dining experience. The facility offers many amenities and it is quite beautiful. There is a complimentary shuttle service to and from the airport.

So, please come join us at the Holiday Inn Portland Airport, Portland, Oregon for the 2008 Northwest Medical Laboratory Symposium to learn, network and have a great time!

MARY LASHINSKI, CLS(NCA)
Director, ASCLS Region IX

BARBARA E. WARE, MT(AMT)
AMT Western District Councilor

Special Notes

HOTEL INFORMATION

Special group rates are available at the Holiday Inn Portland Airport through September 29 . 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.

NAME BADGES

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.

GENERAL INFORMATION

Casual dress is appropriate for all sessions. There will be no smoking in any of the sessions. Please turn off your cell phones during the session.

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.asclsr9.org, www.asclswa.org, and www.oacls.org
Please check for session update and or cancellation information.

P.A.C.E.[®] / AMTIE

Credits have been approved for all appropriate sessions. OACLS is an approved provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.[®] program. Additionally, OACLS is approved as a provider for California clinical laboratory licensees under P.A.C.E.[®] California accrediting agency license number 0001. OSSAMT is the approved provider for AMTIE CECs and insures these educational presentations conform to standards established by AMTIE.

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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.

HOLIDAY INN PORTLAND AIRPORT

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

NORTHWEST MEDICAL LABORATORY SYMPOSIUM OCTOBER 15 - 18, 2008

To reserve your room at the convention rate, please call for a reservation no later than September 28, 2008. Reservations received after September 28 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. Group rates will be available from October 12 - October 21 for those that want to come in early or stay later.

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
_____ Suite	\$ 142.00

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.

2008 NWMLS Committee

General Chair

Audrienne Whitley

Program

Brenda Lawing *
Helen Wand
Benjamin Briggs

Registration

Edna Anderson *
Kelly Bennett
Dee Uerlings

Exhibits

Karen Bennett *

P.A.C.E.®

Joan Pankonin *
Joyce Zook

AMTIE & Moderators

Marilyn Albertsen *

Audio Visual

Melinda Winkelhake

Hospitality

Krista Moore *

Program Design

Brenda Kochis

Finance

Heidi Smith

Webmaster

Brenda Kochis

Western District of American Medical Technologists Officers and Business Meetings

Western District Councillor Barbara Ware, MT(AMT)

The AMT Western District includes Idaho, Montana, Oregon and Washington among other states.

OSSAMT

President	Willy Richardson
President Elect	Marilyn Albertsen
Secretary	Audrienne Whitley
Treasurer	Clifford Colvin

OSSAMT Board Meeting

Friday, October 17, 2008 6:00 - 7:00 AM

OSSAMT Business Meeting

Friday, October 17, 2008 6:00 PM

NWSSAMT

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

NWSSAMT Board Meeting and Business Meeting

Friday, October 17, 2008 6:00 PM

ASCLS Officers and Business Meetings

Regional Director Mary Lashinski

The Council is composed of the Presidents, President-Elects, and Past Presidents of OASCLS, CLSA and ASCLS-WA. All ASCLS members and any interested nonmembers are welcome to attend.

Region IX Forum

Friday, October 17, 2008

6:30 - 7:30 PM

OACLS

President	Sarah Erhardt
President Elect	Jeffrey Josifek
Secretary	Helen Wand
Treasurer	Krista Moore
Past President	Brenda Lawing

OACLS Board Meeting

Friday, October 17, 2008

Follows Region IX Forum

ASCLS-Washington

President	Mary Helen Carroll
President Elect	
Secretary	Sue Seegers
Treasurer	Sammie Prebble
Past President	Molly Morse

ASCLS-WA Board Meeting

Friday, October 17, 2008

Follows Region IX Forum

CLSA

President	Jill Jefson
President Elect	Pam Jett
Past President	Shellie Smith

General Information

Registration Hours

Wednesday	7:30 AM - 8:30 AM 2:30 PM - 3:30 PM
Thursday	7:30 AM - 8:30 AM 2:30 PM - 3:30 PM
Friday	7:30 AM - 8:30 AM 1:30 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 and Thursday	11:30 AM - 3:30 PM
Friday	11:30 AM - 2:30 PM

Lunch

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

Note: Lunch is provided only with full-day pre-registrations. **Lunch is not provided with half-day registrations, or with on-site registrations.** A full-day registration 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 # 1
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Celiac Disease

Celiac disease is a lifelong immune mediated enteropathy caused by a permanent sensitivity to gluten in genetically susceptible individuals. Population-based research in the United States has estimated the prevalence of celiac disease as being in the 0.5-1.0 percent range, up to 3 million people. Certain subsets of the population have enhanced prevalence: Type 1 diabetes mellitus (3.8%), Down syndrome patients (5-12%), first and second-degree relations of celiac disease patients (4-12%). The prevalence of celiac disease has been largely unrecognized with patients going for years without correct diagnosis. Attention will be paid to defining celiac disease, clinical manifestations (G1 and non G1), incidence and epidemiology. The treatment of celiac disease remains a lifelong gluten-free diet. Consistent adherence to this diet may lead to remission of disease in the majority of patients.

Celiac disease patients may be classified into four subphenotypes: classical celiac disease, celiac disease with atypical symptoms, silent celiac disease and latent celiac disease.

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

- Describe the current thinking of the pathogenesis of celiac disease,
- Discuss the implications to potential therapeutic modalities, and
- Outline an overview of treatment and nutritional consequences.

ANTHONY SFERRUZZA, PhD

Director for Oncology, Immunology, and Coagulation Departments
Quest Diagnostics, Nichols Institute
San Juan Capistrano, CA

Session # 2
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Build a Pertinent, Effective and Enjoyable Safety Training, Right Now!

Many laboratories have on-site safety training programs that need to be customized. During this course basic education techniques will be reviewed, and a discussion of specific lab safety topics will follow.

Participants should expect to share their strengths, learn new skills and work together on a specific safety topic the group chooses, to create a training module that can be customized for their own use.

The process of learning together, choosing a topic and building the material will mimic the education process that trainers will be encouraged to use with their own employees.

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

- Explain training methods that work best for laboratorians,
- Use different presentation methods to create effective content for safety training, and
- Use a training module that we will build together.

