

**2006**  
**NORTHWEST**  
**MEDICAL LABORATORY**  
**SYMPOSIUM**



**AMERICAN SOCIETY FOR CLINICAL LABORATORY SCIENCE**  
**REGION IX**

**AMERICAN MEDICAL TECHNOLOGISTS**  
**WESTERN DISTRICT**

Holiday Inn Portland Airport  
Portland, Oregon  
October 18 - 21, 2006

# 2006 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 18 - 21, 2006

Please bring this program with you to the symposium.

## **FREE 2007 SYMPOSIUM REGISTRATION!**

**Volunteers are needed for all 2007 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 2007, please contact any NWMLS committee member. You will be glad you did!**

## Invitation To Attend

### **WELCOME!**

We want to invite you to attend the 2006 Northwest Medical Laboratory Symposium. AMT and ASCLS in the Northwest have come together again to present a wonderful scientific program and the largest laboratory exhibitor show in the region.

Come and see the products and instruments the vendors have to offer – and catch a magic show at the opening of the exhibits! Bring a list of what to look for, and take back recommendations to your workplace to present to colleagues. This is a great way to contribute to your area of expertise.

The program will offer many national speakers on topics such as Patient Safety, Biomarkers, Molecular Testing, and Body Fluids. Christopher Frings, a nationally known speaker, will present “Riding the Roller Coaster of Change – How to Control Stress.” This sounds like a topic we could all use!

The committee has worked hard to put together a great show and we appreciate their organization and effort to bring this to fruition. Remember to thank those people identified as committee members for their hard work!

Come to Portland and enjoy the show! Share with colleagues around the Northwest and share with colleagues back home once you return. We hope to see you there!

***DONNA REINBOLD, CLS(NCA)***  
*Director ASCLS Region IX*

***EDNA M. ANDERSON, MT(AMT)***  
*AMT Western District Councillor*

# Special Notes

## ***HOTEL INFORMATION***

Special group rates are available at the Holiday Inn Portland Airport through September 26 . 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.

## ***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.oacsls.org](http://www.oacsls.org) and [www.wsscsls.org/nwmls.htm](http://www.wsscsls.org/nwmls.htm)  
Please check for session update and or cancellation information.

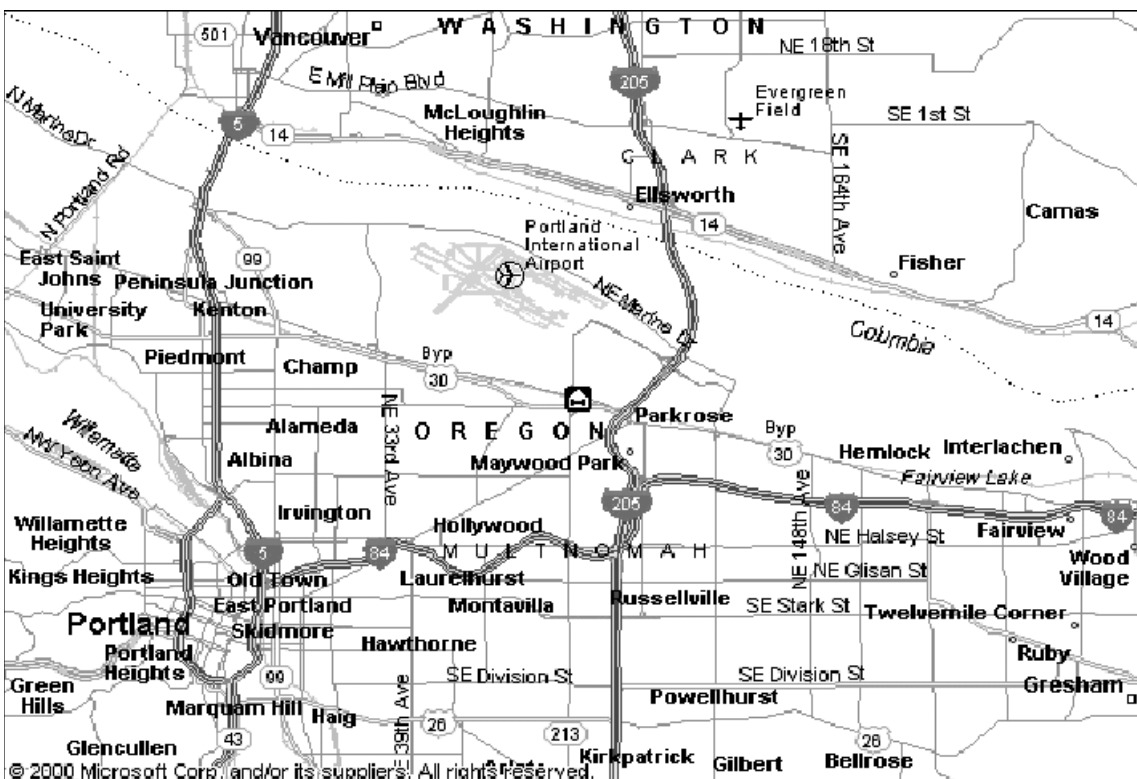
## ***P.A.C.E.<sup>®</sup> / AMTIE***

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.<sup>®</sup> program. Additionally, OACLS is approved as a provider for California clinical laboratory licensees under P.A.C.E.<sup>®</sup> 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.

## TABLE OF CONTENTS

WELCOME .....	1
SPECIAL NOTES .....	2
HOLIDAY INN DRIVING INSTRUCTIONS.....	4
HOTEL INFORMATION .....	5
SEMINAR COMMITTEES, OFFICERS, SOCIETY MEETINGS .....	6
GENERAL INFORMATION .....	7
SESSIONS, WEDNESDAY .....	8
SESSIONS, THURSDAY .....	12
SESSIONS, FRIDAY .....	16
SESSIONS, SATURDAY .....	20
EXHIBIT INFORMATION .....	24
REGISTRATION TERMS AND CONDITIONS .....	26
REGISTRATION FORM .....	27
ASCLS MEMBERSHIP APPLICATION .....	29
AMT MEMBERSHIP REQUEST .....	31
WEBSITE INFORMATION .....	32
PLAN TO ATTEND .....	32
AT A GLANCE .....	BACK COVER

## 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 18 - 21, 2006

To reserve your room at the convention rate, please complete the following information and return to Holiday Inn Portland Airport or call for a reservation no later than September 26, 2006. Reservations received after September 26 are subject to availability at our 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.

