



2011
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

Lynnwood Convention Center
Lynnwood, WA
October 12 - 15, 2011

Welcome to the 2011 Northwest Medical Laboratory Symposium

It won't be long until the leaves on the trees begin showing their glorious fall colors, the temperatures begin cooling off and the prime autumn opportunity for continuing medical laboratory education and professional networking is upon us. The NWMLS committee, composed of medical laboratory professionals from throughout the northwest, has once again planned a dynamic program. The American Society for Clinical Laboratory Science (ASCLS) and the American Medical Technologists (AMT) invite you to join us in Lynwood, Washington for this year's Symposium October 12 – 15, 2011.

Our clients, patients and colleagues in the allied health professions rightfully expect and deserve for us, as medical laboratory professionals, to maintain our professional credentials and competency. One means of doing this is to stay abreast of the latest developments in technology and testing. The NWMLS provides an excellent means of accomplishing this responsibility. Seminars covering topics in every aspect of laboratory medicine, from research to testing to management, are provided during this outstanding Symposium.

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

Not to be missed is the Exhibit Hall. This opportunity to meet laboratory industry vendors face to face and learn of the latest technological developments is always a highlight of the NWMLS. These industry representatives are available for you to visit with in a low intensity setting. They will be happy to hear and respond to your questions. Please thank them for their continuing support of the NWMLS in the sponsorship of our speakers and breaks.

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

Kenneth Hawker
AMT Western District Councillor

Shellie Smith
Director, ASCLS Region IX

The 2011 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.

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Handouts ONLY Available On-line

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

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

Special Member Registration Rates

Any person currently a member in good standing of the following organizations can qualify for special member registration rates for the meeting (see page19):

AABB (American Association of Blood Banks)

- AACC (American Association for Clinical Chemistry)
- ASC (American Society of Cytology)
- ASCP (American Society of Clinical Pathologists) Laboratory Professional Membership Category NOTE: Certification through ASCP only does NOT qualify you for "Special Member" rates.
- ASCT (American Society for Cytotechnology)
- ASH (American Society of Hematology)
- ASM (American Society of Microbiology)
- CLMA (Clinical Laboratory Management Association)

Remember to submit a copy of your membership card with your registration form.

NWMLS Committee

General Chair	Leonard Kargacin Marlene Wakabayashi
Program	Victoria Robbe (Chair) Cara Cavo Justin Kwong Jack Messner Kim Mennie Leslie Nakagawa Brian Poon
Exhibits	Brenda Kochis Linda Breiwick
Pre-Registration	Brenda Kochis
On-Site Registration	Jeanne Johnson (Chair) MiLim Kim Edith Milan Karen Munn
Program Design	Brenda Kochis
Finance	Toni Okada
A/V	Roxanne Erskine Linda Wilkins
Moderators	Roxann Gary
Hospitality	Trisha Gosciowski
Sponsors	Margie Vaccaro
Webmaster	Brenda Kochis
Advisor	Donna Reinbold

ASCLS - Region IX

Regional Director Shellie Smith

Region IX Forum Friday, October 14, 2011
6:30 - 7:30 PM

ASCLS-OR

President	Heidi Smith
President Elect	Open
Secretary	Helen Wand
Treasurer	Krista Moore

ASCLS-OR Board Meeting
Friday, October 14, 2010 Follows Region IX Forum

ASCLS-Washington

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

ASCLS-WA Board Meeting
Friday, October 14, 2011 Follows Region IX Forum

CLSA

President	Constance Stager
President Elect	Shannon Billings
Past President	Gloria Tomich

Western District of American Medical Technologists Officers and Business Meetings

Western District Councillor Kenneth Hawker, MT(AMT)

OreAMT

President	Louise Isbell
Secretary	Audrienne Whitley
Treasurer	
Past President	Marilyn Albertsen

OSSAMT Board Meeting Thursday, Oct 13, 6:30 am
OSSAMT Business Meeting Friday, Oct 14, 5:30 pm

NWSSAMT

President	Jo Abraham
Vice President	C. Ron Cato
Secretary	Linda Wilkins
Treasurer	Roxanne Erskine

NWSSAMT Board Meeting and Business Meeting
Friday, Oct 14, 2011, 5:30 pm

General Information

Registration Hours

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

Coffee Breaks

Fifteen minutes each

Wednesday	10:00 AM - 10:15 AM 3:30 PM - 3:45 PM
Thursday	10:00 AM - 10:15 AM 3:30 PM - 3:45 PM
Friday	10:00 AM - 10:15 AM 3:30 PM - 3:45 PM
Saturday	10:00 AM - 10:15 AM 2:30 PM - 2:45 PM

Exhibit Hours

Wednesday	11:30 AM - 2:00 PM
Thursday	11:30 AM - 2:00 PM 5:00 PM - 7:00 PM
Friday	11:30 AM - 2:00 PM

Session Accreditations

P.A.C.E.® and AMTIE credits have been approved for all appropriate sessions. ASCLS-WA is approved as a provider of continuing education programs in the clinical laboratory sciences by the ASCLS P.A.C.E.® Program. ASCLS-WA will 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. NWSSAMT is the approved provider for AMTIE CECs and insures that these educational presentations confirm to standards established by AMTIE.

Lunch

Wednesday	11:45 AM - 12:45 PM
Thursday	11:45 AM - 12:45 PM
Friday	11:45 AM - 12:45 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 - 11:45 AM 2:00 PM - 5:15 PM
Thursday	8:30 AM - 11:45 AM 2:00 PM - 5:15 PM 7:00 PM - 8:30 PM
Friday	8:30 AM - 11:45 AM 2:00 PM - 5:15 PM
Saturday	8:30 AM - 11:45 AM 1:00 PM - 4:15 PM

Lynnwood Convention Center



Lynnwood Convention Center

3711 196th Street SW
Lynnwood, WA 98036

Toll Free: 888-778-7155

Fax: 425-778-7965

Website: www.lynnwoodcc.com

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

DIRECTIONS FROM SEATTLE:

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

DIRECTIONS FROM EVERETT:

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

DIRECTIONS FROM EASTSIDE/BELLEVUE

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

Best Western Alderwood Hotel



Hotel Information

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

September 24, 2011.

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

Best Western Alderwood Hotel

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

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

The Hotel will honor the following overnight room rates:

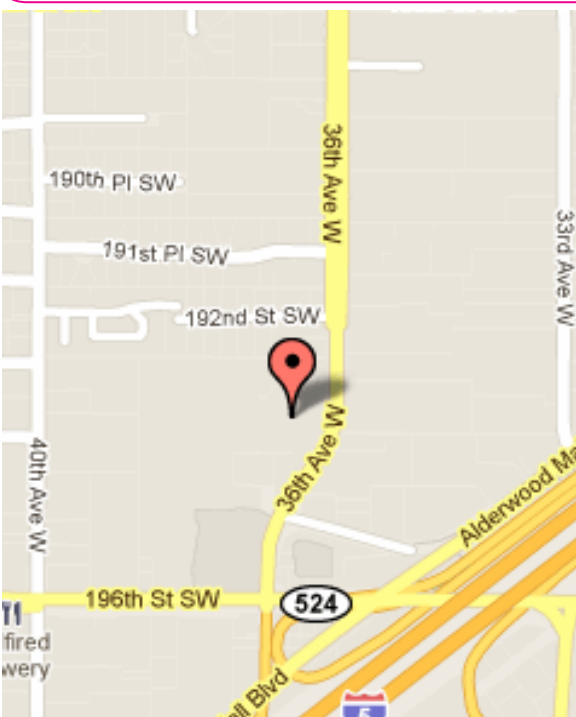
\$69.00 for single occupancy
\$69.00 for double occupancy

Note: There is an addition \$10.00 per person charge for the 3rd and 4th person.

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

Reservations: Call the hotel at 1-800-205-6935 or 1-425-775-7600. You must request the ASCLS-Washington group rate to obtain the listed room rate. The group rate will be honored until **September 24, 2011.**

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



Session # 1

8:30 AM - 11:45 AM
3 Contact Hours
Advanced

Utility of Middleware in the Hematology Laboratory

The workflow optimization due to middleware will be discussed. We will also be looking at the connectivity of middleware solutions for Hematology as well as discussing its workflow benefits.

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

- ✓ Describe auto-validation,
- ✓ Discuss the connectivity of middleware solutions for Hematology, and
- ✓ Discuss the workflow benefits of middleware solutions in the Hematology Laboratory.

RITA WHITE, MT(ASCP)SH

Marketing Manager
Siemens Healthcare Diagnostics
Newark, DE

Sponsor: Siemens Healthcare Diagnostics

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. We will cover the general design of flow cytometers, basic immunology, and phenotypes of various neoplasms as well as explore how cytometers are used to help evaluate other diseases and therapies.

