

2011 Hawaii ASCLS/CLMA Annual Meeting & Exhibits

Honolulu Country Club • Honolulu • May 9 – 11, 2011



Affiliate of the American Society for
Clinical Laboratory Science

Aloha Chapter



THE RESOURCE FOR LABORATORY PROFESSIONALS

E komo mai kakou! Welcome everyone!

Benjamin Franklin quoted, “nothing is more certain than death and taxes.” Socrates was attributed with the quote, “only change is certain.” Franklin was expressing that there are few things that happen with reliability. Socrates was pragmatic by noting that changes are sure to happen. I’d like to point out that one thing is certain with the Annual Meeting and Exhibits. The AME Committee works tirelessly to improve each successive meeting. We respond to your input. We cannot stress how important those evaluation forms are.

A major change to the 2011 AME is that we are electronic. Program booklets are not printed or mailed resulting in major cost and time savings. We have a conference website so encourage everyone to visit it and refer others to visit it. Going electronic is also the green thing to do.

As the 2011 General Chairperson, assisted by Skip Keane, the CLMA Co-Chair, it is an honor and privilege to send out this letter of welcome. AME cannot happen without the hard working ASCLS and CLMA members that have put much effort into making it so successful. Give them your thanks when you see them.

Program Committee: Susan Naka ASCLS Chair, Skip Keane CLMA Co-Chair, Ester Au-Do, Clarence Bermejo, Salina Bliss, Ali Horie, Pam Kaalakea, Kent Kitagawa, Terrie Koyamatsu, Wanda Nakamura, Lynne Ramirez, Susan Taura, Ryan Tsuji

Facilities: Lynne Ramirez, Aldine Brown, Rob Lahoe

Registration: Gale Fujitani, Yvonne Yamashita and Amy Nye from UH Conference Center

Exhibits: Eben Chun, Ryan Tsuji

Website: Leslynn Perry

Finance and PACE: Linda Sakuda

In addition, we would also like to thank the volunteers who may not be officially part of any committee. They help to introduce speakers, assist AV, handle evaluation forms, and many other tasks essential to holding a conference. Offer them your thanks as well.

Enjoy the 2011 AME. We'll see you at the Honolulu Country Club.

Sheri M. Gon, ASCLS AME Chair

Skip Keane, CLMA AME Co-Chair

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THE RESOURCE FOR LABORATORY PROFESSIONALS

Aloha and welcome to the 2011 Hawaii ASCLS/CLMA Meeting & Exhibits.

A heartfelt welcome to all attendees, vendors, and speakers to the ASCLS/CLMA meeting and exhibits!

While this meeting has been a tradition for 61 years, we should not take it for granted. Thanks to the tireless dedication of this committee, the entire three days will run extremely smoothly with minimal glitches. Those who have attended meetings elsewhere have suggested that we conduct workshops so that other states can learn from our success.

As often happens, the ASCLS President and the CLMA president are featured speakers at this meeting. Our very own Marcia Armstrong, from Hawaii, is currently the ASCLS President. Yes, she is *THE PRESIDENT* of ASCLS, and will be conducting a workshop during this session. Rodney Forsman, the CLMA President will also present. Please congratulate Marcia and Rodney and ask about their insights as “da Prez”.

Why come at all? Studies show that smart, skilled employees become satisfied, productive employees. This meeting is an opportunity to grow, learn, network, and –oh– have a good time too. There are educational sessions on almost any aspect of the laboratory profession, from the bench, to management and training, to government affairs and its impact on the laboratorian. Added value comes from joining as a member in ASCLS or CLMA, to add your voice when we advocate our profession.

Please take time to enjoy our continuing education sessions, attend the business meeting of ASCLS-Hawaii, and visit the exhibits. And please thank the sponsors who are so instrumental in bringing in our speakers and making this meeting possible.

The AME committee members and board of ASCLS-Hawaii and CLMA-Aloha chapter will be present throughout the meeting and exhibits. We look forward to meeting you and listening to your thoughts and concerns about the Laboratory profession.

See you there,

Marcella Yee
President
ASCLS – Hawaii

Eben Chun
President
CLMA, Aloha Chapter

2011 HAWAII ASCLS / CLMA ANNUAL MEETING & EXHIBITS

GENERAL INFORMATION

Website www.HawaiiClinLabConference.org

Registration

Registration Desk, located in the lobby of the Honolulu Country Club

Monday, May 9, 2011 9:00 a.m. – 10:00 a.m.

Tuesday, May 10, 2011 7:30 a.m. – 10:00 a.m.
11:30 a.m. – 4:30 p.m.

Wednesday, May 11, 2011 7:30 a.m. – 10:00 a.m.
11:30 a.m. – 4:30 p.m.

Lunch

Monday, May 9, 2011 12:00 p.m. – 1:30 p.m.

Tuesday, May 10, 2011 12:00 p.m. – 1:30 p.m.