MARK DWYER SLS (ASCP)

Safety Coordinator
Oregon Medical Laboratories
Springfield, Oregon

Wednesday, October 15, 2008

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

Overview of Technologies Used for HLA typing.

The human lymphocyte antigen (HLA) system is one of the most polymorphic genetic systems known. More than 1500 alleles are currently identified and dispersed across the classical class I loci (HLA-A, -B, and -C) and classical class II loci (HLA-DR, -DQ, and -DP). Determining which pair of alleles resides at any single locus in an individual is a challenge. Originally, this determination was accomplished by serologic methods that were complement-dependent cytotoxicity assays detecting gene products from the HLA complex. Today, several different types of HLA DNA typing methods exist and are commonly used by clinical laboratories. In general, HLA DNA can be typed either by hybridizing labeled, sequence – specific oligonucleotide probes to HLA loci amplified by the polymerase chain reaction (PCR), or by using PCR to amplify the HLA DNA directly through differential primer extension. Each HLA typing technique has its advantages and disadvantages, and clinical laboratory personnel must choose the most appropriate test for their needs based on cost, average turnaround time, required resolution, and number of average samples per day. This session presents an overview of various technologies used for HLA typing.

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

- Describe when and why serologic, cellular, and DNA assays are important to the transplant or transfusion patient,
- Discuss the clinical relevance and techniques used for HLA typing in various clinical conditions, and
- Describe the types of cases, problems, and challenges facing a clinical histocompatibility laboratory.

ZAHRA M. KASHI, PhD, HCLD

CEO and Laboratory Director
Kashi Clinical Laboratories
Beaverton, OR

**Visit the Exhibits
11:30 AM - 3:30 PM**

Wednesday, October 15, 2008

Session # 4
3:30 PM - 7:00 PM
3 Contact Hours
Intermediate

Problem Solving Beyond Gel and Solid Phase (Part 1)

With the increase in use of Gel and Solid Phase technologies, we've seen an increase in the number of associated problems sent to the reference lab. During this session, we'll use case studies to work through resolution of problems associated with Gel and Solid Phase and send the participant home with tools to solve those problems in their labs.

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

- Identify methods available to solve patient testing problems associated with Gel and Solid Phase technologies,
- Construct appropriate panels of selected cells to identify and resolve patient antibody problems, and
- Utilize problem solving tools in participant's facility.

JEANNE M. SCOTT, MT(ASCP)SBB

Supervisor Immunohematology Reference Laboratory
American Red Cross, Pacific Northwest Blood Services Region
Portland, OR

Blood Bank Update—A Potpourri

This presentation will focus on a variety of topics of current interest in the field of transfusion medicine. Included will be a discussion on transfusion associated lung injury (TRALI), the role of DNA analysis in blood typing, quality assurance in the hospital blood bank, and the importance of transfusion safety programs in the hospital.

After attending this presentation, participants will be able to:

- List current theories of the causes of TRALI and how the blood bank may assist in the work up of this reaction,
- Explain how the use of DNA sequencing may help to improve provision of blood for patients, and
- Discuss the importance of hospital transfusion safety in improving patient safety and quality of care

MARY JO DREW, MD, MHSA

Chief Medical Officer
American Red Cross
Pacific Northwest Blood Services Region
Portland, OR

Wednesday, October 15, 2008

Session # 5
3:30 PM - 7:00 PM
3 Contact Hours
Advanced

Clinical Overview of Viral Hepatitis Tumor Biomarkers in Early Detection of Prostate and Breast Cancer

A diagnosis for the causative agent in viral hepatitis requires laboratory testing, as it cannot be determined on clinical grounds alone. This infectious disease hepatitis seminar is targeted as a review for the laboratory technician. The presentation focuses on the biology, epidemiology and serology of hepatitis A, B, and C. Acute and chronic serological profiles are examined, and an explanation of both antigen and antibody involved in the humoral response is provided. At the end of the presentation, attendees should be able to identify the current serological tests available for the clinical assessment of viral hepatitis.

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.

At the conclusion of the seminar, attendees should be able to:

- Describe viral hepatitis, including prevalence, route of infection, and risk factors,
- Outline the differential pathogenesis of infection with recovery versus chronic infection with Hep B and C, and
- Describe the serological and molecular profiles and marker utilization for Hep A, B, and C, including resolved, chronic, and immunized.

- Describe the role PSA plays in the diagnosis and monitoring of prostate cancer,
- Understand the value that ratios and isoforms can play in improving PSA testing, and
- Describe the HER2/neu protein in breast cancer and the value of both tissue and serum - based HER2/neu tests.

MONET N. SAYEGH, MD

Medical Consultant
Siemens Healthcare Diagnostics
Los Angeles, CA

Thursday, October 16, 2008

Session # 6
8:30 AM – 12:00 PM
2:30 PM - 5:00 PM
6 Contact Hours
Advanced

Peripheral Smears: The Primary Diagnostic Tool: Part 1

Enhance your productivity in hematology and gain confidence in your ability to evaluate a peripheral smear, especially when faced with an undiagnosed patient.

Diagnostic ability is essential for the proper evaluation of a patient's hematologic status. Erroneous or inaccurate results can lead to an incorrect diagnosis, causing delayed or inappropriate treatment. Yet each day, you are called upon to analyze cell morphology on peripheral smears without the benefit of a case history, in a rather "blind study" fashion. Attend this intermediate to advanced level lecture to increase your hematological acuity, confidence, and diagnostic ability.

In Part I, more than four hundred images will be used to demonstrate techniques used for peripheral smear diagnosis of all the myeloproliferative disorders. In addition, differential diagnosis exercises, using only peripheral smear findings, will challenge your knowledge and reinforce the information presented.

You will hear in-depth presentations on the WHO classification of :

- √ Chronic Myeloproliferative Disorders (CML, PV, CIMF, ET, CNL, CEL) and early transformation recognition.
- √ Myelodysplastic Syndromes (RA< RARS, RAMLD, RAEB[TYPE 1 AND 11] and the 5q - syndrome) as well as the CMPD/MDS Syndromes (CMML,JMML, aCML)
- √ Acute Myeloid Leukemias according to the WHO Classification including the new sub-classifications vs the renamed FAB classification (AML NOS)
- √ Granulocyte dysfunction syndromes.
- √ Miscellaneous disorders, such as the Chediak-Higashi Syndrome and certain mucopolysaccharide disorders
- √ Intra and extracellular organisms.