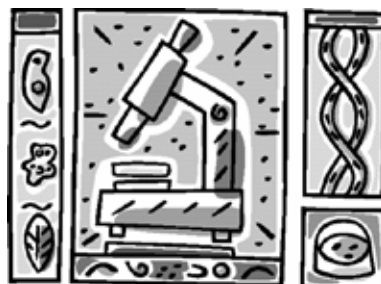
At the end of the session, participants will be able to:

- ✓ 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 lymphoma and leukemias.

DAVE OSBORN, MT(ASCP)

Senior Cytometry Account Manager
Beckman-Coulter
Miami, FL

Sponsor: Beckman Coulter, Inc.



Session # 2

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

The Changing Face of Pediatric Pathology

In this session we will review current approaches to the practice of pediatric (to include prenatal and perinatal) anatomic pathology, using experiences gained from our autopsy service. I will show how advances in clinical care and pathologic diagnosis must move in parallel fashion, in order to provide the best care for our patients and their families.

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

- ✓ Describe the current approach to the prenatal/perinatal/pediatric autopsy,
- ✓ Discuss how new technological methods are applied to the study of infant and childhood disease, and
- ✓ Discuss how advances in clinical care and pathology practice move in parallel to provide the best care for our patients and their families.

JOSEPH R. SIEBERT, PhD

Director of Autopsy Services
Professor of Pathology and Pediatrics
Seattle Children's Hospital and University of Washington
Seattle WA

Session # 3

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Multiculturalism in the Workplace

This highly interactive session is not your typical talk about diversity. We will explore concepts and strategies you can apply to your work life immediately. With the goal to develop a better understanding of ourselves and others, topics will include: communication in a multicultural setting, the impact of multiculturalism on leadership style, the benefits of a multicultural workplace, and how to create it.

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

- ✓ Define and identify multicultural issues,
- ✓ Discuss multicultural issues in the workplace, and
- ✓ Apply strategies to create a more multicultural work environment.

LAURA PORTOLESE DIAS

Professor
Shoreline Community College
Seattle, WA

Wednesday, October 12, 2011

Session # 4

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Genetic Testing – Principles, Methods, & Applications for Personalized Medicine

Genetic testing, a major new technique to improve “personalized medicine”, is now successfully used to:

- Determine the variable genetic sensitivity to drugs in individuals in order to provide appropriate dosing and prevent toxic side effects, as well as to insure that drug dose levels will be clinically effective, and
- assess risk of a future disease, as well as monitor therapy in affected patients.

Genetic testing to evaluate drug therapy (Warfarin, Tamoxifen, and Plavix) will be discussed as well as genetic testing to evaluate estrogen hormone replacement therapy (HRT) and risk of breast cancer. Also discussed will be the use of individual genetic information to diagnose and monitor therapy in Multiple Sclerosis.

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

- ✓ Describe basic procedure for gene testing: extraction / amplification / identification,
- ✓ Outline several different methods of gene variant identification after amplification, and
- ✓ Describe how genetic testing may be a key to the new “personalized medicine” approach to patient treatment, e.g. pharmacogenetics, cancer risk prediction, etc.

LAURANCE FERRERI, PhD
Laboratory Director
Ferreri Lab Consulting
Bothell, Washington

Don't Forget!
Visit the Exhibits
11:30 AM to 2:00 PM

Do you have your P.A.C.E. questions?

Session # 5

2:00 - 5:15 PM
3 Contact Hours
Intermediate

Testing for Drugs of Abuse

The discussion of the use of lab testing for drugs of abuse in the setting of opioid therapy for chronic pain will cover topics such as the “pain contract”, lab testing for compliance of opioid therapy, testing for inappropriate substances (abuse), interpretation of results, use of medical marijuana, and consideration of the patient.

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

- ✓ Describe the use of a “Pain Medication Treatment Agreement”,
- ✓ Discuss appropriate use of testing (who/how often), and
- ✓ Consider the place of testing in the greater context of the patient and his/her pain.

BRENDAN R. O’DONNELL, MD, MA

Assistant Professor
University of Washington
Seattle, WA

JANE DICKERSON, PhD

Sr Fellow
University of Washington Medical Center
Seattle, WA

TOM MARTIN, MD

Director: Med Tox Consult Service, Emergency Medicine
University of Washington
Seattle, WA

Session # 6

2:00 - 5:15 PM
3 Contact Hours
Intermediate

Newborn Screening: Lab Tests and a Whole Lot More

We will present a holistic overview of the newborn screening system in Washington from collecting the specimen at the hospital or clinic through assuring appropriate specialty care for infants found to have one of the conditions on the screening panel. We will emphasize the critical role of Medical Technologists and Technicians in helping to “save babies”

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

- ✓ Describe the newborn screening system,
- ✓ Outline the important role of Medical Technologists and Technicians in this system, and
- ✓ Describe the impact that evolving laboratory technology has had on newborn screening since its inception.

MICHAEL GLASS, MS

Director, Newborn Screening

SANTOSH SHAUNAK, BS

Newborn Screening Laboratory Coordinator

SHEILA WEISS, MS

Newborn Screening Program Coordinator

BILL HOFFMAN, BS

Newborn Screening Laboratory Lead
Washington State Department of Health
Shoreline, WA

Sponsor: The Washington Department of Health

Wednesday, October 12, 2011

Session # 7

2:00 - 5:15 PM
3 Contact Hours
Intermediate

Identifying and Mitigating Risks in the Laboratory: How Compliance with Fraud and Abuse, HIPAA, and Other Lab Regulations Protect the Lab

Compliance with Medicare and OIG regulations as well as HIPAA Privacy and Security Rules can be significant risk issues and should not be taken lightly in today's laboratory environment. Responsibility for regulatory compliance cannot rest only with the lab's or the facility/organization's "compliance officer". Every laboratorian should be aware of his/her personal responsibility for compliance as well as their opportunity to help their laboratory have an effective compliance program.

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

- ✓ Identify potential risk issues for laboratories today,
- ✓ Describe new compliance and HIPAA-related requirements for laboratories, and
- ✓ Ask questions about specific issues they are facing in their laboratory.

MARGUERITE BUSCH, BS/MT (ASCP), MA

VP/Chief Compliance and HIPAA Privacy/Security Officer and Director of Risk Management
PAML
Spokane, WA

Sponsor: Pathology Associates Medical Laboratories

Session # 8

2:00 - 5:15 PM
3 Contact Hours
Intermediate

Red Cell Genomics, Neonatal Transfusion Medicine and Clinical Trials in Transfusion Medicine

Participants in this session will be exposed to the testing of blood groups using molecular technology. The second lecture will cover neonatal transfusion medicine special products, special processing and adverse events. The third hour will focus on clinical trials currently underway that will help answer some of the more important questions in transfusion medicine, such as, is fresh blood really better?

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

- ✓ Describe two blood groups genetic basis, as well as the clinical ramifications of genetic testing,
- ✓ Explain why neonatal patients have transfusion requirements that are distinct from adult transfusions.,
- ✓ Describe how red cell storage age is being studied using clinical trial design.

MEGHAN DELANEY, DO, MPH

Assistant Medical Director, Puget Sound Blood Center
Medical Director, Blood Bank, Seattle Children's Hospital
Puget Sound Blood Center
Seattle, WA

Bioterrorism Sentinel Laboratory Training

Sentinel laboratories in Washington are the backbone of CDC's Bioterrorism Laboratory Response Network (LRN). If you perform blood cultures and/or spinal fluid cultures in your microbiology laboratory, your laboratory is a LRN Sentinel Laboratory.

Initial training and periodic refresher training of the Clinical Microbiology staff are critical for the operation of the LRN. It is too late for training after an event occurs! This course will review the important aspects of sound sentinel laboratory training as it relates to "ruling out" select agents. The presenters will also discuss regulations for shipping bacterial/viral organisms and/or clinical samples to your local LRN Reference Laboratory or to CDC.

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

- ✓ Discuss the role that sentinel laboratories play in Washington State,
- ✓ Describe the role of the LRN Reference Laboratories and where they are located,
- ✓ Discuss how proper training of laboratorians creates a safer, healthier Washington, and
- ✓ Access resources to keep up-to-date on new packaging and shipping regulations.

DENNY RUSSELL

Lead Microbiologist Bioterrorism/Emergency Response Team
Washington State Public Health Laboratories
Shoreline, WA

CHUCK TALBURT

Laboratory Program Advisor for the Bioterrorism Program
Washington State Public Health Laboratories
Shoreline, WA

Sponsor: The Washington Department of Health

Did You Know?

P.A.C.E. Contact Hours are available for attending the Exhibits. All you have to do is score 80% or more on a 25 question quiz that we give you before you go into the Exhibits. The answers to these questions are available at the various booths. And you don't have to rush, since the questions can be answered over more than one Exhibit session. Great way to earn 1.5 contact hours at no charge!