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	\$ 85.00
_____ Triple/Quad Occupancy	\$ 95.00
_____ Junior Suite	\$ 115.00
_____ Suite	\$ 135.00

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.

## 2006 NWMLS Committee

### General Chair

Cathy Otto

#### Program

Heidi Smith \*  
Meredith Case  
Jenette Durkee

#### Registration

Edna Anderson \*  
Audrienne Whitley  
Kelly Bennett

#### Exhibits

Karen Bennett \*

#### P.A.C.E.®

Joan Pankonin

#### AMTIE & Moderators

Barbara Thompson

#### Audio Visual

Melinda Winkelhake

#### Hospitality

Krista Moore

#### Program Design

Brenda Kochis

#### Finance

Heidi Smith

#### Webmaster

Brenda Kochis  
Brenda Lawing

\* denotes committee chair(s)

## Western District of American Medical Technologists Officers and Business Meetings

Western District Councillor Edna Anderson

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

### OSSAMT

President	Louise Isbell
President Elect	Willy Richardson
Secretary	George Betus
Treasurer	Clifford Colvin

OSSAMT Board Meeting  
Friday, October 20, 2006 6:30 - 8:00 AM  
OSSAMT Business Meeting  
Friday, October 20, 2006 6:30 PM

### NWSSAMT

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

NWSSAMT Board Meeting and Business Meeting  
Friday, October 20, 2006 6:30 PM

## ASCLS Officers and Business Meetings

Regional Director Donna Reinbold

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 20, 2006  
6:30 - 7:30 PM

### OACLS

President	Brenda Lawing
President Elect	Sarah Erhardt
Secretary	Tammy Weide
Treasurer	Sara Weber
Past President	Cheryl Thomas

OACLS Board Meeting  
Friday, October 20, 2006  
Follows Region IX Forum

### ASCLS-Washington

President	Molly Morse
President Elect	Mary Helen Carroll
Secretary	
Treasurer	Sammie Prebble
Past President	Carol Anderson

ASCLS-WA Board Meeting  
Friday, October 20, 2006  
Follows Region IX Forum

### CLSA

President	Marcia Souser
President Elect	Deb Greenlee
Treasurer	Irene Hemphill
Secretary	Sue Myers
Past President	Gloria Kragness



# 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	12:30 PM - 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

### **The “Ins” and “Outs” Of Hemolysis: How Do You Know?**

This session will use a case study approach to discuss in vivo and in vitro hemolysis including causes, laboratory tests that are affected by hemolysis and suggestions of how to avoid in vitro hemolysis. The audience will be encouraged to put their expertise to use and problem solve given patient histories and lab test results.

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

- ◆ Give 3 causes of in vitro hemolysis, suggest how to avoid them, and list laboratory tests that are erroneous in the presence of this phenomenon.
- ◆ Identify at least 3 causes of in vivo hemolysis and select laboratory tests to detect the cause.
- ◆ Evaluate patient case histories and differentiate the cause of hemolysis.

#### **SHIRLYN B. MCKENZIE, PHD, CLS(NCA)**

Dept. of Clinical Laboratory Sciences, UTHSCSA  
San Antonio, TX

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

### **Prion Diseases**

Prion diseases have taken the world by SHOCK. This session will focus on the nature of Prion biology, how they interact with humans and the resultant diseases with which they are associated.

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

- ◆ Describe the nature of prion biology.
- ◆ List several prion diseases.
- ◆ Explain the nature of prion/human interaction.

#### **JAMES T. GRIFFITH, PHD, CLS(NCA)**

Chancellor Professor and Chairperson  
Department of Medical Laboratory Science  
Executive Director  
UMass Center for Molecular Diagnostics  
University of Massachusetts

**Wednesday, October 18, 2006**

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

### **Biomarkers in The Diagnosis Of Prostate 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. The 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 and direct detection of the complexed PSA isoform.

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

- ◆ Define standards for prostate cancer testing.
- ◆ Discuss the clinical utility of ratio testing with free to total PSA and complexed PSA as it relates to early detection.
- ◆ Discuss limitations and predictive value of prostate cancer testing.

#### **JOLANTA KUNICKA, PHD**

Scientific Affairs Liaison for Bayer Healthcare, LLC  
Bayer Healthcare, Diagnostics Division  
Tarrytown, NY

*Sponsored by Bayer Healthcare, Diagnostics Division*

Session # 4  
8:30 AM - 12:00 PM  
3 Contact Hours  
Intermediate

### **Riding the Roller Coaster of Change: How to Control Stress Before It Controls You**

Change has not only moved into the workplace, it has moved in to stay. Learn how to use this new environment to your advantage in this informative and innovative program. Explore specific skills that can lead to a more positive response to the many "interesting" things change brings.

Also, the ever changing work environment has brought on a whole new definition to stress. An in-depth, nuts and bolts examination of the skills needed to turn stress from being a barrier into a bridge for success will conclude this session.

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

- ◆ Identify forms of resistance to change.
- ◆ Discuss survival and winning strategies for workplace change.
- ◆ Recognize the symptoms of stress.
- ◆ Discuss ways to cope, reduce, and manage stress.

#### **CHRISTOPHER S. FRINGS, PHD, CSP**

Clinical Professor  
University of Alabama at Birmingham  
Birmingham, AL

Wednesday, October 18, 2006

**Visit the Exhibits  
12:30 PM - 3:30 PM  
Magic Show with Chris Frings**

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

### **Myelodysplastic Syndromes and Leukemias**

This session will review the new WHO classification of MDS and acute leukemia using a case study approach. Biologic mechanisms of the malignant diseases will be included.

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

- ◆ Select the WHO classification for an MDS case given the clinical history and laboratory findings.
- ◆ Describe the molecular mechanism for APL and CML.
- ◆ Evaluate case histories and select laboratory tests that would help differentiate the malignancy.

#### **SHIRLYN B. MCKENZIE, PhD, CLS (NCA)**

Dept. of Clinical Laboratory Sciences, UTHSCSA  
San Antonio, TX

Session # 6  
3:30 PM - 7:00 PM  
3 Contact Hours  
Intermediate

### **Parasitology Review – Can There Really Be New Parasites?**

The many parasites that we all studied in college have been marginalized by the last quarter of the 20<sup>th</sup> century in the western world. Many have been surprised by the occasional news headline of this or that parasite disturbing our little corner of the world. Indeed we scientists are never surprised by such “news”. This session will review the basics of Clinical Parasitology and point out some of our newest concerns.