Although this workshop is Part I of two sessions, each may be taken separately. Part II will be presented on Oct. 17.

Note that the afternoon session begins at 2:30 pm only for this session..

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

- Apply improved morphologic skills to more accurately diagnose hematologic problems,
- Assist non-hematologist physicians in understanding patient disorders,
- Alert physicians to unknown hematologic situations, and
- Discuss patient diagnosis at a higher technical level.

IRMA PEREIRA, MT(ASCP)SH

Clinical Hematology Specialist
Lecturer in Hematology
Stanford University Hospital
Stanford, CA

Session # 7
8:30 AM – 12:00 PM
3 Contact Hours
Intermediate

Blood Bank Automation in the Transfusion Service– Who Needs It?

The discussion will include an overview of instruments that can perform type and screens in the transfusion service, how to define your specifications to select the best instrument for your needs, the installation, qualification, operational qualification and performance qualification steps in instrument and process validation, LIS interface issues and post go-live assessments.

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

- List three automated type and screen instruments that are suitable for implementation in a transfusion service,
- Define specifications for instrument selection, and
- Describe Performance Qualification (PQ)

SUZANNE BUTCH, MA, CLDIR

Administrative Manager Blood Bank & Transfusion Service
University of Michigan Hospitals and Health Centers
Ann Arbor, MI

Session # 8
8:30 AM – 12:00 PM
3 Contact Hours
Advanced

Importance of High Purity Water in the Clinical Healthcare

This session focuses on the importance of high purity water in the clinical environment, the standards for different water usage and how they were derived, the technologies used to produce high purity water, the different products on the market, and the importance in regular maintenance of these products.

At the conclusion of the seminar, attendees should be able to:

- Describe the Clinical Lab Water Standards,
- Discuss what techniques are used to produce high purity water for different clinical applications, and
- Identify different types of products in the market that produce clinical grade water and the importance of maintenance of these systems.

JAMES CAMILLERI

Director, Lab Water
Siemens Water Technology
Dexter, MI

Thursday, October 16, 2008

Session # 9
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Clinical Overview of Viral Hepatitis Tumor Biomarkers in Early Detection of Prostate and Breast Cancer

A diagnosis for the causative agent in viral hepatitis requires laboratory testing, as it cannot be determined on clinical grounds alone. This infectious disease hepatitis seminar is targeted as a review for the laboratory technician. The presentation focuses on the biology, epidemiology and serology of hepatitis A, B, and C. Acute and chronic serological profiles are examined, and an explanation of both antigen and antibody involved in the humoral response is provided. At the end of the presentation, attendees should be able to identify the current serological tests available for the clinical assessment of viral hepatitis.

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.

At the conclusion of the seminar, attendees should be able to:

- Describe viral hepatitis, including prevalence, route of infection, and risk factors,
- Outline the differential pathogenesis of infection with recovery versus chronic infection with Hep B and C, and
- Describe the serological and molecular profiles and marker utilization for Hep A, B, and C, including resolved, chronic, and immunized.

- Describe the role PSA plays in the diagnosis and monitoring of prostate cancer,
- Understand the value that ratios and isoforms can play in improving PSA testing, and
- Describe the HER2/neu protein in breast cancer and the value of both tissue and serum - based HER2/neu tests.

MONET N. SAYEGH, MD
Medical Consultant
Siemens Healthcare Diagnostics
Los Angeles, CA

Note that this session is a repeat of Session 5

**Visit the Exhibits
11:30 AM - 3:30 PM**

Session # 10
3:30 PM - 7:00 PM
3 Contact Hours
Intermediate

Emergency Transfusions: Trauma Packs and Massive Transfusion Protocols

The transfusion service's response to emergency and massive transfusion events requires a reasoned and planned response. Topics to be covered include regulatory and accrediting agency requirements for emergency transfusions, definition and response to massive transfusion needs, and massive transfusion when the patient has antibodies. Also discussed is should the emergency department have a blood refrigerator, how can blood be available as the patient moves from the emergency department, radiology and the operating room, what to do with blood shipped with a patient, you want what? – "whole blood equivalent"?

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

- List the regulatory requirements for documentation of emergency transfusions,
- List the elements needed in an effective protocol for managing massive transfusions, and
- Describe the options in providing blood at the patient's bedside in massive transfusion.

SUZANNE BUTCH, MA, CLDIR

Administrative Manager Blood Bank & Transfusion Service
University of Michigan Hospitals and Health Centers
Ann Arbor, MI

Session # 11
3:30 PM - 7:00 PM
3 Contact Hours
Intermediate

Tools for Getting Unstuck

Feeling stuck is an experience common to us all. It stifles our creativity, brings up judgment and anxiety, and wastes a lot of time. Come spend three hours in this highly interactive workshop learning some ways to get out of stuck spots, make decisions you'll feel good about and create the forward motion you need to create the changes you desire. These techniques can be used at a personal level and in organizations (workplaces, boards, families, recreational and creative organizations, etc).

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

- Identify more easily what is keeping them stuck when they get that way,
- Identify some of their core values and use them to make both choosing and taking action easier and more powerful, and
- Find new perspectives on old problems and use those to create and implement change.

TASHA HARMON, CPCC

Life Coach and Facilitator
Portland OR

Thursday October 16, 2008

Session # 12
3:30 PM - 7:00 PM
3 Contact Hours
Intermediate

eGFR - Latest Benchmark for Kidney Disease?

The electronic Glomerular Filtration Rate (eGFR) is a calculation developed to determine if a patient has kidney disease. The presentation will review the current staging of renal disease, the discussion that led to this equation, how it is being used and the controversy surrounding the interpretation of the results. Since pharmacy groups and drug companies are lobbying in every state to mandate the reporting of the eGFR, laboratorians must be prepared for the implementation and the subsequent questions from caregivers and patients alike.

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

- Describe the elements of the eGFR,
- Analyse the strengths and weaknesses of the results, and
- Discuss implementation plans for reporting eGFR.