Leading with Authority Rather Than Power

The words “management” and “leadership,” as well as “manager” and “leader,” are often used interchangeably. When a person is placed in a management position, he or she becomes the assumed leader. However, becoming a manager does not mean one is a leader. While power is an inherent component of any management position, the authority necessary to lead is often lacking. The power that comes with a position or title, and the authority earned through behaviors and actions are dramatically different approaches to leadership. A manager is given the power to manage a department, project, and/ or task, but authority can never be given. It can only be earned through personal influence. Understanding the subtle nuances between leading with authority versus leading by power can greatly increase your effectiveness as a manager and unlock your employees’ true potential. Understanding the concept of leading with authority and putting it into practice could mean the difference between having employees who come to work and provide only the bare minimum versus having high performance employees who are willing to engage their excitement, passion, and curiosity. Attendees of this course will walk away with a new perspective regarding their role as leaders and will look upon their responsibilities with a greater sense of significance, while recognizing their personal and professional impact on the employees they lead.

Participants will be able to:

- ✓ Identify the role of leadership in helping employees reach self-actualization,
- ✓ Recognize the key components of effective leadership,
- ✓ Describe the difference between positional power and personal authority,
- ✓ Determine the benefits related to leading from a position of authority versus managing from a position of power,
- ✓ Utilize a leadership model that is highly effective in developing authority with others,
- ✓ Identify the qualities, characteristics, and behaviors found among great leaders,
- ✓ Describe the key attributes necessary for leading with authority, and
- ✓ Develop strategies to build individual authority.

CHÉRIE V. PETERSEN, BA

Distance Education Program Coordinator
Institute for Learning
ARUP Laboratories
Salt Lake City, UT

Sponsor: ARUP



Session # 11

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Transfusion Medicine

This session will explore three critical topics in current transfusion practice. The first talk will describe the US Biovigilance Network, how hospitals can participate in it and what they can expect to get out of that participation. The second talk will describe several patients with complex immunohematologic issues/rare blood requirements from a medical perspective. The session will conclude with a review of current knowledge about changes that occur during storage of cellular blood components and how these changes may have clinical import.

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

- ✓ Describe the benefits and method of participating in the US Biovigilance Network,
- ✓ Describe how molecular techniques may be critical to support of patients with both common and unusual antibodies, and
- ✓ Describe the biochemical changes occurring during cellular component storage and their clinical implications

JAMES P. AuBUCHON, MD, FCAP, FRCP(EDIN)

President & CEO
Puget Sound Blood Center
Professor of Medicine and of Laboratory Medicine
University of Washington
Seattle, WA

THERESA NESTER, MD

Associate Medical Director
Puget Sound Blood Center
Associate Professor of Laboratory Medicine
University of Washington
Seattle, WA

Did You Know?

All of the committee members are volunteers and generously give of their time and expertise to put on our seminars. They are truly unsung heroes.

*A **BIG THANK YOU** to all who have worked on the NWMLS.*

You can join this dynamic group and add your expertise to putting on the seminars. Just check the website, www.asclswa.org for information.

Capillary Electrophoresis in Serum Protein Electrophoresis, Immunotyping and Detection of Hemoglobinopathies and Thalassemias

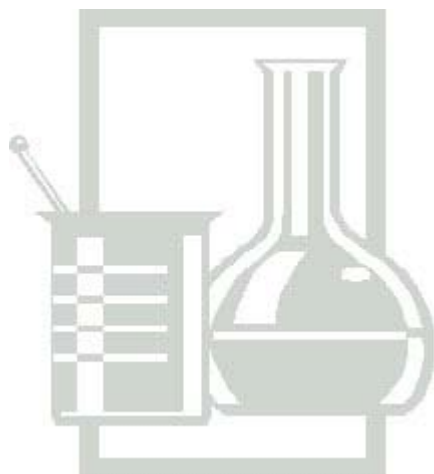
The presentation will explain principles of capillary electrophoresis and how it differs from more conventional gel electrophoresis. Normal and abnormal serum electrophoresis patterns will be reviewed in some detail. Immunotyping (IT) (technique that is similar to immunofixation) principles and interpretation rules will be explained. Some cases will be reviewed and results obtained using IT will be compared to those from immunofixation gels. 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,
- ✓ Discuss the principles of immunotyping and interpret various immunotyping patterns, and
- ✓ Discuss capillary electrophoresis use in detecting hemoglobinopathies and thalassemias.

AIGARS BRANTS, PhD
Scientific Affairs Manager
Sebia, Inc.
Norcross, GA

Sponsor: Sebia, Inc



Did You Know?

*Scholarships are available for
ASCLS-Washington Members.*

*Look on the website and click the Scholarships
tab. Then click on the Northwest Medical Labo-
ratory Symposium application to bring up the
application form for the memorial scholarships.
Two are available.*

*One must be a member of ASCLS-Washington to
qualify. Great way to offset the expense of attend-
ing the NWMLS.*

Session # 13

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Dealing with Dabigatran and Other Direct Thrombin Inhibitors

With the FDA approval of Dabigatran, a new oral direct thrombin inhibitor joins the family of anticoagulants. Come learn how to recognize the presence of direct thrombin inhibitors in your coagulation lab samples. The laboratory is also called upon to determine plasma concentration of these newer drugs even though they have a wide therapeutic range. To provide this service you'll learn how to set up the dilute thrombin time using reagents you may already have in your lab.

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

- ✓ Recognize the pattern of DTI effect on routine coagulation tests,
- ✓ Describe how to perform calibration curves on the current direct thrombin inhibitors on the market, and
- ✓ Set up a dilute thrombin time labs to monitor direct thrombin inhibitors.

CHRIS FERRELL, MT(ASCP)

Special Coagulation Lead
Harborview Medical Center
Seattle, WA

Antiphospholipid Syndrome and Lupus Anticoagulant: A Case-Based Presentation on Lab Testing Procedures

This purpose of this program is to update healthcare professionals regarding advancements in Lupus Anticoagulant Testing. New LA Diagnostic Guidelines, additional aPS testing, practical analysis of technologies and methodologies, and case studies will be presented.

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

- ✓ Describe the symptoms and etiology of antiphospholipid syndrome (aPS),
- ✓ Identify the role of the lupus anticoagulant (LA) relative to pathological thrombosis in clinical situations,
- ✓ Present current guidelines for diagnosis of LA in the context of aPS, and
- ✓ Correlate LA and aPS to specific clinical cases

PAUL RILEY, PhD

Product Manager
Diagnostica Stago, Inc.
Parsippany, NJ

Heparin Assays: Improving Quality

Unfractionated and low molecular weight heparins are widely used anticoagulants for the prevention and treatment of venous thromboembolic disease. Characterized by different pharmacological features and clinical conditions, UFH or LMWH may require laboratory monitoring. The most appropriate test to monitor heparin therapy is the anti-Xa assay which has many advantages compared to the PTT.

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

- ✓ Discuss challenges of effectively monitoring heparin therapy
- ✓ List the benefits of the heparin anti-Xa assay for monitoring heparin therapy
- ✓ Identify the limitations of the aPTT assay to monitor heparin therapy

KAREN WRONA, MT (ASCP)

Product Manager – Heparin Initiative
Diagnostica Stago, Inc.
Parsippany, NJ

Sponsor: Diagnostica Stago, Inc.

Thursday, October 13, 2011

Session # 14

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Lean in the Microbiology Laboratory

The Six Sigma organization and lean principles will be discussed. In addition, different applications of lean principles will be discussed as they pertain to the clinical microbiology laboratory.

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

- ✓ Describe the Six Sigma organization,
- ✓ Discuss lean principles and applications to clinical microbiology, and
- ✓ Describe how lean principles can be integrated into the clinical microbiology laboratory.

GERALD HARMON

Supervisor Microbiology
Quest Diagnostics, Inc
Seattle, WA

Sponsor: Quest Diagnostics

Don't Forget!
Visit the Exhibits
11:30 AM to 2:00 PM

Thursday, October 13, 2011

Session # 15

2:00 - 5:15 PM
3 Contact Hours
Intermediate

LC-MS in the Clinical Laboratory: Vitamin D as a Case Study

We will discuss recent developments in the analysis of Vitamin D and its metabolites and how mass spectrometry can be applied to their quantification. There will also be a discussion of the proper quality control approaches necessary to ensure accurate results.

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

- ✓ Describe the current guidelines for Vitamin D testing,
- ✓ Identify how analytes are specifically identified in the mass spectrometer, and
- ✓ List three easy quality control parameters for any LC-MS/MS assay.

Cancelled

ANDY HOOFNAGLE, MD, PhD

Assistant Professor and Director, Clinical Mass Spectrometry
University of Washington
Seattle, WA

Session # 16

2:00 - 5:15 PM
3 Contact Hours
Intermediate

Internet Based Technologies and Audience Response Systems in Clinical Chemistry Education

Through lecture, discussion, and game playing, attendees will explore the use of internet based technologies and audience response systems used in clinical chemistry education and assess possible ways to adapt both for use in training and/or continuing education programs in a contemporary clinical chemistry laboratory.