Wednesday, May 11, 2011 12:00 p.m. – 1:30 p.m.

Exhibits

Main Conference Room

Tuesday, May 10, 2011 1:00 p.m. – 5:00 p.m.

Wednesday, May 11, 2011 11:30 a.m. – 4:00 p.m.

ASCLS–Hawai‘i Annual Business Meeting

Annual Business Meeting

Monday, May 9, 2011

Marcella Yee

President, ASCLS-Hawaii

6:00 p.m.

Room – To be determined

Workshop #1 Intermediate	Monday, May 9	10:00 – 12:00 pm	2.0 Contact Hours
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The Lab and the Clinician: What should the Clinician want and need from the Lab

Ramani S. Wonderling, PhD
 U.S. Scientific Affairs Manager, Western Region
 Abbott Laboratories
 Abbott Park, Illinois

Sponsored by Abbott Diagnostics

Diagnostic test results from the lab guide the clinicians in making the correct clinical diagnosis of the patient and also their decision for various therapeutic interventions. Therefore, the Lab plays a direct and critical role in helping the clinician come to the right conclusion about the patient condition. Diagnostic tests have evolved over the years to provide early and accurate diagnosis of various diseases and disorders. This presentation will focus on the new developments in the diagnostic assays and the established, revised and new guidelines in the key diagnostic areas such as Cardiac, Cancer, Hepatitis, HIV and Therapeutic Drug Monitoring (TDM) to demonstrate how the lab could further help and guide the clinician with early and accurate diagnosis that could result in better patient outcomes.

Objectives:

1. Describe the new developments in the diagnostic assays for Cardiac, Cancer, Hepatitis, HIV and Therapeutic Drug Monitoring (TDM).
2. Review the established, revised and new guidelines for diagnostic testing

Workshop # 2 Intermediate	Monday, May 9	10:00 – 12:00 pm	2.0 Contact Hours
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Remedial, Preventive, and Corrective Action

Lucia M. Berte, MA, MT(ASCP), SBB, DLM, CQA, CMQ/OE(ASQ)
 President
 Laboratories Made Better! P.C.
 Broomfield, Colorado

Sponsored by ASCLS-Hawaii

Remedial, corrective, and preventive actions are three different action types used at three completely different times in a laboratory's quality management system (QMS). However, the use of the acronym "CAPA" leads many readers to assume that corrective and preventive actions are equivalent and/or sequential. This program overviews remedial, corrective, and preventive actions, along with their respective links to quality reporting and continual improvement in a laboratory's QMS. Key features of paper and electronic tracking systems are also presented. Attendees will participate in the discussion of case examples to test knowledge of correct applications of terms and actions.

Objectives:

1. Compare and contrast key features of remedial, corrective, and preventive actions.
2. Identify situations in which remedial, corrective, and preventive actions should be used.
3. Apply remedial, corrective, and preventive actions to laboratory situations.

Workshop #3 Intermediate	Monday, May 9	10:00 – 12:00 pm	2.0 Contact Hours
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New and Emerging Infectious Diseases

Jay M. Lieberman, M.D.

Medical Director, Infectious Diseases

Focus Diagnostics, Inc.

Cypress, California

Sponsored by Focus Diagnostics, Inc.

Infectious diseases are unique among the disciplines of medicine in that new or previously undescribed diseases can emerge at any time. In our global society, a new viral or bacterial infection can be just a plane ride or mosquito away. The emergence of diseases such as SARS, pandemic H1N1 influenza, West Nile virus, and chikungunya virus highlight our vulnerability to new and emerging infectious diseases, and our need to be ready to diagnose and deal with these threats to our health.

Objectives:

1. Describe how new and emerging infectious diseases can spread rapidly in today's global society.
2. Describe the important role animals can play in the emergence of new infectious diseases among humans.
3. Explain the important role diagnostic testing plays in identifying and controlling new infectious diseases.
4. Identify 4 infectious diseases that have emerged in the past 10 years.

Workshop #4 Intermediate	Monday, May 9	10:00 – 12:00 pm	2.0 Contact Hours
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Improving Your Skills in the Identification of Blood Group Antibodies

Eric Ching, MT (ASCP), SBB

System Specialist

Western Canada Blood Bank System

Calgary, Alberta

Sponsored by Immucor

Inconclusive antibody identification is often a frustrating experience for most blood bankers. It is particularly true when there is pressure to meet the immediate demand of blood transfusion. The first part of this intermediate to advanced level work shop will explore the common reasons causing inconclusive results. The workshop speaker will then share his "tricks of the trade" using his "serological tool box" to solve inconclusive antibody identification by means of case studies.