ELISSA PASSIMENT, EdM, CLS(NCA)

Executive Vice President
ASCLS
Bethesda, MD

**You can't miss the Exhibits!
Last chance to visit .
Friday 11:30 AM - 2:30 PM**

Friday October 17, 2008

Session # 13
8:30 AM – 12:00 PM
2:30 PM - 5:00 PM
6 Contact Hours
Advanced

Peripheral Smears: The Primary Diagnostic Tool: Part II

Enhance your productivity in hematology and gain confidence in your ability to evaluate a peripheral smear, especially when faced with an undiagnosed patient.

Diagnostic ability is essential for the proper evaluation of a patient's hematologic status. Erroneous or inaccurate results can lead to an incorrect diagnosis, causing delayed or inappropriate treatment. Yet each day, you are called upon to analyze cell morphology on peripheral smears without the benefit of a case history, in a rather "blind study" fashion. Attend this intermediate to advanced level lecture to increase your hematological acuity, confidence, and diagnostic ability.

In Part I, more than four hundred images will be used to demonstrate techniques used for peripheral smear diagnosis of all the myeloproliferative disorders. In addition, differential diagnosis exercises, using only peripheral smear findings, will challenge your knowledge and reinforce the information presented.

During Part II, you will hear thought provoking discussions on:

- √ Reactive lymphocytosis vs lymphoma.
- √ The WHO classification of lymphoid leukemia/lymphoma and its rare leukemic variants, including detailed explanations of the morphological differentiation of some B-Cell and T-Cell leukemia/lymphoma disorders.
- √ Peripheralized mature B-cell neoplasms, such as: CLL, CLL/PLL/mantle cell (splenic and nodal), marginal, Burkitt, myeloma (secretory and non-secretory), Waldenstrom, hairy cell, follicular, and diffuse large cell.
- √ Aggressive transformation on CLL to PLL or a Richter's syndrome.
- √ T-Cell lymphoma (Sezary Syndrome, T/NK lymphoma, T-Cell prolymphocytic leukemia, large T-Cell lymphoma, ATCL).

You will also learn techniques for peripheral smear differential diagnosis of all diagnosable anemias, such as the microcytic anemias, macrocytic anemias (megaloblastic, dysplastic, macronormoblastic), and the entrapocellular and intrapocellular hemolytic anemias

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

- Apply improved morphologic skills to more accurately diagnose hematologic problems,
- Assist non-hematologist physicians in understanding patient disorders,
- Alert physicians to unknown hematologic situations, and
- Discuss patient diagnosis at a higher technical level.

IRMA PEREIRA, MT(ASCP)SH

Clinical Hematology Specialist
Lecturer in Hematology
Stanford University Hospital
Stanford, CA

Session # 14
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Transfusion Medicine – The Fun and Games of It All

Join other participants in playing Blood Bank Jeopardy and Millionaire and be declared the NWMLS Game Show Champion while learning (or confirming) your knowledge and understanding of antibodies, ABO and Rh typing, regulations and more. Audience participation is essential.

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

- Describe the routine reaction of five blood group antibodies,
- List problem resolution steps in ABO/Rh typing problems, and
- Identify regulation agency requirements.

SUZANNE BUTCH , MA, CLD_{IR}

Administrative Manager Blood Bank & Transfusion Service
University of Michigan Hospitals and Health Centers
Ann Arbor, MI

Session # 15
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

The Present and Future of Laboratory Medicine – An Ongoing Analysis

Extensive study of the current state of laboratory medicine and science, commissioned by the CDC, offers comprehensive assessment of where we are. There are many initiatives looking at what our laboratories should look like, what kinds of service we should provide and who should provide those services. This presentation will cover the report on our present and take the attendees through a number of possible futures.

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

- Describe the findings of the CDC report,
- List the initiatives investigating the future of laboratory medicine, and
- Evaluate the roles for non-physicians and the business case for some of the services.

ELISSA PASSIMENT, EdM, CLS(NCA)

Executive Vice President
ASCLS
Bethesda, MD

Friday October 17, 2008

Session # 16
8:30 AM - 12:00 PM
3 Contact Hours
Intermediate

Being Fixated on Permanent Stool Stains: How to be Sane in the Insane World of Stool Fixation and Preservation.

Remember the good ole days of mercuric chloride based PVA stool fixatives? The “gold standard” for the fixation of ova and parasites in the preparation of permanently stained smears of stool specimens has been PVA (polyvinyl alcohol) containing the fixative mercuric chloride. Current regulatory bodies highly discourage the use of mercury based fixatives, so we are left with other alternative preservative/fixative choices. The session will begin with a brief review of protozoa encountered in permanent stool stains(Trichrome). The session will then explore the many problems encountered in the laboratory when using the alternative preservative/fixative products. We will then cover solutions to these many problems.

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

- Identify the alternative stool preservative products currently on the market,
- Identify some of the problems encountered when examining permanent stool stains using currently available stool preservatives, and
- Identify and hopefully utilize some of the suggested solutions to the problems encountered using alternative stool preservation techniques.

GERALD HARMON MT(ASCP)

Microbiology Supervisor
Dynacare/Labcorp-James Tower
Swedish Medical Center
Seattle, WA

**Last chance to visit the exhibits.
Friday 11:30 AM - 2:30 PM**

Session # 17
2:30 - 6:00 PM
3 Contact Hours
Intermediate

Patient Safety and the Clinical Laboratory

Do you know the outcome of the laboratory tests performed by your laboratory upon patient care? Do they cause harm, improve quality of life, or result in neither harm nor benefit? Clinical laboratorians have a long history of ensuring the high quality of their services, however, now we are asked to focus upon how the laboratory test is used, and whether the process of performing testing results in harm or benefit to the patient. This session will discuss errors that occur in the laboratory, methods to identify the outcome of those errors, and techniques to improve patient safety.

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

- Describe accreditation requirements for measuring patient safety for health care organizations,
- Given an example, identify appropriate outcomes data to be measured, and
- Develop a measurement methodology to monitor patient safety.

CATHERINE OTTO, PhD., MBA, CLS(NCA)

Associate Professor and Clinical Coordinator
Clinical Laboratory Science Program
OHSU-OIT
Portland, OR

Friday, October 17, 2008

Session # 18
2:30 - 6:00 PM
3 Contact Hours
Advanced

Evidence Based Medicine – A Boon to Laboratory Professionals

This session will examine the concept of evidence based medicine and its implications for laboratorians. Laboratory information can be a source of evidence for health care practice. Evidence based medicine can also help laboratorians institute change in their service.