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

- ◆ Evaluate the newest and basic principles of Clinical Parasitology.
- ◆ Compare and contrast the fundamental aspects of helminthic life cycles.
- ◆ Discuss basic principles and medical threats posed by the microsporidians.
- ◆ Discuss the latest developments in the world-wide war on Malaria.

#### **JAMES T. GRIFFITH, PhD, CLS(NCA)**

Chancellor Professor and Chairperson  
Department of Medical Laboratory Science  
Executive Director  
UMass Center for Molecular Diagnostics  
University of Massachusetts  
Dartmouth, MA

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

## Cardiac Markers in Acute Coronary Syndrome and Heart Failure

Acute Coronary Syndrome (ACS) and heart failure are major users of the American health care dollar today. The definition of heart failure and ACS will be reviewed and their prevalence in the U.S. today will be explored. The use of the more common diagnostic tools such as Troponin and B-Natriuretic Peptide (BNP) will be discussed as well as the use of BNP as a diagnostic prognosticator. This session will also include an introduction to the new cardiac biomarkers IMA and MPO.

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

- ◆ Define ACS and Heart Failure.
- ◆ List the diagnostic and prognostic uses of Troponin and BNP.
- ◆ Discuss IMA and MPO.

### **JOLANTA KUNICKA, PHD**

Scientific Affairs Liaison for Bayer Healthcare, LLC  
Bayer Healthcare, Diagnostics Division  
Tarrytown, NY

*Sponsored by Bayer Healthcare, Diagnostics Division*

Session # 8  
3:30 PM - 7:00 PM  
3 Contact Hours  
Advanced

## Patient Safety

This program will focus on patient safety in health care organizations. How to develop a culture of safety, implement systems that support safety, and promote individual accountability and responsibility for safety will be discussed. The patient's role in patient safety will also be discussed.

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

- ◆ State at least 3 factors that contribute to medical errors.
- ◆ Describe at least one strategy to reduce patient risk.
- ◆ State 3 things patients can do to improve their safety or the safety of their loved one during a hospital stay.

### **SONJA NISSON, RPH, PHARM D**

Regional Manager, Pharmacy and Diabetes  
Asante Health System  
Medford, OR

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

## **A New Look at VCS Technology: Hematology Case Studies and Much More!**

The presentation will include an overview of VCS technology, an in-depth discussion of the new "Research Population Data" information currently available and a variety of Hematology case studies.

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

- ◆ Identify abnormal Hematology results, scatter patterns, and cell types.
- ◆ Apply abnormal results to specific disease states.
- ◆ Identify benefits of Research Population Data information for decision rule criteria.

### **DAWN ROBERTSON, MT(ASCP)SH**

Hematology Product Specialist  
Beckman Coulter, Inc.

*Sponsored by Beckman-Coulter*

Session # 10  
8:30 AM – 12:00 PM  
3 Contact Hours  
Intermediate

## **Urinalysis and Body Fluid Review**

Lecture and photomicrographs form the framework of this presentation on urinalysis. The chemical and microscopic examinations will be discussed including typical and atypical characteristics of urine sediment components. Tips to aid in the proper identification of microscopic elements will be shared. The importance of standardization throughout an entire urinalysis will be underscored.

The body fluid presentation will briefly discuss the physiology and composition of cerebrospinal and serous fluid formation. A primary focus is the importance of standardization in testing and the options currently available to automate body fluid cell counts.

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

- ◆ Discuss the importance of standardization in routine urine testing and how to achieve it.
- ◆ Describe distinguishing characteristics that aid in the proper identification of urine sediment components.
- ◆ Identify and discuss alterations in physiologic processes that result in "abnormal" urinalysis results.
- ◆ Discuss the cellular composition of cerebrospinal and serous fluids in health and the clinical utility of cell counts with disease.
- ◆ Compare and contrast the performance and potential for errors in manual and automated cell counts.

### **NANCY BRUNZEL, MS, CLS(NCA)**

Technical Consultant and Training Specialist  
Access Genetics, LLC  
Chisago, MN

*Sponsored by Iris*

Session # 11  
8:30 AM – 12:00 PM  
3 Contact Hours  
Intermediate

### **Mycology Review – Update of an Established Field**

Clinical mycology has evolved from the old Saccardo approach to Hughes, Barron, Tubaki-based microscopic identification and on to molecular diagnostics. This session will tie the old and the new together and look toward the greater need for mycologic identification services in the future as medical practices become more invasive and more common.

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

- ◆ Describe underlying principles of mycologic organization.
- ◆ Describe the basic biology of Zygomycetes, Ascomycetes, and Basiliomycetes.
- ◆ Describe the Dimorphic fungi.
- ◆ List the new developments in fungal biology and chemotherapy.

#### **JAMES T. GRIFFITH, PH.D., CLS (NCA)**

Chancellor Professor and Chairperson  
Department of Medical Laboratory Science  
Executive Director  
UMass Center for Molecular Diagnostics  
University of Massachusetts  
Dartmouth, MA

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

### **Managing from the Inside Out, Part 1 & 2**

This workshop is open to technologists, supervisors, managers and anyone who works with others. It concentrates on giving the participants an understanding of why “controlling” other people is ineffective, identifies the 7 deadly habits that will kill any relationship, explores the 5 basic human needs and how they show up individually and in the workplace and offers professional coaching skills as an alternative to create strong relationships with those who matter in your life, both professionally and personally.

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

- ◆ Describe why trying to “control” other people is ineffective.
- ◆ Identify the 7 deadly habits that sabotage all relationship.
- ◆ Evaluate the 5 basic human needs and how they show up personally and in the workplace.
- ◆ List professional coaching skills to use to make a difference in their interactions and relationships.