Objectives:

1. Recognize and list reasons why inconclusive antibody identification occurs.
2. Assemble pertinent information and analyze initial serological characteristics of the unknown antibody.
3. Build assumptions and set up tests to prove or refute the hypothesis. Check for consistency before drawing a conclusion.
4. Acknowledge the importance of communication with medical staff and discuss with blood bank medical director on possible alternatives when immediate blood transfusion is not an option.

Workshop #5 Intermediate	Monday, May 9	1:30 – 3:30 pm	2.0 Contact Hours
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Method Validation – Theory to Practice

Daniel M. Hoefner, PhD, DABCC, FACB

Director, Technology & Development

Health Diagnostic Laboratory, Inc.

Richmond, Virginia

Sponsored by AACC

To ensure the best patient care, lab results must be as accurate and precise as possible. However, it takes robust method evaluations to achieve this goal. In addition, a large part of a successful accreditation process centers on the performance of proper evaluation studies by your laboratory. The method validation process can seem difficult to understand and complicated to perform. Therefore, the focus of this session will be to help you master the processes and correctly explain and utilize the results. Techniques for performing the required studies will be presented and reinforced with real-life examples. You'll also learn tactics for validating the analytical measurement range (AMR) and other parameters, for performing parallel reagent checks, and assessing analyte stability. Plus, you'll gain a thorough understanding of the regulatory agency requirements that drive these practices.

Objectives:

1. Construct & perform method evaluations, using the appropriate techniques and tools.
2. Validate manufacturer's performance claims for reagents and instruments.
3. Compare the performance of new and predicate methods.
4. Apply graphical analyses to evaluate the laboratory data.

Workshop #6 Basic	Monday, May 9	1:30 – 3:30 pm	2.0 Contact Hours
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Vitamin D – Why Does my Lab get so Many Requests?

David F. Schaffner, PhD, MT (ASCP)

Scientific Affairs Manager

Beckman Coulter, Inc.

Brea, California

Sponsored by Beckman Coulter, Inc.

Many laboratories have seen a steady increase in the number requests for vitamin D levels over the past couple of years. This presentation will attempt to explain the recent increased interest in vitamin D. The presentation will begin with a brief review of the normal physiological role of vitamin D and then look at its association with various disease states. The epidemiology of vitamin D deficiency will also be presented along with a discussion on the analytical aspects of vitamin D analysis.

Objectives:

1. Describe the physiological role of vitamin D.
2. Discuss the relationship between vitamin D levels and risk for various diseases.
3. Identify the most effective way of assessing vitamin D status.

Workshop #7 Intermediate	Monday, May 9	1:30 – 3:30 pm	2.0 Contact Hours
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From the Pediatric Infectious Disease Case Files

Jay M. Lieberman, M.D.
 Medical Director, Infectious Diseases
 Focus Diagnostics, Inc.
 Cypress, California

Sponsored by Focus Diagnostics, Inc.

Clinicians are sometimes challenged by patients who present with relatively rare infectious diseases or unusual manifestations of more common infectious diseases. In this presentation, cases of children who were seen at a Children’s Hospital with fevers, rashes, and other signs and symptoms of infectious diseases are discussed to emphasize how clinicians must take thorough histories, perform careful physical examinations, and use imaging studies and the clinical laboratory appropriately to be able to make a diagnosis.

Objectives:

1. Describe the clinical manifestations of a variety of infectious diseases seen in pediatric patients.
2. Explain how clinicians use the presenting history, physical examination, and imaging studies to develop a differential diagnosis in children presenting with signs and symptoms of an infectious disease.
3. Identify the important role that the clinical laboratory plays in helping the clinician diagnose certain infectious diseases.

Workshop #8 Basic	Monday, May 9	1:30 – 3:30 pm	2.0 Contact Hours
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If Only You Could Have a Do-Over: A Customer Service Case Study

Cherie V. Petersen, BA
 Teaching Specialist
 ARUP Laboratories
 Salt Lake City, Utah

Sponsored by ARUP Laboratories

How many times have you walked away from a situation wishing you could have a do-over? Well, I’m betting, let’s say...oh...about 150 million dollars, that United Airlines would like to have a do-over after their run-in with Dave Carroll and his band! Never has the customer service mantra: “Do the right thing” meant more than it will after you hear Dave Carroll’s story. This session will use a case study approach to look at the impact customer service providers have on customers and the businesses they represent, as well as the ability of customers to impact the reputation and finances of a business. If you’ve ever thought to yourself, “oops, oh well, no big deal, nobody will know, and nothing will REALLY happen” you may just think differently after this session!

Objectives:

1. Explain the value of simply “doing the right thing” when it comes to customer service.
2. Identify the vast resources available to customers, especially when motivated by the right set of circumstances.
3. Describe both the positive and negative impact just one employee can have on just one customer, but affect an entire organization and possibly even start an international dialogue.
4. Describe the role customer service plays in the positive outcomes of customer experiences.