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

- Define evidence based medicine,
- Discuss examples of how EBM can be used by laboratorians, and
- Analyze opportunities for using EBM in their workplace.

ELISSA PASSIMENT, EdM, CLS(NCA)

Executive Vice President
ASCLS
Bethesda, MD

Session # 19
2:30 - 6:00 PM
3 Contact Hours
Intermediate

C. Diff and Infection Control Update

Information for this session was not available at print time. The description will be posted on the websites at www.asclswa.org and www.oacls.org. Please refer to one of these sites for the session description and objectives.

DR KANE
DANA BARRON
ANNE EADES

Saturday, October 18, 2008

Session # 20
8:30 AM – 12:00 PM
3 Contact Hours
Advanced

The Electronic Health Record: Past, Present, Future, and the Impact on the Clinical Laboratory

This session will describe the drivers for change which are leading to the implementation of electronic health record systems across the country. In addition, the attendee will be afforded the opportunity to view what a clinical electronic health record system looks like in use and how the laboratory component is integrated into the workflows. Ways in which laboratory professionals can get involved in the implementation and maintenance will also be discussed.

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

- Discuss the drivers for change which are leading to the implementation of electronic health record systems,
- Discuss the challenges in implementing an electronic health record system,
- Describe the laboratory component of an electronic health record system and ways in which laboratory professionals can be involved in the design, implementation, and ongoing maintenance of the system, and
- Discuss the future role of Laboratory Information System Specialists as the health care world becomes more integrated.

Lessons Learned from Starbucks: Making ASCLS Extraordinary

The Starbucks Corporation has revolutionized the personalized customer experience model. Their five principles for turning ordinary into extraordinary to grow their business and customer base has direct application to ASCLS. This session will explore how ASCLS can take advantage of those lessons learned and apply them to our situation to grow our organization.

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

- Discuss the Starbucks business model used to transform ordinary into extraordinary,
- Discuss the five key leadership principles and their application ASCLS, and
- Describe ways in which ASCLS can apply these five principles to grow our organization.

SCOTT E. AIKEY, MS, CLDIR/CLS(NCA)

ASCLS President
Sr. Solutions Consultant
The Children's Hospital of Philadelphia
Cherry Hill, NJ

Session # 21
8:30 AM – 12:00 PM
3 Contact Hours
Advanced

Personnel Management for Supervisors

You have recently been promoted to a supervisory position, now your role at work shifts from performing laboratory tests in a timely and accurate manner to helping others to perform their work in an accurate and timely manner. Effective communication skills are vital for creating an enjoyable working environment that allows employees to perform at their best. Using a pragmatic approach, this session will incorporate theories and concepts with practical applications for the following topics: motivation, morale, dealing with conflict, handling problems and disciplining. This session will use lecture, case studies and in-class activities for learning.

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

- Describe methods to enhance employee motivation and work place morale,
- List and describe steps to improve employee performance, and
- Given a situation, identify the primary problem and describe possible methods for resolution.

CATHERINE OTTO, Ph.D., MBA, CLS(NCA)

Associate Professor and Clinical Coordinator
Clinical Laboratory Science Program
OHSU-OIT
Portland, OR

Session # 22
8:30 AM - 4:30 PM
6 Contact Hours
Intermediate

Biosafety and Biosecurity For Clinical Laboratories

In this era of threatening natural and human-made biological emergencies from terrorism to Pandemic flu, it is essential that laboratories be safe and secure. The biosafety sessions of this program will identify key concerns of laboratory biosafety, focusing on biosafety level 3 (BSL3) practices in a BSL2 environment, proper use of personal protection equipment (PPE), biological safety cabinets (BSCs), and conducting risk assessments. The biosecurity session will present laboratory security principles described in the 5th edition of the Biosafety in Microbiological and Biomedical Laboratories (BMBL) manual. You will also learn how to conduct vulnerability assessments and develop a good biosecurity plan. Finally, through the use of case studies and activities you will be able to apply these principles and concepts to the clinical laboratory.

At the conclusion of this program, the participants will be able to:

- Explain the relationship between biosafety and biosecurity,
- Describe how to use BSL3 practices in a BSL2 laboratory,
- List the elements of biosecurity and biosafety plans, and
- Explain the risk assessment processes for both biosafety and biosecurity.

SHELLEY K LANKFORD

Training Program Manager
Washington State Department of Health, Public Health Laboratories
Shoreline, WA

Session # 23
8:30 AM – 12:00 PM
3 Contact Hours
Intermediate

“A Tiny Pinch”-The Legalities Associated with Phlebotomy Procedures

“This won’t hurt a bit”.....”or will it hurt for a very long time”?

In this session we will explore real legal cases involving phlebotomy related injury and their outcomes. In addition, also ways to avoid becoming involved in a lawsuit-as a phlebotomist AND as a consumer! Knowledge of CLSI standards helpful but not necessary.

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

- Describe the latest CLSI standards as phlebotomy goes,
- Define basic legal application/law as far as malpractice is concerned in phlebotomy, and
- Describe the potential harm that can be done to a patient by an inexperienced and/or uneducated phlebotomist.

LISA G. COUNTRYMAN-JONES BS MT(ASCP) CLS, CPT (NCA)

Clinical Laboratory Coordinator for PCC MLT program
Portland Community College
Portland, OR

Saturday, October 18, 2008

Session # 24
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Free Light Chain Assay for Diagnosis and Monitoring of Multiple Myeloma and Other Monoclonal Gammopathies

The serum free light chain assay, Freelite™, is a highly specific, quantitative and fully automated approach to measure free lambda and kappa light chains in the serum. The sFLC assay provides a sensitive indicator of patient status in the diagnosis, treatment and remission of Multiple Myeloma and other B-cell dyscrasias. Concepts of the biology of free light chain processing in vivo as it affects test results in clinical samples will be presented. Utilization of the free light chain assay and k/l free light chain ratios for risk stratification, diagnosis and monitoring of monoclonal gammopathies and updates on recent studies that describe the utility of the sFLC assay for patient management will be discussed.