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

- ✓ Describe at least 2 types of internet based technologies that are used in clinical chemistry education,
- ✓ Explain how audience responses systems are used in clinical chemistry education, and
- ✓ Appraise the use of internet technologies and audience response systems as part of a training and/or continuing education program in the contemporary clinical chemistry laboratory.

DAN BANKSON, PhD, MBA

Associate Professor, Laboratory Medicine
University of Washington
Seattle, WA

CARA CALVO, MS, MT(ASCP), SH(ASCP)

Interim Program Director and Lecturer
University of Washington
Seattle, WA

Session # 17

2:00 - 5:15 PM
3 Contact Hours
Intermediate

Pediatric Leukemia

This section will cover several topics: the WHO classification of acute leukemias, diagnostic methods for acute lymphoblastic leukemia and acute leukemia in Down Syndrome patients.

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

- ✓ Describe the WHO classification of acute leukemia, and
- ✓ Identify diagnostic methods for ALL

MIN XU, MD, PhD

Medical Director of Core Laboratory, Assistant Professor
Seattle Children's Hospital, University of Washington
Seattle, WA

Acute Myeloid Leukemia

This section will focus on acute myeloid leukemia. Following a general overview of this disease entity, this session will review tools for diagnosis and classification including morphology, flow cytometry, and genetics. Illustrative cases will be employed to highlight important concepts.

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

- ✓ List tools available in the laboratory for diagnosis and classification of acute myeloid leukemias,
- ✓ Recognize different morphologic blast equivalents including myeloid blasts, monoblasts, promonocytes, and abnormal promyelocytes and
- ✓ Describe some clinical differences between subtypes of acute myeloid leukemia.

SINDHU CHERIAN, MD

Assistant Professor
University of Washington
Seattle, WA



Myeloma Patients: New Screening Updates for Improved Outcomes

Patients with multiple myeloma (MM) and other monoclonal gammopathies often initially present with a myriad of non-specific symptoms. Traditional screening protocols miss a significant percent of patients with MM and related plasma cell disorders. 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 and provides a sensitive indicator of patient status in the diagnosis, treatment and remission of Multiple Myeloma (MM) and other B-cell dyscrasias. Enhanced diagnostic capability has been demonstrated when sFLC testing is used in conjunction with SPEP and/or IFE. The International Myeloma Working Group (IMWG) and National Comprehensive Cancer network (NCCN) has recently developed new recommendations for the utilization of Freelite™ in the initial diagnostic workup of multiple myeloma and related disorders. This test is currently offered by major reference laboratories, myeloma centers and many hospital laboratories. The following topics will be discussed in this presentation:

- The non-specific symptoms of myeloma & related plasma cell disorders that often confound a diagnosis.
- Why it is easy to miss MM diagnoses.
- An overview and evaluation of traditional screening protocols.
- Recent developments in screening algorithms for suspected monoclonal gammopathies.
- International Myeloma Working Group and NCCN Guidelines for serum free light chain analysis in multiple myeloma and related disorders.

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

- ✓ Identify the non-specific symptoms that often accompany multiple myeloma and other plasma cell disorders,
- ✓ Explain why the traditional screening methods can miss the diagnosis of monoclonal gammopathies, and
- ✓ Describe the use of serum free light chain analysis for screening, diagnosis and monitoring disease as outlined by guidelines from the International Myeloma Working Group (IMWG) and NCCN (National Comprehensive Cancer Network).

ANNE L. SHERWOOD, PhD
Technical Director - Freelite™
The Binding Site, Inc.
San Diego, CA

Sponsor: The Binding Site

Don't Forget
Visit the Exhibits
5:00 PM to 7:00 PM

Thursday, October 13, 2011

The next three sessions are covered under the evening rate on the registration form. A full day registration does not cover these sessions. The evening fee is in addition to the day fee. Please note that there is one fee for Technical / Administrative Professionals, whether Special Member, Member of ASCLS or AMT, or Nonmember. There is a separate fee for phlebotomists and students.

Session # 19

7:00 - 8:30 PM
1.5 Contact Hours
Intermediate

Making Clinical Correlations Using Hematologic Data and Morphology

Using a case study approach, this session will present hematology (CBC) data along with microscopic cell morphology. The participants will be asked to “look at the bigger picture” in order to help rule out certain pathology and make relevant clinical correlations using the presented information. Some cases will initially appear as “look alikes” until you look at the larger picture!

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

- ✓ Follow a systematic approach for interpreting CBC information,
- ✓ Correlate CBC instrument information with microscopic morphology and probable clinical pathology, and
- ✓ Given CBC information, keep looking at the “bigger picture” to help narrow down a probably cause for these blood pictures.

LYNN MAEDEL, MS, MLS(ASCP)SH

Executive Director
CACMLE
Denver, CO

Session # 20

7:00 - 8:30 PM
1.5 Contact Hours
Intermediate

UW Global Health Program

The purpose of the University of Washington Global Health program is to close the gap between the world's 1 billion people who have access to relatively good health and the 5 billion who experience much lower levels of health. Dr Martin's expertise in international laboratory systems development, laboratory management, and laboratory quality assurance will come into play as he shows how they address the causes of, and provide solutions for, disparities in health around the globe through teaching, research, and service programs.

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

- ✓ Identify the defined needs for strengthened laboratory capacity in international settings, and
- ✓ Describe resources that are being brought to bear on laboratory capacity development.

MARRIANNE HOLEC, MPH

Global Health Systems Team Leader
International Training & Education Center for Health
University of Washington
Seattle, WA

Thursday, October 13, 2011

Session # 21

7:00 - 8:30 PM
1.5 Contact Hours
Intermediate

Shiga Toxin-producing *Escherichia coli*: Incidence Trends, Clinical Characteristics and Laboratory Diagnostic Methods in Washington State

Following review of the clinical and laboratory characteristics of Shiga toxin-producing *E. coli* (STEC), the incidence and characteristics of STEC O157 vs. non-O157 STEC in Washington will be discussed, along with recommended diagnostic methods.

A 2011 STEC Clinical Laboratory Survey allowed WA Department of Health (DOH) to evaluate current STEC testing practices across the state, and to assess the correlation between laboratory testing practices and non-O157 STEC incidence. Final results will be presented, providing the audience with an overall picture of STEC laboratory testing methods in Washington. Survey results also highlight future plans for implementation of Shiga toxin assay testing methods across the state, and reported motivations and barriers towards the implementation of testing.

Recommended laboratory diagnostic methods, including culture on sorbitol-containing media and simultaneous testing with an assay to detect Shiga toxins (methods including EIA and lateral flow card testing) will be discussed in detail, followed by a question and answer session.

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

- ✓ Discuss the CDC recommendations for diagnosis of Shiga toxin-producing *Escherichia coli*,
- ✓ Describe the differences in incidence, clinical presentation and diagnostic methods between STEC O157 and non-O157 STEC,
- ✓ Identify the proportion of clinical laboratories in WA using culture and non-culture assay testing methods, Describe how employed testing methods impact the identification of O157 and non-O157 STEC incidence, and
- ✓ Recognize the differences between various assay testing methods, including enzyme immunoassay (EIA) and lateral flow card testing.

KATIE A. MILLER, MPH CPH

CDC/CSTE Applied Epidemiology Fellow
Washington Department of Health, Communicable Disease Epidemiology
Shoreline, WA

BRIAN C. HIATT, BS MICROBIOLOGY

Supervisor, Reference/Enterics/Food/Parasitology
Washington State Public Health Laboratory
Shoreline, WA

Sponsor: The Washington Department of Health

Need More Time to Browse?

Visit the Exhibits

Last Chance Tomorrow

Friday 11:30 AM to 2:00 PM

Friday, October 14, 2011

Session # 22

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Our Clinical Laboratory Ambassadors; All Hail the Professional Phlebotomist! Part 1

“Our Clinical Laboratory Ambassadors-All Hail the Professional Phlebotomist” program will be presented over two half day sessions and will focus on the front line representatives of our profession - the Phlebotomists. Entry level as well as well seasoned phlebotomists will benefit from content such as customer service and satisfaction, pride in the work I do, respect in the work place, as well as the importance of preventing pre-analytical errors and insuring proper specimen transport, processing and integrity. Supervisors of Specimen Collection personnel will also benefit from ideas presented by those in “the trenches” on how to motivate them to be the best they can be.

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

- ✓ Discuss ways to demonstrate exceptional customer service as it pertains to phlebotomy, and
- ✓ Discuss a variety of methods to motivate specimen collection personnel,

LISA COUNTRYMAN JONES, BS, MLS (ASCP), CLS(CA), CPT

Portland Community College MLT Program
Portland, Oregon

Session # 23

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Hemophilia Therapy: From Rasputin to Recombinants

We've known about hemophilia since the second century. First we treated it by killing its victims. Then Rasputin employed the occult to assist Prince Alexis and the Romanovs, which ended with his assassination and the Russian revolution. By the 1970s the hemophilia problem was “solved,” only to transmit viral diseases that caused a worldwide firestorm. This led us to recombinant coagulation factors. Is genetic therapy in our future?