Workshop #9 Intermediate	Monday, May 9	1:30 – 3:30 pm	2.0 Contact Hours
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Training at the Bench: Who, What, When and How

Marcia Armstrong, MS, MLS (ASCP)
 President, ASCLS
 Honolulu, Hawaii

Who is the trainee? What do they need to know? When and how should the training take place? It is always a challenge for laboratory personnel to train individuals who have different set of skills, knowledge and perspectives. This presentation will focus on the current generation as the trainee and the challenges involved in working with novice laboratorians to prepare them to be a productive member of the health care team.

Objectives:

1. Define the characteristics of the student/trainee.
2. Develop a training program based on the skills and knowledge of the trainee.
3. Evaluate the trainee to determine job readiness.

Workshop #10 Basic	Monday, May 9	4:00 – 6:00 pm	2.0 Contact Hours
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Medical Technology Program: Past, Present and Future

Aldine M. Brown, MSA, MLS(ASCP)
 Manager, Laboratory
 Kuakini Medical Center
 Honolulu, Hawaii

Katrina P. Ghazanfar, Ph.D., MT(ASCP)
 MLT Program Director
 Kapiolani Community College
 Honolulu, Hawaii

Stacia Takeuchi, MT(ASCP)
 Supervisor, Education and Development
 Diagnostic Laboratory Services, Inc.
 Aiea, Hawaii

Dick Y. Teshima, MPH, MT(ASCP)
 MT Program Director
 University of Hawaii, Manoa
 Honolulu, Hawaii

Sheri M. Gon, MT (ASCP), MPH
 Instructor, Department of Medical Technology
 University of Hawaii, Manoa
 Honolulu, Hawaii

Many of the medical technologists employed in Hawaii earned their degrees from the University of Hawaii at Manoa Medical Technology program. This particular program has a long and venerable history producing laboratory professionals found throughout the nation and beyond.

A nation-wide recession in 2008 forced many institutes of higher learning to reduce operational costs by whatever means possible. Across the nation, numerous laboratory professional programs were cut by university administrations in the hopes of saving money. Likewise, the UHM Medical Technology program was threatened with closure.

Attend this panel presentation to learn what series of events transpired and led to a redesign of the UHM Medical Technology Program into a “career pathway” and avoid possible closure. Bring your questions and concerns so our panelists can address them.

Objectives:

1. Describe at least 2 challenges that influenced the restructure of the Medical Technology program.

2. Describe the “career pathway” curriculum between the MLT and MT program.
3. Formulate how employers, the KCC MLT, and UHM MT programs can work together to produce desirable lab professionals.

Workshop #11 Basic	Monday, May 9	4:00 – 6:00 pm	2.0 Contact Hours
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Prostate Health Update

David F. Schaffner, PhD, MT (ASCP)
 Scientific Affairs Manager
 Beckman Coulter, Inc.
 Brea, California

Sponsored by Beckman Coulter, Inc.

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

Objectives:

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

Workshop #12 Intermediate	Tuesday, May 10	8:30 – 12:00 pm	3.0 Contact Hours
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Writing Better Documents

Lucia M. Berte, MA, MT(ASCP), SBB, DLM, CQA, CMQ(ASQ)
 President
 Laboratories Made Better! P.C.
 Broomfield, Colorado

Sponsored by ASCLS-Hawaii

Documents are meant to be management’s guidance to the staff on how work is to be performed, yet they are not used as they are meant because they are often too long, incomplete, inconsistent, outdated, in different versions, and much important information is buried or cannot be found. This workshop presents a fresh approach to the four (4) different types of documents and their uses in the medical laboratory. Suggestions are provided for templates more appropriate to the manner in which laboratory work is really performed. Attendees will participate in group work to emphasize and practice new principles about laboratory documents.

Objectives:

1. Differentiate between policy, process, and procedure as both concepts and documents.
2. Document laboratory workflow in process flowcharts.
3. Develop different types of templates for procedure documents.
4. Translate “NCCLS SOPs” into more effective and meaningful documents.

Workshop #13 Intermediate	Tuesday, May 10	8:30 – 12:00 pm	3.0 Contact Hours
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Body Fluid Cell Morphology

Marian J. Cavagnaro, MS Mgmt, MLS (ASCP) DLM
 Director, Laboratory Services
 Memorial Hospital West
 Pembroke Pines, Florida

Sponsored by Diagnostic Laboratory Services, Inc.

Registration for this workshop will be limited to 30 participants.

Tests performed on cerebrospinal, serous and synovial fluids are critical to patient care. This wet workshop (using microscopes and glass slides) is designed for the medical laboratory scientist who performs microscopic examination of body fluids. Emphasis is placed on microscopic identification of the cellular components of cerebrospinal, serous and synovial fluids. The assessment of morphological differences in benign, reactive, and malignant body fluids is accomplished through the use of cytopsin preparations stained with Wrights stain and case study discussion.