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

- Describe the role of the sFLC assay in the diagnosis and monitoring of patients with MM and other B-cell dyscrasias,
- Describe the processing of free light chains in vivo, and
- Describe how the sFLC assay and k/l free light chain ratios are utilized for risk stratification, diagnosis and monitoring of monoclonal gammopathies.

ANNE L. SHERWOOD, PhD

Technical Director
The Binding Site, Inc.
San Diego, CA

Session # 25
1:00 - 4:30 PM
3 Contact Hours
Intermediate

Advances in Stem Cell Therapies

The session will focus on the current use of stem cells in the treatment of human disease. The first half of the program will focus on hematopoietic stem cells. The biology of hematopoietic cell differentiation will be reviewed as well as the history of stem cell transplantation. Peripheral blood stem cell collection, processing, and infusion will be detailed. The significance of ABO and HLA matching between donor and recipient will be discussed. The second half of the program will focus on the potential uses of non-hematopoietic stem cells, including mesenchymal stem cells. The pathobiology of unique diseases that may benefit from therapeutic stem cell applications will be discussed. Challenges, opportunities, and initial trials for this emerging therapeutic option will be examined.

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

- Select appropriate donors for recipients of hematopoietic stem cells.
- Detail the steps in procuring and transplanting peripheral blood stem cells
- Discuss emerging uses for various types of human stem cells

LANCE D. TRAINOR, MD

Medical Director
Community Blood Center
Appleton, WI

EXHIBITORS & EXHIBIT HALL INFORMATION

Once again, the leading manufacturers and distributors will gather at Columbia Conference Center at the Portland Airport Holiday Inn to display their wares. This will be the 25th year that most of our vendors have participated in the NW Medical Laboratory Symposium to provide access for Clinical Laboratorians to the newest products and demonstrate the ability for aiding in the diagnosis and health care of the public.

In addition to the demonstrations in the Exhibit Hall, the Abbott freightliner, the Beckman Coulter van, and the Roche and Siemens freightliners will be in the hotel parking lot with larger pieces of equipment for display.

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 websites.

Abbott Diagnostics	Millipore Corporation
Antek HealthWare	Modern Laboratory Services, Inc.
BD Diagnostics & Pre-Analytical	Nanogen, Inc.
Beckman Coulter, Inc.	Olympus America, Inc.
Bio-Rad Laboratories	Ortho-Clinical Diagnostics
Cardinal Health	P.A.L.C.O.
Cepheid	PAML-PACLAB
Diagnostica Stago, Inc.	Quest Diagnostics Inc.
DiaSorin	Remel Inc.
Focus Diagnostics	Roche Diagnostics
Genzyme Diagnostics	Siemens Healthcare Diagnostics
Hardy Diagnostics	Siemens Water Technology
Horiba-ABX Diagnostics	Streck
Inova Diagnostics, Inc.	Sysmex
Instrumentation Laboratory	TechGroup Inc.
Inverness Medical	The Binding Site
Iris Diagnostics	TimeMed Labeling Systems, Inc.
Kaiser Permanente	Tosoh Bioscience, Inc.
L.E.S.S., Inc.	TREK Diagnostic Systems
Mayo Medical Laboratories	Lab Medicine-University of Washington

EXHIBIT HOURS

WEDNESDAY, OCTOBER 24	EXHIBIT OPENING	11:30 A.M. – 3:30 P.M. Beverages & Hors d'oeuvres
THURSDAY, OCTOBER 25		11:30 A.M. – 3:30 P.M. Beverages & Hors d'oeuvres
FRIDAY, OCTOBER 26	EXHIBIT CLOSING	11:30 A.M. – 2:30 P.M.

EXHIBITOR PRODUCT LIST

Abbott Diagnostics: Architect i1000; c4000; ci8200.

BD Diagnostics & PreAnalytical Systems: BD BACTEC Fx Blood Culture System; Push button Wingset; Contact Activated Lancet; Luer Lok Access Device; Urine Collection Products.

Beckman Coulter, Inc.: TOP500 Coag Analyzer; LH780; Dxc880i Chem/IA Platform.

Bio-Rad Laboratories: MRSA Select; CandiSelect 4; TOS/See; Liquid Diabetes Control; Evolis; D-10 with rack loader.

Cardinal Health

Cepheid: GeneXpert System.

Diagnostica Stago, Inc.: Coagulation instruments and reagents.

DiaSorin: Vitamin D Total assay; Liaison Treponema assay.

Focus Diagnostics: Infectious and immunological disease diagnosis.

Genzyme Diagnostics: Rapid glue test; Trichomonas test; Bacterial Vaginosis test; Ultra Strep A.

Hardy Diagnostics: Elution Swabs; Rapid Tests & Reagents; Carrot Broth; Gram Stain Advanced; HardyChrom; HardyDisks.

Horiba ABX Diagnostics

INOVA Diagnostics

Instrumentation Laboratory

Inverness Medical: Binax Flu, RSV; QuickChek CD, Leuko EZVue; Clearview HIV; Triage ProBNP, D-dimer, TOS, Cardiac; Cholestech POC Lipid Analyzer; Inratio POC PT/INR Meter.

Iris Diagnostics: iQ200.

Kaiser Permanente

L.E.S.S., Inc.

Mayo Medical Laboratories: Reference Laboratory Services.

Millipore Corporation: Elix Water System; Milli-Q Integral; BioPak Clinical.

Modern Laboratory Services, Inc.: Siemens (Dade-DPC); Tosoh Bioscience; Sysmex America; Dimension & Immuno Analyzers; G-7 A.C. Analyzer; xs1000i Hematology Analyzer.

Nanogen, Inc.: Cardiac STATUS; Tox STATUS.

Olympus American, Inc.: New AU680 Chemistry system; AU3000i Immuno Chemistry system; New Automation (Track) System.

Ortho-Clinical Diagnostics: VITROS 5,1 Fusion; VITROS ECiQ; VITROS 350; PROVUE/GEL ID-MTS.

Portland Area Laboratory Consortium for Continuing Education

PAML-PACLAB: Clinical Laboratory Testing; PLAC Testing.

Quest Diagnostics Inc.: Newest Assays in Hematology/Oncology; Celiac and IBS Testing.

Remel Inc.: Part of ThermoFisher Scientific.