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

- ✓ Recount the history of hemophilia treatment including the story of Rasputin,
- ✓ Describe the effects of AIDS on hemophilia therapy, and
- ✓ Apply current hemophilia treatment regimens.

GEORGE A. FRITSMAN MS, MLS

Proprietor, The Fritsma Factor, Your Interactive Hemostasis Resource
Trussville, AL

Update on Aspirin and Plavix Sensitivity and Resistance Testing

This presentation will give participants an update on testing used to determine aspirin and Plavix sensitivity and resistance in patient populations. They will also get new information on herbal supplements effects on some of the assays and on new test products in FDA trials.

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

- ✓ Discuss the testing that is available for determining aspirin and Plavix sensitivity and resistance,
- ✓ Interpret sensitivity and resistance data, and
- ✓ Identify interfering medications that may affect sensitivity and resistance laboratory results.

DAVID L. McGLASSON, MS, MLS(ASCP)^{CM}

Clinical Research Scientist, 59th Clinical Research Division
Lackland AFB, TX

Sponsor: Diagnostica Stago, Inc.

Blood Component Therapy and Transfusion Safety

Transfusion therapy saves lives, but is not without risk. There is a growing national focus on blood utilization and transfusion safety. Transfusion Service Laboratories are increasingly involved with helping clinicians understand the appropriate use of blood components, since most clinicians receive no formal training in transfusion medicine. This session will discuss indications for blood components and special attributes. It will also identify transfusion practices used to enhance patient safety.

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

- ✓ Describe appropriate indications, dose, infusion rates, and expected therapeutic effects for Red Blood Cells, Platelets, Plasma, Cryoprecipitate, and Granulocytes,
- ✓ Identify which patients should receive special attributes (i.e., leukocyte reduced, irradiated, CMV-Sero negative/CMV-Safe, washed, or volume-reduced components), and
- ✓ Explain strategies for improving transfusion safety in hospitals.

MARY GRABOWSKI, RN, BSN, BSIA

Transfusion Safety Officer
Puget Sound Blood Center
Seattle, WA

An Update on Platelet Transfusion Therapy

This section will focus on identifying appropriate thresholds for platelet transfusion and the causes of platelet refractoriness and its management. Appropriate dosing for platelet transfusion will also be discussed.

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

- ✓ Identify appropriate thresholds for platelet transfusion,
- ✓ Describe the causes of platelet refractoriness and its management, and
- ✓ Outline appropriate dosing for platelet transfusions.

Obstetrical Bleeding Emergencies

In this section we will be looking at the most common causes of obstetrical bleeding as well as the appropriate management of OB bleeding emergencies.

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

- ✓ Identify the most common causes of obstetrical bleeding, and
- ✓ Discuss appropriate management of obstetrical bleeding emergencies.

TERRY B GERNSEIMER, MD

Director of Medical Education
Puget Sound Blood Center
Seattle, WA

Friday, October 14, 2011

Session # 25

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Cold Cases: Rare Bugs Exposed

Today's session will be an interactive discussion of difficult or unusual cases that have been encountered in the Clinical Microbiology Laboratories at Seattle Children's, VA, and University of Washington. We will examine the general characteristics, epidemiology and spectrum of disease, as well as look at the laboratory diagnosis and basic issues among rare and unusual organisms, including application of molecular techniques.

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

- ✓ Explain the general characteristics, epidemiology, pathogenesis, and spectrum of disease of rare and unusual organisms,
- ✓ Discuss laboratory diagnosis and basic issues among rare and unusual organisms, and
- ✓ Describe how molecular microbiology can be applied to specific problems such as the identification of a completely unknown microorganisms (i.e., know why 16S rRNA is a useful molecular target)

WILLIAM GLOVER PHD, MT(ASCP)

Clinical Microbiology Fellow
Seattle Children's Hospital
Seattle, WA

SCOTT WEISSMAN, MD

Assistant Professor
Seattle Children's Hospital
Seattle, WA

**Don't Forget!
Last Chance**

**Visit the Exhibits and
The Demo Vans**

11:30 AM to 2:00 PM

Session # 26

2:00 - 5:15 PM
3 Contact Hours
Intermediate

Our Clinical Laboratory Ambassadors; All Hail the Professional Phlebotomist! Part 2

“Our Clinical Laboratory Ambassadors-All Hail the Professional Phlebotomist” Program will be continued in this session and will focus on the front line representatives of our profession - the Phlebotomists. This continuation of the morning session will begin with Phlebotomy Jeopardy, designed to help each attendee know what they may need to review, followed by a current review of CLSI standards regarding “best practices” in phlebotomy procedure, order of the draw, difficult patients and difficult draws, processing and transport.

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

- ✓ Describe current Phlebotomy standards per CLSI, and
- ✓ Describe/demonstrate the following:
 - Venous selection
 - Correct order of the draw
 - Areas to avoid in venipuncture
 - Common pre-analytical errors
 - Drawing the difficult patient

LISA COUNTRYMAN JONES, BS, MLS (ASCP), CLS(CA), CPT
Portland Community College MLT Program
Portland, Oregon



Friday, October 14, 2011

Session # 27

2:00 - 5:15 PM
3 Contact Hours
Intermediate

The Top Ten Problems in the Coagulation Laboratory

In the December 1997 issue in *Advance for Medical Laboratory Personnel*, we published "The Top Ten Problems in Coagulation". We repeated the project in 2006 and we were struck by how many changes had occurred in nine years. In 2011 we conducted a new survey, and this time, many of the problems of 2006 remain to be resolved. The bulk of today's discussion is a search for solutions to these problems.

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

- ✓ List the top ten coagulation problems of 1997 and tell how they have been resolved,
- ✓ List the top ten coagulation problems of 2006,
- ✓ List the top ten coagulation problems of 2011, describe the impact of these problems on the clinical laboratory and clinical practice, and devise solutions.
- ✓

GEORGE A. FRITSMAS MS, MLS

Proprietor, The Fritsma Factor, Your Interactive Hemostasis Resource
Trussville, AL

Molecular Hematopathology

This session will review current methods of molecular diagnostic techniques and their clinical utility in the diagnosis of hematologic malignancies.

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

- ✓ Describe techniques used for minimal residual disease monitoring, and
- ✓ Discuss the clinical use of molecular diagnostics for diagnosis.

DAVID WU, MD, PhD

Assistant Professor
University of Washington
Seattle, WA

Session # 28

2:00 - 5:15 PM
3 Contact Hours
Intermediate

Human Factors in the Clinical Laboratory: Lessons from Aviation Safety

Crew Resource Management (CRM) is a proven and effective risk management methodology in environments where human error can have devastating consequences. Commercial airline veteran pilot Patrick Mendenhall describes CRM's origins in commercial aviation, how it has affected and changed "cockpit culture" and its relevance to any Critical Outcome Environment, including healthcare. He gives an overview of the components of CRM as well as an introduction to "Threat and Error Management," a simple, yet effective risk management approach.

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

- ✓ List the four Crew Performance Indicators (CPIs),
- ✓ Define a "Critical Outcome Environment", and
- ✓ Name and describe the two primary "Threat Categories".

PATRICK MENDENHALL

Airline Pilot/ Partner & CRM Instructor
Crew Resource Management, LLC, Tacoma, WA

Friday, October 14, 2011

Session # 29

2:00 - 5:15 PM
3 Contact Hours
Intermediate

Patient Safety and the Clinical Laboratory: Neglected Human Resource Considerations

This lecture describes some of the human resource considerations that apply most directly to patient safety and the clinical lab. Topics covered include: the normalization of deviance in some clinical labs; implementing “just culture”; the problems caused by self assessment; disconnection of lab workers from patient care; fatigue; and the importance of monitoring human behavior. Solutions are presented for each of the problems that are described.

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

- ✓ Define the competence confidence conundrum and how it is related to patient safety,
- ✓ Define disconnection in lab workers and name 3 ways to reduce it, and
- ✓ Define “just culture” and how it guides the managerial response to human errors.

MICHAEL ASTION, MD, PHD

Division Chief of Laboratory Medicine, Seattle Childrens Hospital
Professor of Laboratory Medicine, University of Washington
Seattle, WA

Overview of Quality Control

The speaker will present an overview of quality control (QC) in the clinical laboratory. QC in the clinical laboratory is designed to reduce errors in the analytical phase of testing with the ultimate goal of improving patient test results and safety. The speaker will review how QC fits into the overall laboratory quality management plan. He will discuss the QC process, data, statistics, data review, and management.

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

- ✓ Discuss the importance of QC in the laboratory quality management plan, and
- ✓ Discuss the essential aspects of an effective QC program.