Objectives:

1. Describe cell counting procedures and cytopsin differential preparation procedures for CSF, synovial and serous Fluids.
2. Distinguish normal and abnormal cellular elements in CSF, synovial and serous Fluids.
3. Correlate morphological findings with clinical findings using case presentations and glass slides in a wet workshop.

Workshop #14 Basic	Tuesday, May 10	8:30 – 12:00 pm	3.0 Contact Hours
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Point-of-Care Testing and the CLIA Survey

Gary Yamamoto, BA, MT (ASCP)
 Laboratory Consultant
 U.S. Dept. of Health & Human Services, CMS
 San Francisco, California

Sponsored by Centers for Medicare & Medicaid (CMS)

This session will include a discussion of how CMS performs CLIA surveys related to point-of-care-testing. Topics include the CLIA test categories, the CLIA survey process, and the CLIA requirements applicable to the category of tests. A CMS representative will also discuss CMS' current CLIA policy for the electronic health record (EHR) and the potential affect on laboratory services.

Objectives:

1. State the CLIA requirements for waived point of care tests.
2. State the CMS' policy for onsite CLIA surveys.
3. Name the CLIA survey process.
4. Identify new CLIA terminology related to the electronic health record (EHR).
5. Describe CLIA's equivalent quality testing (EQC).

Workshop #15 Intermediate	Tuesday, May 10	8:30 – 12:00 pm	3.0 Contact Hours
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Practical Applications of QC Principles

Michael Toyoshima, MT (ASCP) SC, CLS

Technical Support Advisor

Bio-Rad Laboratories

Irvine, California

Sponsored by Bio-Rad Laboratories

This lecture presents more than just a practical overview of basic/intermediate concepts in quality control. It provides an examination of some creative applications of QC in a working environment. Inappropriate quality control practices waste time and resources, and may lead to the release of incorrect patient results. Attend this workshop to evaluate and improve the quality control in your laboratory.

Objectives:

1. Explain the individual Westgard Rule's characteristic for significant error detection versus tendency to reject runs unnecessarily.
2. Discuss the expected changes to patient values, based on the method validation data provided by manufacturers, and compare with those seen in quality control material.
3. Evaluate the results of monthly QC versus peers to determine whether significant bias or imprecision exists.
4. Compare various models of allowable error limits and evaluate whether they are appropriate for your laboratory.

Workshop #16 Basic	Tuesday, May 10	2:00 – 4:00 pm	2.0 Contact Hours
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Entrepreneurial Mindset for Laboratory Professionals

Marian J. Cavagnaro, MS Mgmt, MLS (ASCP) DLM

Director, Laboratory Services

Memorial Hospital West

Pembroke Pines, Florida

Sponsored by Diagnostic Laboratory Services, Inc.

What is the vision for laboratories and laboratory professionals in the future? How will laboratory professionals continue to create an environment that ensures optimum safety, quality and service. Risk taking, creativity, and innovation will be key components of entrepreneurial opportunities. This workshop will introduce the participants to the concepts and process of entrepreneurship and discuss ways to create a more entrepreneurial work environment in the laboratory.

Objectives:

1. Describe how one thinks like an entrepreneur.
2. Discuss the importance of opportunity creation in the entrepreneurial process.
3. Discuss how to create a more entrepreneurial work environment in the laboratory.
4. Discuss how to develop an action plan and set up S.M.A.R.T Goals for the laboratory using an entrepreneurial process.

Workshop #17 Intermediate	Tuesday, May 10	2:00 – 4:00 pm	2.0 Contact Hours
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Improving Your Skills in the Identification of Blood Group Antibodies

Eric Ching, MT (ASCP) SBB
 System Specialist
 Western Canada Blood Bank System
 Calgary, Alberta

Sponsored by Immucor

*****Repeat of Workshop #4*****

Workshop #18 Basic	Tuesday, May 10	2:00 – 4:00 pm	2.0 Contact Hours
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Pain Management Drug Testing

Lou Jambor, Ph.D.
 Scientific Director, Toxicology
 Quest Diagnostics, Nichols Institute
 Valencia, California

Sponsored by Specialty Labs

The use of prescription drugs for the management of pain has greatly increased over the last decade. The risk of abuse and diversion of the drugs used in pain management is of significant concern. This brings new challenges to the field of toxicology that must be addressed by the laboratory. This presentation will focus on federal government guideline for testing, the drugs and metabolites that must be evaluated, and the analytical methods employed in this testing with a special emphasis on the use of Liquid Chromatography Tandem Mass Spectrometry (LC/MS/MS).

Objectives:

1. Describe the clinical needs for Pain Management Testing.
2. Discuss the Federal Government Guidelines concerning patient monitoring.
3. Explain the fundamental analytical challenges and the techniques that are required to match these challenges.
4. Review the use of Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS) and how it is essential in Pain Management testing.