Roche Diagnostics: COBAS® 6000; C311.

Siemens Healthcare Diagnostics: Dimension® RxL Analyser' Advia® 1800 Chemistry System; Stratus® Acute Care™ Diagnostic System; ADVIA® Centaur® XP Immunoassay System; Microscan® WalkAway® Plus; Advia® 2120 Hematology System.

Siemens Water Technologies

Streack: Manufactures hematology, chemistry, and immunology products for the clinical laboratory.

Sysmex: Hematology, chemistry, and urinalysis products.

TechGroup Inc.: Nationwide Laboratory Staffing.

The Binding Site Inc.: Freelite™ Free Light Chain Assay; DSX Automated 4 Plate ELISA Analyzer.

TimeMed Labeling Systems, Inc: Healthcare labeling.

TOSOH Bioscience: Immunoassay; HPLC; and Molecular Diagnostic testing.

TREK Diagnostic Systems: Vizion System.

Laboratory Medicine-University of Washington

For Exhibit Information: Contact **Karen Bennett** at kebenn@casco.net

Registration Terms and Conditions

Please Register Early! A registration packet will be prepared for individuals that preregister for the meeting. Please pick up this packet at the Registration Desk prior to your first session.

Fees: All fees listed on the following page apply only to those registrations postmarked before September 26, 2008. On-site registrants will be assessed a \$10.00 on-site registration fee. A late fee is not charged for registrations postmarked after the deadline, however, registering prior to the deadline insures that you will be registered for the class and we will have your packet prepared. Lunch is included in an all day registration, which is defined as a morning and an afternoon session on the same day. Lunch is **NOT** guaranteed for late registrations or for on-site registrants. Receipts will be included in each registration packet.

To receive Member rates, a copy of your current membership card must be included with the registration form. Member rates are available to new members of ASCLS and/or AMT. If you are a new member and send your application directly to ASCLS or AMT, please include a copy with your registration form to assure eligibility for this rate. Please bring your membership card with you to the meeting.

ATTENDANCE CATEGORIES

Member: Any person who is a current Professional I or Professional II member in good standing of the American Society for Clinical Laboratory Science, or a member of the American Medical Technologists.

Collaborative Member: Any person who is a current Collaborative member in good standing of the American Society for Clinical Laboratory Science.

Student: Any person who is engaged, at least half-time, in a recognized Clinical Laboratory Science Program leading to either an Associate or Bachelor degree, or one who is in an internship in Clinical Laboratory Science.

Phlebotomist: Defined as any person whose primary responsibility is phlebotomy. The Phlebotomist nonmember category would also apply to medical assistants, LPN, RN, or on-the-job trained individuals working in a physician office laboratory, but does not apply to MT or MLT. AMT's RMA category is eligible for this attendance category.

PAYMENT

Full payment must accompany all registrations. Those registrations received without full payment will be held and the registrant notified. No further action will be taken on these registrations until full payment is received. Please remit in U.S. Dollars only. No credit card payments can be accepted. If you wish a confirmation, please enclose a self addressed stamped envelope or you may request confirmation by e-mail. Please print your e-mail address clearly. Due to the NWMLS financial obligations, there will be **NO REFUNDS.**

Committee members are volunteers and work on the NWMLS outside of their normal working hours. The 2008 Symposium Committee reserves the right to cancel any session due to low registration or speaker conflicts. Changes will be posted on the Oregon and Washington web site (www.asclswa.org or www.ascls9.org). Every effort will be made to contact registrants to select an alternate session.

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

2008 Northwest Medical Laboratory Symposium
 October 15 - 18, 2008
 Holiday Inn Portland Airport, Portland, Oregon
Please Postmark by September 26, 2008

PLEASE PRINT AND SHOW NAME (as wanted on name badge)

Membership Affiliation To receive member rates you must submit a photocopy of your membership card along with the registration form ASCLS # _____ AMT # _____

First Name _____ Last Name _____
 Address _____
 City/State/Zip _____
 Day Phone () _____ Evening Phone () _____
 Institution _____ City / State _____
 E-mail Address _____

Please Circle All Sessions You Plan to Attend

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

Would you be willing to serve as a Moderator for any of the sessions you will be attending? <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Check here if you prefer a vegetarian meal.
--

ADVANCE REGISTRATION FEE SCHELDULE (All Full-Day Preregistration INCLUDE lunch)

Member AMT or ASCLS, PFI and PFII (Please see above membership affiliation box)

Technical/Administrative Professional			
Full Day	_____ days	@ \$ 90.00	\$ _____
Half Day	_____ half days	@ \$ 45.00	\$ _____
Phlebotomist/RMA/COLT			
Full Day	_____ days	@ \$ 40.00	\$ _____
Half Day	_____ half days	@ \$ 20.00	\$ _____
Student/Emeritus/Honorary			
Full Day	_____ days	@ \$ 35.00	\$ _____
Half Day	_____ half days	@ \$ 20.00	\$ _____

Collaborative ASCLS Member

Full Day	_____ days	@ \$125.00	\$ _____
Half Day	_____ half days	@ \$ 75.00	\$ _____

NonMember

Technical/Administrative Professional			
Full Day	_____ days	@ \$160.00	\$ _____
Half Day	_____ half days	@ \$ 80.00	\$ _____
Phlebotomist/RMA/COLT			
Full Day	_____ days	@ \$ 70.00	\$ _____
Half Day	_____ half days	@ \$ 35.00	\$ _____
Student NonMember			
Full Day	_____ days	@ \$ 35.00	\$ _____
Half Day	_____ half days	@ \$ 20.00	\$ _____

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

APPLICATION FOR MEMBERSHIP
American Society for Clinical Laboratory Science

First Name	Last Name	Date of Application	
Home Address	City	State/Province/Postal Code	Country
() Receive ASCLS mail at <input type="checkbox"/> home <input type="checkbox"/> business address <input type="checkbox"/> permanent address			
Home Phone			
Company (If Student, skip this line)		Department	
Address (If Student, Permanent Address)	City	State/Province/Postal Code	Country
E-Mail Address		() Telephone	() Fax

Have you ever been a member of ASCLS? ____Yes ____No Membership Number _____

SCIENTIFIC ASSEMBLY

Please tell us which Scientific Assembly sections you would like to join. ASCLS's Scientific Assembly sections provide an opportunity for members to network within their own scientific discipline. There is no additional fee for participation. (choose one primary and one secondary interest)