TIM LOMBARDI

Quality Systems Specialist
Bio-Rad Laboratories
Benicia, CA

Sponsor: Bio-Rad Laboratories

Session # 30

2:00 - 5:15 PM
3 Contact Hours
Intermediate

HIV: New Directions, New Algorithms, Better Patient Care

The introduction of the 4th generation HIV screening method is increasing the capability of the clinical laboratory by allowing us to detect acute as well as chronic cases of HIV. This session will help explain the differences in the methods, the newly proposed algorithms, and explain the changing attitudes over the past 30 decades since HIV was first diagnosed.

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

- ✓ Compare and explain the various methods currently available for HIV screening and HIV confirmation,
- ✓ Compare and explain the current testing algorithm to the proposed algorithm, and
- ✓ Explain the need for decreasing the window period detection.

GINGER WEEDEN

Product Manager for HIV and Hepatitis assays on the BioPlex 2200 platform

GREG STEWART

Sr Product Manager
Bio-Rad Laboratories
Benicia, CA

Sponsor: Bio-Rad Laboratories

Saturday, October 15, 2011

Session # 31

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Preventing Phlebotomy Lawsuits

This section will focus on tips on how to prevent Phlebotomy related lawsuits. A brief discussion will focus on what to expect if you are involved in a lawsuit and how to prepare yourself.

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

- ✓ Identify how to prevent Phlebotomy related lawsuits.

ERIKA FERRERI, MAED, BS

Clinical Lab Assistant and Phlebotomy Technician Faculty
Edmonds Community College
Lynnwood, WA

Intermediate-Advanced Phlebotomy for the Difficult Draw

Techniques in performing intermediate and advance phlebotomy on the difficult to draw patient will be the focus of this portion of the session. Special emphasis will be on performing phlebotomy with the BP Push Button Butterfly with confidence and skill with challenging blood draws.

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

- ✓ Describe techniques to assist with vein selection with difficult draws,
- ✓ Select from different insertion techniques with BD Push Button Butterfly depending on vein size and location, and
- ✓ Choose from different hand positions for safe activation of BD Push Button Butterfly.

SYLVIA CRAWFORD, PBT (ASCP)

Phlebotomy Technician and Trainer
Bellevue College
Bellevue, WA

Session # 32

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Case Presentation in Parasitology

In this session we will examine the clinical presentation of parasite diseases and their epidemiology. Using a diagnostic laboratory approach we will identify limitations and pitfalls of diagnostic procedures in the diagnosis of parasitic diseases.

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

- ✓ Describe the basic clinical features of parasitic diseases,
- ✓ Apply specific laboratory procedures, and
- ✓ Describe the limitations and the pitfalls of diagnostic procedures in the diagnosis of parasitic diseases.

GOTTFRIED SCHMER, MD, MPH-TM

Emeritus Professor of Laboratory Medicine and Medicine
University of Washington
Seattle, WA

Session # 33

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Cytology of Body Fluids

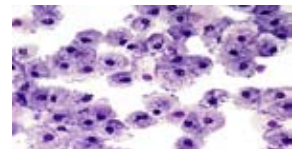
Ever feel like you lack confidence in evaluating body fluid morphology? In this popular session, Dr. Sabath will cover the pathophysiology of body fluids formation, major diseases associated with abnormal effusions, chemical and cellular composition, and requirements for body fluids laboratory and cytological analysis. Emphasis will be on the cellular component, including methods for cytologic preparation and examination, cyto-morphologic features of malignancy, classical patterns of common diseases in cytology, and problems in evaluating mesothelial cells. As time allows, special topics in body fluids may also be addressed including CSF, synovial fluids, and semen analysis.

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

- ✓ Discuss the pathogenesis of body fluid formation,
- ✓ List collection requirements for various laboratory determinations done on body fluids,
- ✓ Correlate chemical changes in body fluids which occur in various disease states,
- ✓ Describe methods of specimen preparation for body fluid morphology, and
- ✓ Identify normal and abnormal cells in each body fluid.

ANNETTE SABATH, MD

Assistant Professor
University of Washington Medical Center
Harborview Medical Center
Seattle, WA



Session # 34

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Successful Point of Care Testing Programs: How to Be the Eyes, Ears and Voice of the Laboratory

This session is intended for any laboratory professional that has the pleasure of monitoring or overseeing point of care testing. The session will begin with a narrative on the trials, tribulations and successes in one facility's point of care testing program. Not only will we discuss methods to increase competency and compliance, but also how to make point of care testing and the laboratory more visible and valuable to your facility. Attendees will then have the opportunity to participate in roundtable discussions. You will share the challenges faced in your own institution with a group of individuals in the same predicament who can brainstorm or share their own solutions. This is a great opportunity to network with your fellow Point of Care Testing Coordinators.

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

- ✓ Identify and discuss the challenges associated with Point of Care Testing,
- ✓ Recognize key areas to make POCT valuable to your facility, and
- ✓ Collaborate with other Point of Care Testing personnel to problem-solve current issues.

TAWNY ARENSMEYER, MLS(ASCP)^{CM}

Point of Care Coordinator
Providence Sacred Heart Medical Center
Spokane, WA

Sponsor: Spokane Society for Clinical Lab Scientists

Saturday, October 15, 2011

Session # 35

8:30 AM - 11:45 AM
3 Contact Hours
Intermediate

Molecular Medicine's Rapid Progression

Case studies will be presented focusing on the challenges of bringing a Capillary Electrophoresis based Microbial ID Assay on line and on developing and Validating a targeted resequencing panel on the Ion Torrent System. Dr Billings will discuss the Life Technologies vision of molecular medicine and the E.coli outbreak in Germany and how the technologies we work with were used to do identification, validation and testing for the outbreak.

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

- ✓ Discuss the direction that molecular medicine is going
- ✓ Discuss how these technologies can be used in the E. coli outbreak

JOSEPH HILL, MB(ASCP)^{CM}

Technical Specialist, Molecular Diagnostics
Kaiser Permanente
Portland, OR

PAUL BILLINGS, MD

Chief Medical Officer
Life Technologies

Sponsor: Life Technologies

Session # 36

1:00 - 4:15 PM
3 Contact Hours
Intermediate

Inflammation – A New Look Into Health and Disease!

There has been extensive emerging research demonstrating a strong link between inflammation and many adverse health conditions. The link between inflammation and heart disease, cancer, diabetes, and aging will be presented in this session. The role of omega-3 fatty acids in reducing inflammation in disease will be discussed.

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

- ✓ Identify the differences between inflammatory and anti-inflammatory pathways,
- ✓ Identify makers of inflammation in disease,
- ✓ Relate the relevance of diet to reducing inflammation, and
- ✓ Recognize how to optimize nutrition in disease prevention.

LINDA CASHMAN, MS, RD, CD

Associate Professor and Dietetic Internship Director
Central Washington University
Ellensburg, WA

SUSAN HAWK, PHD, RD

Associate Professor
Central Washington University
Ellensburg, WA

Session # 37

1:00 - 4:15 PM
3 Contact Hours
Intermediate

Bloody Tales

Roundtable presentation and discussion of unique and extraordinary cases in hematology will be the focus of this dynamic session. Discussion will include disease, clinical signs and symptoms and laboratory findings. We will find viable solutions to problems cases encountered in Hematology.

After this session, participants will be able to:

- ✓ Summarize each disease discussed during this session, including clinical signs and symptoms, and key laboratory findings,
- ✓ Describe the knowledge and skills to correctly interpret written and/or visual data that accompanies cases encountered in their respective hematology laboratories, and
- ✓ Propose viable solutions to problem cases encountered in their respective hematology laboratories.

CARA CALVO, MS, MT(ASCP), SH(ASCP)

Interim Program Director and Lecturer
University of Washington
Seattle, WA

MIN XU, MD, PhD

Medical Director of Core Laboratory, Assistant Professor
Seattle Children's Hospital, University of Washington
Seattle, WA

JENELL OUTERSON, MT(ASCP), MBA

Cinical Laboratory Supervisor – Hematology
University of Washington
Seattle, WA

Session # 38

1:00 - 4:15 PM
3 Contact Hours
Intermediate

Mechanisms of Antimicrobial Drug Resistance: Recognition and Methods of Detection

The goal for the lecture on antimicrobial drug resistance is to present information about current problems in antibiotic use and emerging resistance. Understanding the mechanisms of drug resistance to microbial organisms would help the clinical microbiologists to recognize and detect resistant clinical isolates. Proper selection of batteries of antibiotics against specific organisms using proper methods will be emphasized. Various new or modified tests that are available, and their limitations, will be addressed.

The 3-hour session will include:

- Background and significance of antimicrobial resistance.
- Antimicrobial resistance in Gram-positive bacteria (including cases)
- Antimicrobial resistance in Gram-negative bacteria (including cases).

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

- ✓ Discuss an overview of antibiotic classes and drug actions,
- ✓ Explain an overview of emerging antibiotic drug resistance, and
- ✓ Describe and evaluate laboratory methods for detection of drug resistance.