Workshop #19 Basic	Tuesday, May 10	2:00 – 4:00 pm	2.0 Contact Hours
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Introduction to PCR Technology and Oncology Disease States

Sarah L. Moseley, Ph.D.
 Principal Applications Scientist
 Roche Diagnostics Corporation
 San Francisco, California

Sponsored by Roche Diagnostics Corporation

Cervical cancer is the second most prevalent cancer in women and the fifth highest leading cause of death in women, in the United States. This statistic highlights the need for advancements in detection and screening of populations for oncology disease. This session will provide an overview of the principals and methodology of Polymerase Chain Reaction (PCR) Technology from a molecular level to applications in high throughput molecular diagnostics. With an emphasis on cervical cancer disease states we will discuss the potential of molecular diagnostics in the clinical oncology arena.

Objectives:

1. Explain the principles and applications of PCR technology.
2. Describe the disease state of cervical cancer.
3. Explain the potential of molecular diagnostics in screening for HPV and cervical cancer.
4. Discuss the future for personalized medicine in the field of oncology.

Workshop #20 Intermediate	Tuesday, May 10	4:30 – 6:30 pm	2.0 Contact Hours
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Womens Healthcare: Diagnostic Issues

Michael Towns, M.D.

WW Vice President, Medical Affairs

Becton Dickinson

Lutherville-Timonium, Maryland

Sponsored by Becton Dickinson

Infectious diseases of the female genital tract will be discussed in detail. The audience will learn the basics of the epidemiology of each, as well as the disease presentations. The focus of the presentation will be on how they are currently diagnosed. In addition, the audience will learn the relevant issues that are contained in the 2010 CDC standard treatment guidelines.

Objectives:

1. Describe the basics of epidemiology.
2. Explain the disease presentations.
3. Identify the diagnostic strategies to detection.
4. Discuss the relevant 2010 CDC standard treatment guidelines.

Workshop #21 Basic	Tuesday, May 10	4:30 – 6:30 pm	2.0 Contact Hours
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Celiac Disease: The Great Chameleon

Carl Schroder, MPA, MT(ASCP)

Field Technical Specialist

INOVA Diagnostics, Inc.

Salt Lake City, Utah

Sponsored by INOVA Diagnostics, Inc.

Celiac Disease is one of the most common and yet under-diagnosed diseases in the United States. Although it is linked to certain genetic indicators, the triggers are still unknown. This session will cover the disease, its' onset, symptoms, diagnostic tools and treatments.

Objectives:

1. Define celiac disease.
2. List basic symptoms of the disease.
3. Describe basic modern testing techniques.
4. Explain methods of disease control.

Workshop #22 Intermediate	Tuesday, May 10	4:30 – 6:30 pm	2.0 Contact Hours
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Phlebotomy Ps and Qs: Problems and Quandaries in Specimen Collection

Karen A. Brown, MS, MLS (ASCP)

Professor, Dept. of Pathology

University of Utah

Salt Lake City, Utah

Sponsored by ARUP Laboratories

Phlebotomists routinely encounter dangerous conditions, problem patients, and other issues during blood collection. This workshop will suggest techniques that can be used to avoid or safely manage these difficulties. Areas to be discussed include proper patient identification, risks associated with venous and capillary blood collection, and unusual patient situations that impact the phlebotomy procedure. In addition, a review of communication barriers and selected legal topics will be provided.

Objectives:

1. Describe proper procedures for identifying patients in different clinical situations.
2. Discuss advantages and disadvantages associated with the collection of blood specimens from various anatomical sites and in special patient conditions.
3. Identify precautionary measures and actions that promote safe use of phlebotomy equipment.
4. List barriers to effectively communicating with patients.
5. Discuss legal issues that affect quality patient care in the phlebotomy setting.

Workshop #23 Basic	Tuesday, May 10	4:30 – 6:30 pm	2.0 Contact Hours
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Creating a Biosafety Culture in Your Laboratory

Louise S. Barden, PhD, MT (ASCP)

Director of Preparedness and Program Evaluation

Frontline Health Care Workers Safety Foundation

Atlanta, Georgia

Sponsored by Clinical Laboratories of Hawaii, LLP

In recent years the medical and research communities and the public have become more engaged in biosafety issues in laboratories. In May 2008, the Centers for Disease Control and Prevention assembled a blue ribbon panel to write biosafety guidelines for the clinical laboratory, entitled, “Creating a Biosafety Culture in the Clinical Laboratory. This workshop will provide a brief overview of these guidelines and explore the concept of biosafety culture. Laboratory Managers, supervisors, and all laboratorians who participate will benefit from the discussion of practical strategies for developing a positive biosafety culture. At the end of the workshop participants will be able to define the building blocks and key features of a positive biosafety culture and be able to explain the reasons for a systems approach to biosafety is more effective than the human error, “train and blame” approach.