#### **SALLY GARDINER, MT(ASCP), RTC (REALITY THERAPY CERTIFIED)**

Professional Coach/Trainer  
Gladstone, OR

Thursday, October 19, 2006

**Visit the Exhibits  
12:30 PM - 3:30 PM**

Session # 13  
3:30 PM - 7:00 PM  
3 Contact Hours  
Intermediate

**Hematology Parameters in Disease Diagnosis, Prognosis and Patient Management**

Automated cell counters are widely used in modern clinical laboratories to provide reliable, fast and cost-effective complete blood counts, white blood cell differentials and reticulocyte measurements. In addition, some technologies provide novel parameters that are used in disease diagnosis, prognosis and patient management. This session will provide an overview of technical aspects of commonly used hematological testing and an understanding of their use in the clinical laboratory. Topics will include clinical impact of blood cell analysis and laboratory assessment of iron deficiency in different clinical settings. Studies on the use of reticulocyte hemoglobin content (CHr) in screening for iron deficiency and monitoring response to iron in children, hemodialysis and oncology patients will be presented.

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

- ◆ Discuss diagnostic utility of hematological parameters in rapid screening for sample abnormalities.
- ◆ Describe biochemical and hematological markers used in diagnosis of iron deficiency.
- ◆ Discuss applications of CHr in identifying iron deficiency and assessing red cell production in response to erythropoietin (EPO).
- ◆ Define unique aspects of blood cell analysis in the context of improved clinical diagnosis and optimal patient care.

**JOLANTA KUNICKA, PhD**

Scientific Affairs Liaison for Bayer Healthcare, LLC  
Bayer Healthcare, Diagnostics Division  
Tarrytown, NY

*Sponsored by Bayer Healthcare, Diagnostics Division*



Session # 14  
3:30 PM - 7:00 PM  
3 Contact Hours  
Intermediate

## **Overview of the Technologies Behind Molecular Diagnostics**

This talk will cover the “Central Dogma” of molecular biology going over the three main components that comprise the Central Dogma. It will define basic molecular biology vocabulary terms and go over the 5 step hierarchy: starting from cells and working down to DNA. The three step process of PCR and components necessary for PCR will be discussed, and the difference between PCR and RT-PCR will be explained.

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

- ◆ Discuss the concept of “Central Dogma”.
- ◆ Give the hierarchy from cells to DNA.
- ◆ Demonstrate the 3 steps of PCR.
- ◆ Differentiate between PCR and RT-PCR.

### **NICOLE ROBINSON, PhD**

Principal Applications Scientist, Medical & Scientific Affairs  
Roche Diagnostics Corporation  
Indianapolis, IN

*Sponsored by Roche Diagnostics Corporation*

Session # 15  
3:30 PM - 7:00 PM  
3 Contact Hours  
Intermediate

## **Those B-Dazzling Vitamins**

The B complex includes 8 distinct vitamins. We will look at the biochemical functions of these micronutrients and discuss evidence that supports or refutes their importance in health promotion and wellness as well as disease prevention.

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

- ◆ Describe the biochemical functions of the B vitamins.
- ◆ Illustrate how genotype impacts nutritional requirements.
- ◆ Discuss the specific changes or clinical risks associated with suboptimal intake, deficiency (short-term and long-term) and intoxication among healthy individuals and special high-risk populations.

### **SHARON M. MILLER, PhD, NCA(CLS), MT(ASCP)**

Professor Emeritus  
Northern Illinois University  
DeKalb, IL

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

## Hepatitis – A Conundrum

Viral Hepatitis is of the most difficult and challenging diseases to diagnose and understand. This session will explore the hepatitis A, B and C viruses, the biology, epidemiology, serology, symptoms, and the prevalence of acute and chronic hepatitis in the US today. The use of molecular testing, serologic testing, and assay generations for specific viral strains will be discussed. Emphasis will be on serologic testing for HCV and HBV. Acute and Chronic Panel interpretation will also be discussed.

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

- ◆ List the most common agents of viral hepatitis, including prevalence, route of infection, and risk factors.
- ◆ Describe the serological profiles and marker utilization for hepatitis A, B, and C, including resolved, chronic and immunized.
- ◆ Discuss how RNA molecular testing is used for HCV monitoring.
- ◆ Understand the differential pathogenesis of infection and recovery versus chronic infection and hepatitis B and C.

### **JOLANTA KUNICKA, PhD**

Scientific Affairs Liaison for Bayer Healthcare, LLC  
Bayer Healthcare, Diagnostics Division  
Tarrytown, NY

*Sponsored by Bayer Healthcare, Diagnostics Division*

Session # 17  
8:30 AM - 12:00 PM  
3 Contact Hours  
Intermediate

## Vitamins: Bonanza or Boondoggle

Whether acting as antioxidant, hormone or enzyme cofactor vitamins have attracted attention for their possible roles in the normal aging process and in the prevention of chronic degenerative diseases. Has the hype as to their effectiveness outstripped the clinical findings? Is there still cause for optimism regarding their therapeutic application?

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

- ◆ Identify the biochemical and physiologic functions of vitamins C, A, E, D and K.
- ◆ Describe epidemiologic studies and clinical trials that support or refute the efficacy of these vitamins in optimizing health and preventing disease.

### **SHARON M. MILLER, PhD, NCA(CLS), MT(ASCP)**

Professor Emeritus  
Northern Illinois University  
DeKalb, IL

**Friday October 20, 2006**

Session # 18  
8:30 AM - 12:00 PM  
3 Contact Hours  
Advanced

## **Coaching For Performance**

Coaching for Performance offers leaders coaching skills and techniques that help them make the transition from a conventional output-management approach to one in which the coach actively creates an environment for successful performance. People are more fulfilled when performing at high levels, and they perform at higher levels when they find their work fulfilling. Leaders who manage the conditions that create performance and fulfillment as an approach to coaching find that their people are more engaged in their work, motivated to expand their skill sets over time, and driven to success.

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

- ◆ Discuss how to draw out people's potential.
- ◆ Distinguish between a coaching focus on managing output to managing the conditions of effective performance.
- ◆ Recognize those conditions under which people are typically most productive.
- ◆ Develop a process to clarify performance expectations.

**Note: Class is limited to 15 participants.**

### **CHRISTINE L. BERGER**

Assistant Vice President, National Accounts Benefits  
Standard Insurance Company

*Sponsored by Standard Insurance Company*

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

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

## **Career Options for Laboratorians**

Tired of your current job? Feel like you have nowhere to go but out? Just graduating but not entirely sure what you "want to be when you grow up"? This session will be a panel of laboratorians who have found success and rewards in fields other than the more traditional areas. The panel will consist of several representatives from different areas in Industry, a Laboratory Inspector, and more.

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

- ◆ List the pros and cons of being a sales representative.
- ◆ Describe the particular values needed for a lab inspector.
- ◆ Identify further training needed to become an instrument service representative.