XUAN QIN, PhD, D(ABMM)

Director, Microbiology Laboratory
Seattle Children's Hospital and Regional Medical Center
Seattle, WA

EXHIBITORS & EXHIBIT HALL INFORMATION

The leading manufacturers and distributors will once again gather in the Exhibit Hall at the Lynnwood Convention Center to display their wares. This will be the 29th 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. For the latest information, please visit the the vendor websites. Links may be found at www.asclswa.org, tab NWMLS, click on "Exhibitor List 2011".

Abbott Diagnostics	IRIS Diagnostics
Advanced Instruments	Mayo Medical Laboratories
AdvanDx	MediaLab, Inc.
Alere (Inverness Medical)	Meridian Bioscience, Inc.
Arkray USA	Mindray Medical
ARUP Laboratories	Modern Laboratory Services, Inc
Audit MicroControls	mut America
BD Diagnostics	Natural Molecular Testing Corp
BD Preanalytical Systems	NCM Direct Delivery, Inc
Beckman Coulter, Inc	Olympus
bioMerieux, Inc	Ortho Clinical Diagnostics
Bio Rad Laboratories	Quest Diagnostics
CACMLE	Rees Scientific Corporation
Cardinal Health	Remel (Part of Thermo Fisher Scientific)
Cellestis, Inc.	ROCHE Diagnostics
Cepheid	Scientific Supply & Equipment
Delivery Express	Sebia, Inc.
DiaSorin, Inc	Sekisui Diagnostics
EMD Millipore	Siemens Healthcare Diagnostics
Fisher Healthcare	Siemens Industry, Inc.
Global Focus Marketing & Distribution	Stago
Hardy Diagnostics	Sysmex America, Inc
Helmer	The Binding Site
HemoCue, Inc	Tosoh Bioscience, Inc
Immucor	University of Washington
Immunodiagnostic Systems, Inc	U.S. Army Healthcare
Instrumentation Laboratory	VWR

EXHIBIT HOURS

Wednesday, October 12	Exhibit Opening	11:30 AM – 2:00 PM
Thursday, October 13		11:30 AM – 2:00 PM 5:00 PM – 7:00 PM (Beverages & Hors d'oeuvres)
Friday, October 14	Exhibit Closing	11:30 AM – 2:00 PM

EXHIBITOR PRODUCT LIST

Abbott Diagnostics: HIV Combo, Ci4100
Advanced Instruments
AdvanDx: GNR Traffic Light PNA FISH
Alere (Inverness Medical): Alere PBP2a, BinaxNOW S aureus
Arkray USA: POC instruments
ARUP Laboratories: Reference Lab Testing
Audit MicroControls
BD Diagnostics: BD MAX - The Power of Choice, BD Innova
BD Preanalytical Systems: MAP, Rapid Serum Tube, Push Button Wingset, Urine Collection
Beckman Coulter, Inc: AU480/680, DXH800, TOP500, Automate 1250
bioMerieux, Inc: Vitek MS and Previ Isola
Bio Rad Laboratories: Seralone Immunology Reagents and Automation/TANGO, HIV Testing, Bio-Plex 2200, MRSA Select Chromagenic Media
Cardinal Health
Cellestis, Inc: Quantiferon
Cepheid: GeneXpert Infinity 48, Xpert C-diff Epi, Xpert FLU A/B w/2009 H1N1, System and Solutions Program
Delivery Express
DiaSorin, Inc: Vitamin D, Infectious Disease
EMD Millipore
Fisher Healthcare: Microflex, Thermo LCD, Deardorff Fitzsimmons
Global Focus Marketing and Distribution, Ltd.

Hardy Diagnostics: HardyCHROM SS, HardyCHROM VRE, HardyChrom MRSA, and Aloe Safe
Helmer: i C3

HemoCue, Inc., A Quest Diagnostics Company
Immucor
Immunodiagnostic Systems: IDS-iSYS System, 25-Hydroxy Vitamin D, Intact PTH, IGF-I
Instrumentation Laboratory: GEM Premier 4000, GEM Premier 3500,
IRIS Diagnostics: iRICELL
Mayo Medical Laboratories: Reference Testing
MediaLab, Inc: Web-based documentation control system, Online continuing education courses, MLS and MT exam stimulator, Lab CE Quiz Games
Meridian Bioscience, Inc: illumigene, ImmunoCard STAT! EHEC, ImmunoCard STAT! HpSA, ImmunoCard STAT! Campy
Mindray Medical
Modern Laboratory Services, Inc: Siemens xPand+, RxL, ExL, Siemens Immulite 1000 & 2000, Centaur CP, Medica Easy RA, Sysmex KX, XT
mut America: High Speed Tube Sorter, Pluggo De-Capper
Natural Molecular Testing Corp: Molecular testing services
NCM Direct Delivery, Inc: Transportation and Logistics
Olympus: BX43 Microscope, BX46 Microscope, and DP21
Ortho Clinical Diagnostics: Vitros 5600, Vitros 4600, Vitros 3600, ProVue
Quest Diagnostics: Care360 EHR, ColoVantage, Upcoming Webinars, and Lipoprotein Fractionation
Rees Scientific Corporation
Remel (Part of Thermo Fisher Scientific)
ROCHE Diagnostics: 9 minute Troponin, HbA1c Closed Tube Sampling, Cobas 8000
Sebia Electrophoresis: Capillarys Flex Piercing
Sekisui Diagnostics: OSOM Products C diff, Strep A, Trichomonas, and VB (formerly Genzyme Diagnostics)
Scientific Supply & Equipment
Siemens Healthcare Diagnostics: Dimension EXL 200, Immulite 2000 XPi, Syngo Middleware Solution, Personal Education Program
Siemens Industry, Inc.
Stago: STA Compact and STA Satellite Instruments, Coag Reagents, Coag ConneXion
Sysmex America
The Binding Site
Tosoh, Bioscience, Inc.
University of Washington Reference Lab
VWR: Simport CoreDish, HbA1c Instruments and Reagents, Vitamin D Testing, Laboratory Furniture

List is updated as more companies sign up to exhibit. Check the website, www.asclswa.org, for links to each

Registration Terms and Conditions

Fees are listed for each category. To ensure adequate processing time, please postmark your registration by **September 24, 2011 to insure it will arrive on time**. 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.

Special Member: Any person currently a member in good standing of the following organizations: AABB (American Association of Blood Banks); AACC (American Association for Clinical Chemistry); ASC (American Society of Cytology); ASCT (American Society for Cytotechnology); ASH (American Society of Hematology); ASM (American Society of Microbiology); CLMA (Clinical Laboratory Management Association). ASCP Laboratory Professional Membership Category (American Society for Clinical Pathology).

NOTE: Certification through ASCP only does NOT qualify you for "Special Member" rates. Please submit a copy of your membership card with your registration form.

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 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 convention center and session expense obligations, NO REFUNDS are permitted.

Registration Questions

For registration questions or information contact:

Brenda Kochis
44 West 26th Avenue
Spokane, WA 99203

Phone: 509-939-8445 (please leave message if no answer)

E-mail: BrenKoch@comcast.net

You will receive a confirmation in the email that is sent regarding handout access. Please write your email address clearly.

2011 Northwest Medical Lab Symposium

October 12 - 15, 2011

Lynnwood Convention Center

Please Postmark by September 24, 2011

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 12	AM	1	2	3	4	
	PM	5	6	7	8	9
Thursday October 13	AM	10	11	12	13	14
	PM	15	16	17	18	
	Eve	19	20	21		
Friday October 14	AM	22	23	24	25	
	PM	26	27	28	29	30
Saturday October 15	AM	31	32	33	34	35
	PM	36	37	38		

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

Technical/Administrative Professional

ASCLS/AMT Member (Membership #: ASCLS _____ AMT _____)

Full Day _____ days @ \$100.00 \$ _____

Half Day _____ half days @ \$50.00 \$ _____

Non-Member

Full Day _____ days @\$160.00 \$ _____

Half Day _____ half days @ \$80.00 \$ _____

Special Member (enclose copy of membership card)

____ AABB ____ AACC ____ ASC ____ ASCT _____ days @ \$140.00 \$ _____

____ ASH ____ ASM ____ CLMA _____ half days @ \$70.00 \$ _____

____ ASCP Laboratory Professional Membership Category. Certification through ASCP does NOT qualify you for "Special Member" rates.