PRIMARY	SECONDARY INTEREST	CERTIFYING AGENCY AND DESIGNATION:
__ (01)	__ (01) biochemistry/urinalysis/ligand immuno-assay	(4) __NCAMLP __ (a) CLS __ (b) CLT __ (c) other
__ (02)	__ (02) microbiology	(5) __AMT __ (a) MT __ (b) MLT __ (c) other
__ (03)	__ (03) laboratory administration	(6) __ASCP __ (a) MT __ (b) MLT __ (c) other
__ (04)	__ (04) immunology/immunohematology	(7) __HHS __ (b) CLT __ (c) other
__ (06)	__ (06) Histology	(8) __ISCLT __ (a) RMT __ (b) RLT __ (c) other
__ (07)	__ (07) hematology/hemostasis	(9) __Other:
__ (09)	__ (09) industry	
__ (10)	__ (10) education	
__ (12)	__ (12) phlebotomy	
__ (13)	__ (13) cytotechnology	
__ (14)	__ (14) consultant	
__ (15)	__ (15) inspector/surveyor	

POSITION (circle one)
 (P) Lab Director (Admin)
 (N) Lab manager
 (A) Tech. supervisor
 (M) Staff Technologist (CLS)
 (4) Staff Technician (CLT)
 (t) Phlebotomist
 (6) Laboratory Assistant
 (I) Faculty Member/Instructor
 (K) Program Director
 (L) Consultant
 (U) Inspector/Surveyor
 (2) Marketing/Sales
 (J) Other

SPECIALTY AREA (circle one)
 Quality Assurance Control
 Proficiency Testing
 Infection Control
 Safety/HAZ MAT
 Total Quality Management
 CLIA Compliance
 Laboratory Utilization
 Laboratory Reimbursement
 Lab Information Systems
 Risk Management (Facility Wide)
 Patient/Physician Services
 Research
 Author/Reviewer

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

Employment Status: __FT __PT __STU __UNEM __Retired
 Highest Degree: __H.S. __Assoc. __Bach. __Masters __Ph.D.
 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 tax return.

(ASCLS membership is from the **date of payment to the next July 31.**)

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 - \$95; Professional II - \$72; **plus** State Dues: (see schedule below)

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: (see schedule below)

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 **plus** States Dues: (see schedule below)

*Persons residing in foreign countries are not eligible for these categories—only the Professional I categories.

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 _____

State Dues Professional I & II

AK, ID, OR, WA

\$10

Other States .. Please check on the ASCLS web site for correct state fees.

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

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 _____

E-Mail Address _____

Employer _____

Students: Name of Institution where enrolled: _____

Major or name of training program: _____

Please circle the certification you are interested in:

MT MLT RMA Phlebotomist Certified Office Lab Technician

Mail to: Barbara Ware, MT(AMT)
Western District Councillor
PO Box 8179
Roswell, NM 88202

The 2008 NWMLS Program and a registration form are available on the Internet at the following URLs:

<http://www.asclsr9.org>
<http://www.asclswa.org>
<http://www.oacis.org>

Updates and other information will be provided through these sites. Please check these sites periodically for updates on any session changes. This is especially important if you have not pre-registered because we have no other way to notify you.

Plan to Attend

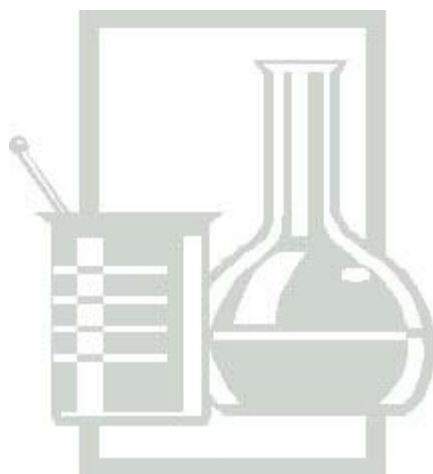
Oregon Laboratory Seminar
September 17 - 19, 2009
Newport, OR

ASCLS-WA / NWSSAMT Spring Seminar
April 2009
Spokane, WA

AACC / ASCLS National Meeting
July 21 - 25, 2009
Chicago, IL

AMT National Meeting
June 22 - 27, 2009
Minneapolis, MN

Northwest Medical Laboratory Symposium
October 2009
Seattle, WA



At A Glance

Wednesday, October 15, 2008				
	1	2	3	
8:30 AM to 12:00 PM	Celiac Disease	Safety Training	HLA Typing	
<i>Exhibits: 11:30 AM - 3:30 PM</i>				
	4	5		
3:30 PM - 7:00 PM	Problem Solving Gel Tech	Viral Hepatitis Tumor Markers		
Thursday, October 16, 2008				
	6	7	8	9
8:30 AM to 12:00 PM	Peripheral Smears Part 1	Blood Bank Automation	High Purity Water	Viral Hepatitis Tumor Markers repeat of #5
<i>Exhibits: 11:30 AM - 3:30 PM</i>				
	6	10	11	12
3:30 PM - 7:00 PM	Peripheral Smears Part 1 cont Start at 2:30 PM	Emergency Transfusions	Tools for Getting Unstuck	eGFR
Friday, October 17, 2008				
	13	14	15	16
8:30 AM to 12:00 PM	Peripheral Smears Part 2	Transfusion Medicine	Present & Future Lab Medicine	Permanent Stool Stains
<i>Exhibits: 11:30 am - 2:30 PM</i>				
	13	17	18	19
2:30 PM - 6:00 PM	Peripheral Smears Part 2 cont	Patient Safety	Evidence Based Medicine	C Diff and Infection Control
Saturday, October 18, 2008				
	20	21	22	23
8:30 AM - 12:00 PM	Electronic Health Record / Starbucks	Personnel Management	Biosafety & Biosecurity	Legalities with Phlebotomy
	24	25	22	
1:00 PM - 4:30 PM	Free Light Chain Assay	Stem Cell Therapies	Biosafety & Biosecurity cont	

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2008 Northwest Medical Laboratory Symposium

Holiday Inn Portland Airport
Portland, Oregon
October 15 - 18, 2008