Panel of speakers to include

Sales Representative, Industry

Veterinary Lab

Point of Care Coordinator

Technical Representative, Industry

Laboratory Inspector

Laboratory Manager

Session # 20  
2:30 - 6:00 PM  
3 Contact Hours  
Advanced

## The Chemistry of RBC Disorders

This session is intended to demonstrate how red blood cell abnormalities seen on peripheral smear are related to abnormalities in the Clinical Chemistry laboratory. The focus is on microcytic anemia (iron, porphyrins and hemoglobin analysis); macrocytic anemia (vitamin B<sub>12</sub> and folate); and hemolytic anemia (haptoglobin, bilirubin and glucose-6-phosphate dehydrogenase deficiency) and will also address hemoglobinopathies.

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

- ◆ Differentiate iron deficiency anemia from anemia of chronic disease.
- ◆ Evaluate approaches to the diagnosis of vitamin B<sub>12</sub> deficiency.
- ◆ Discuss the causes of oxidative hemolysis.
- ◆ Differentiate hemoglobinopathies causing anemia (or polycythemia).

### **JAMES D. FAIX, MD**

Director of Clinical Chemistry & Immunology  
Stanford University Medical Center  
Stanford, CA

Session # 21  
2:30 - 6:00 PM  
3 Contact Hours  
Advanced

## The Analysis of Short Tandem Repeats (STR) in Forensic Science and Molecular Pathology

Short Tandem Repeat (STR) loci are widely considered to be effective for variety of applications including forensic applications, phylogenetic reconstruction and chimerism based post Haematopoietic Stem Cell Transplantation (HSCT) graft monitoring. To identify individuals, forensic scientists scan 13 DNA regions that vary from person to person and use the data to create a DNA profile of that individual (sometimes called a DNA fingerprint). There is an extremely small chance that another person has the same DNA profile for a particular set of regions. Analysis of chimerism after allogeneic hematopoietic cell transplantation is important for assessing engraftment and the early detection of graft failure. PCR analysis of STR loci highlights differences among pretransplant donor and recipient leukocytes. Loci that are different between donor and recipient are considered informative and are subsequently monitored after transplantation to determine engraftment status.

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

- ◆ Describe the basics of STR testing.
- ◆ Describe the application of STR in forensic science.
- ◆ Describe the application of STR in molecular pathology.

### **ZAHRA MEHDIZADEH KASHI, PHD**

CEO and Laboratory Director  
Kashi Clinical Laboratories  
Beaverton, OR

Session # 22  
2:30 - 6:00 PM  
3 Contact Hours  
Intermediate

## The Diagnosis of Systemic Rheumatic Disease, Vasculitis and GI and Liver Autoimmune Diseases

Talk about Alphabet Soup! This session will present the clinical as well as the laboratory observations in patients with rheumatic diseases such as rheumatoid arthritis (RA), systemic lupus erythematosus (SLE), mixed connective tissue disease (MCTD), systemic sclerosis (SSc), Sjogrens Syndrome (SS), and polymyositis/dermatomyositis (PM/DM). A discussion of the various techniques used in the identification of antibodies will include ANA, dsANA, chromatin, Sm, RNP, SS-A/Ro, SS-B/La, Scl-70, centromere, Jo-1, CCP, and the anti-neutrophil cytoplasmic antibodies (ANCA) in vasculitis.

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

- ◆ Identify the autoantibodies included in the ANA profile.
- ◆ Recognize the complex nature of antigens eliciting the immune response seen in autoimmune disease.
- ◆ Discuss the most common techniques used for the detection of RA, SLE, SS, MCTD, SSc and PM/DM.
- ◆ Differentiate C-ANCA, P-ANCA and atypical ANCA.

### CAROL PEEBLES, MS, MT(ASCP)

Scientist  
INOVA Diagnostics, Inc.  
San Diego, CA

*Sponsored by INOVA Diagnostics, Inc.*

Session # 23  
2:30 - 6:00 PM  
3 Contact Hours  
Intermediate

## Phlebotomy 102: Professionalism

As the ambassador for the clinical laboratory, the impression that the phlebotomist makes when encountering patients is a reflection on the entire operation, whether it is a hospital, private laboratory, or clinic. This session will provide an opportunity to discuss all of those aspects of patient interactions that go beyond technical expertise.

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

- ◆ Formulate a professional code of appearance.
- ◆ Define scripts that can be used when addressing patients and medical staff.
- ◆ Explain the impact of safe work practices on professional demeanor.

### DONNA CANADAY, MA Ed, MT(ASCP)

Manager of Clinical Support Services  
Salem Hospital Regional Health Services  
Salem, OR

Session # 24  
8:30 AM – 12:00 PM  
3 Contact Hours  
Intermediate

## **Diagnosis of Minimal Residual Disease in Bone Marrow and Blood in Cancer Patients**

The leukemic cell population undetectable by morphologic methods is called Minimal Residual Disease (MRD). A tremendous effort has been made to describe and characterize residual leukemic cells with regard to prognosis and therapy. Leukemic cells can be distinguished from normal haematopoietic progenitors according to morphological and cytochemical properties, karyotypic or genetic abnormalities, antigen-receptor gene rearrangements, in vitro cell growth requirements, and immunophenotype. Combinations of these techniques can detect small fraction of leukemic blasts among normal cells. This review will show possible clinical applications of these methods. This review summarizes recent approaches to acute myeloid leukemia. It discusses advantages and disadvantages of all major methods, such as cytogenetics, fluorescence in situ hybridization, flow cytometry and polymerase chain reaction, involved in the detection of minimal residual disease.

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

- ◆ Describe different approaches in the detection of MRD.
- ◆ Outline the definition and clinical significance of MRD.
- ◆ Define the advantages and disadvantages of all major methods in detecting MRD.

### **ZAHRA MEHDIZADEH KASHI, PHD**

CEO and Laboratory Director  
Kashi Clinical Laboratories  
Beaverton, OR

Session # 25  
8:30 AM – 12:00 PM  
3 Contact Hours  
Intermediate

## **Viruses and Public Health**

Several viruses, including norovirus, West Nile Virus, avian influenza, and “regular old influenza” constitute emerging threats in the Pacific Northwest. Mumps resurged this year in other parts of the country, calling the vaccine’s efficacy into question. At the same time, some new vaccines (against zoster and human papillomavirus) have put older viruses in the news. Dr. Cieslak reviews several viruses of public health importance.