Phlebotomist

Full Day _____ days @ \$60.00 \$ _____

Half Day _____ half days @ \$30.00 \$ _____

Student

Full Day _____ days @ \$40.00 \$ _____

Half Day _____ half days @ \$20.00 \$ _____

Evening Session (this is in addition to the full day rate)

Technical/Professional (member & nonmember) and Special Members _____ session @ \$40.00 \$ _____

Student or Phlebotomist _____ session @ \$20.00 \$ _____

Total \$ _____

Mail to: Brenda Kochis
 44 West 26th Avenue
 Spokane, WA 99203

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

E-mail: BrenKoch@comcast.net

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		
Preferred Phone		
Company (If Student, skip this line)		Department
Address (If Student, Permanent address)	City	State/Province/Postal Code Country
() ()		
Preferred E-Mail Address	Telephone	Fax
Have you ever been a member of ASCLS? <input type="checkbox"/> Yes <input type="checkbox"/> No Membership Number _____		

<p><u>SCIENTIFIC ASSEMBLY</u> 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.</p> <table style="width: 100%;"> <tr> <td style="width: 50%;">PRIMARY</td> <td style="width: 50%;">SECONDARY INTEREST</td> </tr> <tr> <td>___</td> <td>___ chemistry/urinalysis</td> </tr> <tr> <td>___</td> <td>___ microbiology</td> </tr> <tr> <td>___</td> <td>___ laboratory administration</td> </tr> <tr> <td>___</td> <td>___ immunology/immunohematology</td> </tr> <tr> <td>___</td> <td>___ histology/cytology</td> </tr> <tr> <td>___</td> <td>___ hematology/hemostasis</td> </tr> <tr> <td>___</td> <td>___ generalist/public health</td> </tr> <tr> <td>___</td> <td>___ industry</td> </tr> <tr> <td>___</td> <td>___ education</td> </tr> <tr> <td>___</td> <td>___ phlebotomy/POC</td> </tr> <tr> <td>___</td> <td>___ molecular bio/genetics</td> </tr> <tr> <td>___</td> <td>___ consultant</td> </tr> <tr> <td>___</td> <td>___ regulatory affairs/quality mgmt.</td> </tr> </table>	PRIMARY	SECONDARY INTEREST	___	___ chemistry/urinalysis	___	___ microbiology	___	___ laboratory administration	___	___ immunology/immunohematology	___	___ histology/cytology	___	___ hematology/hemostasis	___	___ generalist/public health	___	___ industry	___	___ education	___	___ phlebotomy/POC	___	___ molecular bio/genetics	___	___ consultant	___	___ regulatory affairs/quality mgmt.	<p><u>CERTIFICATION AGENCY - Check all credentials obtained as listed by each cert. agency.</u> BOC ___ MLS ___ MLT ___ other ___ AMT ___ MT ___ MLT ___ other ___ HHS ___ CLT ___ other ___ Other: _____</p> <hr/> <p><u>POSITION -circle one</u> Lab Director (Admin) Lab Manager Tech. Supervisor Staff Technologist (MLS) Staff Technician (MLT) Phlebotomist Laboratory Assistant Faculty Member/Instructor Program Director Consultant Inspector/Surveyor Marketing/Sales Other _____</p>
PRIMARY	SECONDARY INTEREST																												
___	___ chemistry/urinalysis																												
___	___ microbiology																												
___	___ laboratory administration																												
___	___ immunology/immunohematology																												
___	___ histology/cytology																												
___	___ hematology/hemostasis																												
___	___ generalist/public health																												
___	___ industry																												
___	___ education																												
___	___ phlebotomy/POC																												
___	___ molecular bio/genetics																												
___	___ consultant																												
___	___ regulatory affairs/quality mgmt.																												

Please assist ASCLS in collecting the following voluntary statistics to provide demographics for grants:

Employment Status: ___ FT ___ PT ___ STU ___ Unemployed ___ 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

Please complete and send this application with your payment to our lockbox:

ASCLS, P.O. Box 15330, Wilmington, DE 19886-5330

Phone: 202-367-1174 Fax: 202-367-2174

For fastest service, join online at <http://www.ascls.org/membership/index.asp>.

ASCLS Membership Categories and Eligibility Requirements

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

(All Membership Categories eligible for Certification Maintenance Program – see CE Options below)



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: (see attached schedule)

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*.

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: \$45 plus State Dues

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:

*Persons residing outside the U.S. are not eligible for these categories--International practitioners must join as Professional I.

STATE DUES SCHEDULE			
Professional I & II		Student	
CA	\$25	CT, FL, HI, IL, IN, IA, LA, MA, MI, MS, NE, NH, NJ, NM, NC, OH, PR, RI, SC, SD, TN, VA, WI	\$5
CO, NY	\$20	AL	\$4
TX	\$18	OK	\$3
AK, AZ, FL, HI, LA, MN, MO, MT, NC, NE, NJ, NV, OH, SD, TN	\$15	GA, KY, UT, WV	\$2
	\$12	STATES NOT LISTED	\$0
AL, AR, CT, GA, ID, IL, IN, IA, KS, KY, MA, MI, MS, NH, OK, OR, PA, PR, RI, SC, UT, VA, WA, WI, WV, WY	\$10	*First Year Professional (state dues schedule same as Professional I & II except for the states listed below)	
MD	\$6	CA - \$0, MN - \$0, NY - \$0, TX - \$9, CO - \$10, OH - \$10	
DE, ME, NM, ND, VT	\$5		

CE Options Available with Membership Go to http://www.ascls.org/?page=Edu_CMM for more information.

\$55 Certification Maintenance CE Package -- 12 contact hours of online CE from MediaLab
\$95 Certification Maintenance Plus CE Package -- unlimited online CE from MediaLab

I, _____, wish to join ASCLS as a (please circle one) Professional I / Professional II / First Year Professional / Collaborative / Student member.
 (Students, please list your expected date of graduation: _____ Mo/Yr.)

My mentor/recruiter is: Name _____ ASCLS Member No. _____

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

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

Check (payable to ASCLS) Visa MasterCard Amex

Exp. date _____ Card # _____

Name on card _____ Signature _____

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.

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

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 and to the Exhibit Hall. Please wear your name badge at all times.

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 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.**

Message Center

A message board will be maintained at the registration desk for Emergency messages. The phone number for the Lynnwood Convention Center is 888-778-7155.

Cell phone for the registration chair is 509-939-8445. Please leave a message if not answered.

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

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

Handouts ONLY Available On-line

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

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

Sponsors



The 2011 Northwest Medical Laboratory Symposium would like to extend its sincere thanks for the following companies and organizations for their support.

Advanced Instruments

ARUP Laboratories

Beckman Coulter, Inc

The Binding Site

Bio-Rad Laboratories

Diagnostica Stago, Inc.

Life Technologies

Modern Laboratory Services

North Puget Sound Society for Clinical Lab Science

Pathology Associates Medical Laboratories (PAML)

Quest Diagnostics

Sebia, Inc.

Sekisui Diagnostics

Seattle Society for Clinical Lab Science

Spokane Society for Clinical Lab Science

Siemens Healthcare Diagnostics

Sysmex America

Washington Department of Health Public Health Laboratories

Sessions at a Glance

Wednesday, October 12	AM	1	2	3	4	
		Middleware in Hem Flow Cytometry	Pediatric Pathology	Multiculturalism	Genetic Testing	
	Exhibits: 11:30 AM – 2:00 PM					
	PM	5	6	7	8	9
		Drugs of Abuse	Newborn Screening	Risk in the Lab	Red Cel Genomics & Neonatal Transfus	Bioterrorism Sentinel Lab Training
Thursday, October 13	AM	10	11	12	13	14
		Leading With Authority	Transfusion Medicine	Capillary Electrophoresis	Thrombin Inhibitor Antiphospholipid Syndrome Coag QC	Lean in the Micro Lab
	Exhibits: 11:30 AM – 2:00 PM					
	PM	15	16	17	18	
		LC-MS in the Lab: Vitamin D	Internet Based Technologies in Chem Ed	Pediatric Leukemia Acute Myeloid Leukemia	Myeloma Screening Updates	
Thurs Oct 13 Eve	Exhibits: 5:00 PM – 7:00 PM Beverages and hors d'oeuvres served					
	Eve	19	20	21	Note special fees for evening sessions. Not part of full day fee.	
		Making Clinical Corr Using Hem Data and Morph	UW Global Health Program	Shiga toxin producing <i>E. coli</i>		
Friday, October 14	AM	22	23	24	25	
		Lab Ambassadors, Prof Phlebotomists: Part 1	Hemophilia Therapy Aspirin & Plavix Sens	Transfusion Safety Platelet Transfusion OB Bleeding	Cold Cases: Rare Bugs Exposed	
	Exhibits: 11:30 AM – 2:00 PM					
	PM	26	27	28	29	30
		Lab Ambassadors, Prof Phlebotomists: Part 2	Problems in Coag Lab Molecular Hempath	Human Factors in Lab: Lessons from Aviation	Patient Safety in Lab Overview of QC	HIV: New Algorithms, Better Patient Care
Saturday, October 15	AM	31	32	33	34	35
		Prevent Lawsuits Intermed-Adv Phelebotomy	Case Presentation in Parasitology	Cytology of Body Fluids	Point of Care Testing Programs	Molecular Medicine Rapid Progression
	PM	36	37	39	Thank you for coming to the 2011 NWMLS	
		Infammation - Health and Disease	Blood Tales	Antimicrobial Drug Resistance		