Objectives:

1. Describe how to foster a biosafety culture in your laboratory.
2. Identify the key feature of a positive biosafety culture.
3. List the five building blocks of a safety culture.
4. Explain the difference between a human error perspective and a system perspective to biosafety management.

Workshop #24 Intermediate	Tuesday, May 10	4:30 – 6:30 pm	2.0 Contact Hours
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Heparin Assays: Improving Quality

Karen Wrona, MT (ASCP)

Reagent Product Manager

Diagnostica Stago, Inc.

Parsippany, New Jersey

Sponsored by Diagnostica Stago, Inc.

Unfractionated and low molecular weight heparin is 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 of the most appropriate test to monitor heparin therapy. The anti-Xa assay has many advantages compared to the aPTT. This session will also focus on the new standards which are being used for UFH, the development of new oral anticoagulants and how they will be monitored in the coagulation laboratory.

Objectives:

1. Discuss challenges of effectively monitoring heparin therapy on your patient population.
2. Describe the effect of the new standard for UFH and how this will affect coagulation testing.
3. Identify the laboratory methods used to monitor anticoagulation.

Workshop #25 Intermediate	Wednesday, May 11	8:30 – 12:00 pm	3.0 Contact Hours
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Training and Competence Assessment

Lucia M. Berte, MA, MT(ASCP), SBB, DLM, CQA, CMQ(ASQ)

President

Laboratories Made Better! P.C.

Broomfield, Colorado

Sponsored by ASCLS

Regardless of how much previous experience a new hire presents on his/her CV, the new person does not know the work processes and procedures in *your* laboratory and it's erroneous to assume that previous laboratory experience equates to skills and competence in your laboratory's tests, instruments, paperwork, and computer systems. Therefore, the only solution to ensuring knowledgeable competent employees in your setting is to train them in your laboratory's processes, however extensive the person's background. This program presents a four-part approach to training and competence assessment. Participants will work with a packet of training and competence assessment forms.

Note: The workshop, "Writing Better Documents" is a strongly suggested pre-requisite for this program.

Objectives:

1. Differentiate between education, orientation, training, and competence.
2. Use flowcharts and procedures to develop a training program for a given laboratory process.
3. Construct a training and competence assessment packet for a given laboratory process.
4. Identify useful resources for training and competence information.

Workshop #26 Intermediate	Wednesday, May 11	8:30 – 12:00 pm	3.0 Contact Hours
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Abnormal RBC and WBC Cell Morphology

Marian J. Cavagnaro, MS Mgmt, MLS (ASCP) DLM

Director, Laboratory Services

Memorial Hospital West

Pembroke Pines, Florida

Sponsored by Diagnostic Laboratory Services, Inc.

Registration for this workshop will be limited to 30 participants.

Morphologic evaluation of the peripheral blood cells is one of the most important diagnostic tests in hematology. This wet workshop (using microscopes and glass slides) is designed for the medical laboratory scientist who performs microscopic examination of peripheral blood smears. The purpose of this workshop is to acquaint the participant with normal and abnormal morphology of hematopoietic cells in a variety of clinical conditions, such as leukemias, myelodysplastic syndromes, myeloproliferative disorders, lymphoproliferative disorders, plasma cell dyscrasias, and anemias. Participants will learn to correlate peripheral blood morphology results with clinical findings that will aid clinicians in the differential diagnosis of hematologic disorders.

Objectives:

1. Describe the hematopoietic system- the formation and function of the cellular elements in peripheral blood and bone marrow.
2. Analyze a cell in a systematic manner, noting its size, nuclear, and cytoplasmic features, and have the ability to differentiate normal and abnormal RBCs and WBCs.
3. Identify diagnostic criteria used in characterizing hematologic disorders, including anemias, hemoglobinopathies, leukemias, myelodysplastic syndromes, myeloproliferative disorders, and plasma cell dyscrasias.
4. Correlate peripheral smear morphological findings with clinical findings using case presentations and glass slides in a wet workshop.

Workshop #27 Basic	Wednesday, May 11	8:30 – 12:00 pm	3.0 Contact Hours
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Hawai'i HIE: The Laboratory's Role

Christine Sakuda, MBA

Executive Director

Hawaii HIE

Honolulu, Hawaii

Steve Robertson, MS, MBA, PE

Executive VP & CIO

Hawaii Pacific Health

Honolulu, Hawaii

Francis Chan, MPH

CIO

Clinical Laboratories of Hawaii, LLP

Ewa Beach, Hawaii

Raymond Yeung, MPH

VP, Information Systems

Diagnostic Laboratory Services, Inc.

Aiea, Hawaii

The Hawai'i Health Information Exchange (Hawai'i HIE) is a 501(c)(3) for the purpose of improving health care delivery throughout the State through seamless, effective, and safe health information exchange.