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

- ◆ Describe the significance of norovirus infection as causes of foodborne outbreaks and nursing-home outbreaks.
- ◆ Discuss the morbidity, mortality, and pandemic potential of H5N1 influenza.
- ◆ State the group for which the zoster vaccine is licensed and the dose of virus in this vaccine relative to that used to prevent chickenpox.
- ◆ State the proportion of cervical cancers caused by the two most commonly implicated strains of human papillomavirus.

### **PAUL CIESLAK, MD**

Clinical Assistant Professor, Dept. of Medicine  
Oregon Health & Science University  
Portland OR

**Saturday, October 21, 2006**

Session # 26  
8:30 AM – 12:00 PM  
3 Contact Hours  
Intermediate

### **Train The Trainer**

In today's busy lab environment, new employees and students are often looked upon with mixed feelings. On the one hand, they can represent relief for your busy, over-worked, and stressed-out staff. On the other hand, how do you train them and get them up to speed in YOUR lab while still performing your regular work? How do you do both jobs at the same time and do them well? What skills are needed and can you make use of resources already available in your lab? This session will answer these questions and more and will help you become an effective trainer.

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

- ◆ Describe effective teaching techniques using different learning styles.
- ◆ Describe and implement appropriate learning activities.
- ◆ Define the effective use of assessment tools.
- ◆ Describe how to maintain professional rapport in a diverse work environment.

**CAROL ENYART, MPA, MT(ASCP)**  
Program Director, MLT Program  
Portland Community College  
Portland, OR

**JEFF JOSIFEK, MS, CLS(NCA)**  
MLT Program  
Portland Community College  
Portland, OR

*Sponsored by PALCOE - The Portland Area Laboratory Consortium on Education*

Session # 27  
8:30 AM – 12:00 PM  
3 Contact Hours  
Intermediate

### **Is Management For Me?**

Open to anyone interested in pursuing a career in management or those who are new to a management role. The session concentrates on what makes an effective manager. It explains the differences in three management styles, boss, lead and laissez-faire. It introduces emotional intelligence and the role it plays in managing others, explores some of the differences in the generations that exist in the workplace of today and discusses the transitions individuals go through when they move into a management position

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

- ◆ Identify the characteristics of a successful manager.
- ◆ Discuss the difference between boss, lead and laissez faire management and which style is most effective.
- ◆ Define what to expect as they transition into management.
- ◆ Take a self evaluation to determine is "Management for Me?"

**SALLY GARDINER, MT(ASCP), RTC (REALITY THERAPY CERTIFIED)**  
Professional Coach/Trainer  
Gladstone, OR

Session # 28  
8:30 AM – 12:00 PM  
3 Contact Hours  
Basic

## **Managing Preanalytical Variables in Specimen Collection**

The preanalytical phase of laboratory testing serves as the foundation or building block, if you will, for quality laboratory results. Without precise attention to detail and critical attention to accuracy during the collection, handling, and processing phases of diagnostic testing, the actual analysis of the specimen may become moot.

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

- ◆ Discuss the patient preparation necessary for selected laboratory tests.
- ◆ Describe the handling required for various tests.
- ◆ List the most problematical areas of the preanalytical phase.
- ◆ Identify ways to avoid the preanalytical variables.

### **SHRITA SMITH, MS, MT(ASCP)**

Manager, Global Technical Services  
BD Diagnostic Systems

*Sponsored by BD Diagnostic Systems*

Session # 29  
1:00 - 4:30 PM  
3 Contact Hours  
Advanced

## **The Role of HLA on Vaccine Development**

T-cells play a pivotal role fighting both infectious agents and cancer cells. T-cell-based immune responses are driven by antigenic peptides (epitopes), presented in the context of Human Leukocyte Antigen (HLA) molecules. Therefore, the prediction of peptides that can bind to HLA molecules has become the basis for the identification of T-cell epitopes that is important for vaccine design. HLA molecules are highly polymorphic and are expressed at vastly variable frequencies in different ethnic groups. Groups of several HLA molecules (supertypes) are used in vaccine development for the following two reasons: first, targeting of representative HLA alleles from distinct supertypes allows the immune response to be stimulated in a variety of genetic backgrounds; second, the selection of promiscuous peptide binders to those alleles included within a given supertype limits the number of peptides to be considered without decreasing the spectrum of the immune response. This presentation will describe the steps involved in development of vaccine and the role of HLA in such development.

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

- ◆ Describe the Human Leukocyte Antigen system
- ◆ Discuss the polymorphism of HLA and its effect on development of vaccine
- ◆ Discuss the process of peptide selection in development of vaccine

### **ZAHRA MEHDIZADEH KASHI, PhD**

CEO and Laboratory Director  
Kashi Clinical Laboratories  
Beaverton, OR



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

### **Saliva Testing: What, When, and Why**

This session will explore the physiology of saliva hormone testing and the role of the medical technologist. The advantages and disadvantages of using saliva as the tested specimen will be discussed.

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

- ◆ Describe the physiology of the salivary system.
- ◆ Describe how hormones can be detected in saliva.
- ◆ Describe the role of the medical technologist in saliva testing.
- ◆ Describe quality control systems of saliva testing.

#### **JOANNA JENKINS, MT(ASCP)**

Laboratory Director  
Kashi Animal Lab  
Beaverton, OR

#### **ALISON McALLISTER, ND**

Clinical Consultant  
ZRT Laboratories  
Beaverton, OR

Session # 31  
1:00 - 4:30 PM  
3 Contact Hours  
Intermediate

### **Getting the Most Out of Your EP Evaluator Program**

After a brief introduction to the EP Evaluator program, this session will focus on the individual modules. Each module will be examined and what you, the user, can do with them will be explored.

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

- ◆ Create a method validation plan for your laboratory.
- ◆ Determine the allowable total error for a given procedure.
- ◆ Develop a QC evaluation plan for your laboratory.

#### **DAVID G. RHOADS, PhD, DBACC**

President  
David G. Rhoads Associates, Inc  
Kennett Square, PA

*Sponsored by David G. Rhoads Associates, Inc.*

## ***EXHIBITORS & EXHIBIT HALL INFORMATION***

For the past 23 years our *Partners from Industry* have brought the latest and greatest instrumentation, supplies, and test methodologies available to the laboratory today. As technology expands to aid in the diagnosis and health care of the public today, it is the participation of our vendors that brings the newest products to our meeting for display and demonstrations.

The Exhibit Hall at the NW Medical Laboratory Symposium has been considered the “The Greatest Product Show in the Pacific Northwest” and this year we have an appropriate opening for the exhibits—a Magic Show! Dr. Christopher Frings will perform magic acts during the first hour the Exhibit Hall is open in the Columbia Conference Center, Wednesday, October 18.

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. Please 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	Inverness Medical
Antek HealthWare	Iris Diagnostics
Bayer Healthcare	Kaiser Permanente
BD Vacutainer Systems	Legacy Laboratory Services
Beckman Coulter, Inc.	Mayo Reference Services
Bio-Rad Laboratories	Meridian Instrument Company
Cardinal Health	Modern Laboratory Services, Inc.
Care Fusion, Inc.	Olympus America Inc.
Centerchem, Inc.	Orchard Software Corporation
Clinical Data	Ortho-Clinical Diagnostics
Dade Behring Inc.	PAML-PACLAB
Diagnostic Products Corporation	Portland Area Consortium for Education
Diagnostica Stago, Inc.	Primus Corporation
Fisher Healthcare	Quest Diagnostics Inc.
Focus Diagnostics	Remel Inc
Genzyme Diagnostics	Roche Diagnostics
Greiner Bio-One	Sebia Electrophoresis
Hardy Diagnostics	Smiths Medical
INOVA Diagnostics, Inc.	Specialty Laboratories
Instrumentation Laboratory	Sysmex America
Intermountain BioMedical Services	The Binding Site
TimeMed Labeling Systems, Inc.	

## ***EXHIBIT HOURS***

WEDNESDAY, OCTOBER 18	EXHIBIT OPENING	<b>12:30 – 3:30 P.M.</b>
“MAGICAL” DR. CHRISTOPHER FRINGS		<i>Beverages &amp; Hors d’oeuvres</i>
THURSDAY, OCTOBER 19		<b>12:30 – 3:30 P.M.</b>
		<i>Beverages &amp; Hors d’oeuvres</i>
FRIDAY, OCTOBER 20	EXHIBIT CLOSING	<b>11:30 A.M. – 2:30 P.M.</b>

## ***EXHIBITOR PRODUCT LIST***

**Abbott Diagnostics:** Architect Ci8200; CellDyn Sapphire; CellDyn Ruby; Accelerator Decision Manager.  
**Antek HealthWare:** Advanced information software products for the laboratory.  
**Bayer Healthcare:** Advia 1800 Chemistry System; Centaur XP; HIV 1/0/2; LiPA 2.0 Next Generation HCV Genotyping Assay.  
**BD Vacutainer Systems:** Push button blood collection set; Eclipse with PAH; Luer-Lok access device.  
**Beckman Coulter, Inc.:** DxC800; DxI/Access 2; LH750/LH500; AcT Series; ACL TOPS/Advance; ACL 8000.  
**Bio-Rad Laboratories:** D-10 with rack loader; Variant II Turbo; ANA (p-ANCA); Informatics.  
**Cardinal Health SP**  
**Care Fusion, Inc.:** "Solutions at the Point of Care."  
**Centerchem, Inc.:** Pefakit PiCT; QuikCoag Reagents & Controls; Pefakit APC-R.  
**Clinical Data:** Envoy 500; Excyte Pro Diff5.  
**Dade Behring Inc.**  
**Diagnostic Products Corporation**  
**Diagnostica Stago, Inc.:** Coagulation instruments and reagents.  
**Fisher Healthcare:** Trinity; Tosoh; MAS; Olympus; Accumetrics; Biosite; StanBio  
**Focus Diagnostics:** Infectious and immunological disease diagnosis.  
**Genzyme Diagnostics:** BV Blue; Trichomonas; Influenza; Ultra Strep A.  
**Greiner Bio-One:** VACUETTE® transport line.  
**Hardy Diagnostics:** Strep Pro; Hardy Chrom; MycoVue; Carrot Broth; Anti Sera.  
**INOVA Diagnostics, Inc.:** Autoimmune disease diagnosis.  
**Instrumentation Laboratory**  
**Intermountain BioMedical Services, Inc.:** ABX Pentra 400.  
**Inverness Medical:** Binax S. pneumo; Binax Legionella; Clearview FOBT; CDiff A/B.  
**Iris Diagnostics:** Urinalysis systems.  
**Kaiser Permanente**  
**Legacy Laboratory Services:** Molecular testing; Cytogenetics/medical genetics.  
**Mayo Reference Services**  
**Meridian Instruments:** 50i Microscope; D5 Camera.  
**Modern Laboratory Services, Inc.:** Dade Behring Dimension; DPC Immulite 1000/2000; Sysmex pocH-100i; ITC new ProTime; Bayer Clinitek STATUS; Streck ESR.  
**Olympus America Inc.:** Microscopes and Imaging Systems.  
**Orchard Software Corporation:** LIS  
**Ortho-Clinical Diagnostics:** ProVue; Vitros 5.1 FS; ID-TMS Gel test; e-Connectivity® Interactive System Management.  
**PALCOE:** Portland Area Laboratory Consortium for Education.  
**PAML-PACLAB:** Laboratory, toxicology testing; Long Term Care Services.  
**Primus Corporation:** Full range testing and instrumentation for A1c (glycohemoglobin.)  
**Quest Diagnostics Inc.:** Enhanced color reports; Flow Cytometry; Plasma-based leukemia testing; Cancer of unknown primary testing.  
**Remel Inc.:** Microbiology products.  
**Roche Diagnostics:** COBAS® 6000; Urisys™ 1800; Light Cycler 2.0.  
**Sebia Electrophoresis:** CAPILLARYS™ 2; CAPILLARYS™ Hemoglobin; CAPILLARYS™ Immunotyping.  
**Smiths Medical:** Saf-T Wing; The Edge Hypodermic Needle; Venipuncture Needle-Pro.  
**Specialty Laboratories**  
**Sysmex:** Hematology, chemistry, and urinalysis products.  
**The Binding Site:** Serum Free Light Chains Analysis; DSX ELISA Analyzer; AutoImmune & Infectious Disease ELISA.  
**TimeMed Labeling Systems, Inc:** Healthcare labeling.

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 received before September 29, 2006. 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 2006 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.wsscls.org](http://www.wsscls.org) or [www.oacls.org](http://www.oacls.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](mailto:EMA46@comcast.net)

2006 Northwest Medical Laboratory Symposium  
 October 18 - 21, 2006  
 Holiday Inn Portland Airport, Portland, Oregon

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

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

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

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

**ADVANCE REGISTRATION FEE SCHEDULE (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	@ \$ 75.00	\$ _____
Half Day .....	_____ half days	@ \$ 40.00	\$ _____
Phlebotomist/RMA/COLT			
Full Day .....	_____ days	@ \$ 35.00	\$ _____
Half Day .....	_____ half days	@ \$ 20.00	\$ _____
Student/Emeritus/Honorary .....	_____ days	@ \$ 35.00	\$ _____

**Collaborative ASCLS Member**

Full Day .....	_____ days	@ \$110.00	\$ _____
Half Day .....	_____ half days	@ \$ 60.00	\$ _____

**NonMember**

Technical/Administrative Professional			
Full Day .....	_____ days	@ \$145.00	\$ _____
Half Day .....	_____ half days	@ \$ 75.00	\$ _____
Phlebotomist/RMA/COLT			
Full Day .....	_____ days	@ \$ 65.00	\$ _____
Half Day .....	_____ half days	@ \$ 35.00	\$ _____
Student NonMember .....	_____ days	@ \$ 35.00	\$ _____

**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 2006 NWMLS

**Please Postmark by September 29, 2006**



**APPLICATION FOR MEMBERSHIP  
American Society for Clinical Laboratory Science**

Name	Date of Application		
Company (School)	Department		
Address (School)	City	State/Province	Postal Code
E-mail Address	( ) Telephone	( ) Fax	
Home Address	City	State/Province	Postal Code
( )	<input type="checkbox"/> Check here if you want to receive your ASCLS mail at home		
Home Phone _____			
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 __ (a) MT __ (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  
(l) 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 SS# \_\_\_\_\_

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 - \$92; Professional II - \$70; **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: \$40

**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 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 States Dues: (see schedule below)

\*Persons residing in foreign countries are not eligible for these categories—only the Professional 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: Edna Anderson  
Western District Councillor  
1397 Redwood St NW  
Salem, OR 97304-1940

The 2006 NWMLS Program and a registration form are available on the Internet at the Washington and the Oregon State Society web sites or the AMT Web site at the following URLs:

<http://www.asclsr9.org>

<http://www.wsscls.org>

<http://www.oacsls.org>

[http://www.amt1.com/site/epage/1124\\_315.htm](http://www.amt1.com/site/epage/1124_315.htm)

Updates and other information will be provided through these site. Please check this site 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 Spring Seminar

May 3 - 5, 2007

Newport, OR

### ASCLS-WA / NWSSAMT Spring Seminar

April 2007

Tri-Cities, WA

### AACC / ASCLS National Meeting

July 17 - 21, 2006

San Diego, CA

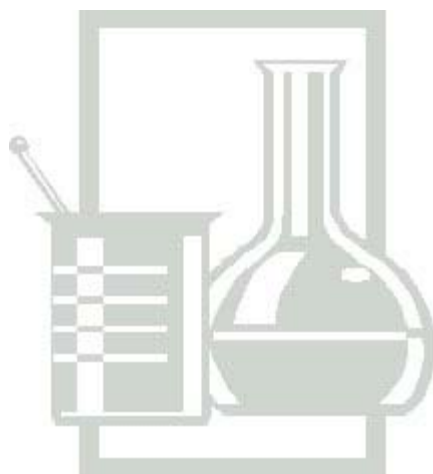
### AMT National Meeting

July 9 - 14, 2007

Orlando, FL

### Northwest Medical Laboratory Symposium

To Be Announced for 2007



## At A Glance

<b>Wednesday, October 18</b>					
	1	2	3	4	
8:30 AM to 12:00 PM	The "Ins" and "Outs" of Hemolysis	Prion Diseases	Biomarkers in Dx of Prostate Cancer	Roller Coaster of Change	
Lunch 12:00 to 1:00 PM Exhibits Open at 12:30 with MAGIC from Chris Frings					
	5	6	7	8	
3:30 PM to 7:00 PM	Myelodysplastic Syndromes & Leukemia	Parasitology Review	Cardiac Markers in Acute Cardiac Syndrome	Patient Safety	
<b>Thursday, October 19, 2006</b>					
	9	10	11	12	
8:30 AM to 12:00 PM	New Look at VCS Technology in Hematology	Urinalysis and Body Fluid	Mycology Review	Managing From the Inside Out	
Lunch 12:00 to 1:00 PM Exhibits Open at 12:30 to 3:30 PM					
	13	14	15	12	
3:30 PM to 7:00 PM	Hematology Parameters in Disease	Technologies Behind Molecular Dx	Those B-Dazzling Vitamins	Managing cont.	
<b>Friday, October 20, 2006</b>					
	16	17	18		
8:30 AM to 12:00 PM	Hepatitis - A Conundrum	Vitamins: Bonaza or Boondoggle	Coaching For Performance		
Lunch 12:00 to 1:00 PM Exhibits Open at 11:30 to 2:30 PM; Exhibits close at 2:30 pm					
	19	20	21	22	23
2:30 PM to 6:00 PM	Career Options Panel	Chemistry of RBC Disorders	Analysis of STR in Forensic Science	Dx of Systemic Rheumatic Diseases	Plebotomy 102 Professionalism
<b>Saturday, October 21, 2006</b>					
	24	25	26	27	28
8:30 AM to 12:00 PM	Dx of Minimal Residual Disease	Viruses & Public Health	Train the Trainer	Is Management for Me?	Managing Preanalytical Variables in Specimen Collection
Lunch 12:00 - 1:00 PM					
	29	30	31		
1:00 PM to 4:30 PM	Role of HLA on Vaccine Development	Saliva Testing	EP Evaluator		

Northwest Medical Lab Symposium  
Edna Anderson  
1397 Redwood St NW  
Salem, OR 97304-1940

PRESORT STD  
U.S. POSTAGE  
PAID  
PERMIT NO. 246  
SPOKANE, WA

---

2006 Northwest Medical Laboratory Symposium

Holiday Inn Portland Airport  
Portland, Oregon  
October 18 - 21, 2006