Laboratories play a major role in helping physicians work toward Meaningful Use of electronic health records (EHRs). Hawai'i HIE, the State Designated Entity (SDE) appointed to develop a state health information exchange plan, is committed to tracking Meaningful Use adoption of EHRs and plans to track three main areas:

- Receipt of structured laboratory results,
- Electronic prescribing, and
- Clinical summary exchange.

More than 95% of Hawaii’s hospital information systems and 700 non-hospital providers interface orders and/or results electronically with their labs. The Hawai’i HIE will work with the leading labs to enable other labs in the market to participate in this exchange of information.

CIOs of CLH and DLS are voting board members of the Hawai’i HIE and are eager to lead efforts to contribute to the health exchange effort. In some concept this is already occurring; however, Hawai’i HIE will be the facilitator in defining the next step. During our session, we’d like to discuss ways in which the Hawai’i HIE can work jointly with the laboratories to promote the exchange of health data.

Objectives:

1. Describe the goals of the Hawai’i HIE.
2. Discuss the important role laboratories play in helping providers meet Meaningful Use.
3. Develop ideas on ways in which the Hawai’i HIE and laboratories can collaborate to support health information exchange.
4. Recognize the gaps in Hawaii’s ability to exchange data and offer solutions in which laboratories can participate.

Workshop #28 Intermediate	Wednesday, May 11	8:30 – 12:00 pm	3.0 Contact Hours
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Outreach Turning Points and Managing Utilization

Rodney Forsman, BS
 President, CLMA
 Emeritus Assistant Professor
 Mayo Clinic
 Rochester, Minnesota

Sponsored by CLMA-Aloha Chapter

Everyone engaged in laboratory outreach at one time or other encounters a seemingly difficult issue which, if addressed properly, will advance the program to the next level. Experience with hundreds of community laboratory outreach programs suggests that these questions have been addressed satisfactorily by others and became turning points which lead to success.

This discussion will address how to respond to operational, financial, sales, marketing, regulatory and other imponderables which occur at every stage of outreach development. These range from, “How do we establish pricing?” to “Should we sell the lab?” Not infrequently, hidden agendas and specious misinformation cloud decision making. Perceived barriers to entry can be overcome if approached with perseverance and a new approach to problem solving.

As the demand increases for optimal utilization of laboratory tests, laboratory directors are tasked with finding new ways to provide higher quality laboratory testing at lower cost. This involves decreasing the overuse, misuse and underuse of laboratory tests. Specific examples of steps that can be implemented at other academic medical center and community hospital laboratories in working with clinicians to improve laboratory test utilization will be discussed. The models use practice-specific test algorithms and evidence-based medicine to inform optimal test utilization patterns. The challenges of changing practice patterns will be explored.

Objectives:

1. Identify the right question to answer which may be hidden in a nebulous issue.
2. Devise a strategic approach to resolving significant issues and move forward.
3. Develop a clinically relevant approach to test selection and introduction.
4. Assess the most cost effective use of laboratory testing.

Workshop #29 Intermediate	Wednesday, May 11	2:00 – 4:00 pm	2.0 Contact Hours
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Health Care Reform and Integrated Delivery

Rodney Forsman, BS
 President, CLMA
 Emeritus Assistant Professor
 Mayo Clinic
 Rochester, Minnesota

Sponsored by CLMA-Aloha Chapter

Health care reform is a focal point for the public, the administration and the new Congress. The law as it stands has taken the form of insurance reform. The drivers for change remain regardless of the outcome of political maneuvering.

It is prudent for laboratorians to better understand and communicate their strategic role in patient care and prepare for the changing environment. Nationally recognized studies have shown that an integrated model of care delivers improved outcomes and lowered costs as contrasted with other models. The community laboratory will play an active role in responding to the changes ahead.

Objectives:

1. Identify the major elements found in the statute.
2. Assess the importance of an integrated approach to health care delivery.
3. Identify strategic initiatives for the local community laboratory.

Workshop #30 Intermediate	Wednesday, May 11	2:00 – 4:00 pm	2.0 Contact Hours
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The CBC, More Complete Than Ever: How New Modern Parameters Are Revolutionizing the Oldest and Most Ordered Test in Laboratory Hematology

Fernando Chaves, MD
 Hematopathologist
 Beckman Coulter Switzerland

Sponsored by Beckman Coulter, Inc.

This activity will take the audience in a journey through time, starting at the discovery of the Coulter principle, to the new technologies available today in modern hematology analyzers. Participants will learn the VCS technology used to generate a differential cell count, and will become familiar with multiple new possible diagnostic applications for this technology (bacterial infection and sepsis, myelodysplasia, B12 and Folate deficiencies, CLL and other lymphoproliferative disorders, viral and parasitic infections). The enhanced VCS capabilities of the DxH800 platform will also be introduced, along with new red cell parameters that can bring great benefit for anemia patients.

Objectives:

1. State the hematologic parameters that are generated in an automated hematology analyzer and discuss the Volume Conductivity Scatter (VCS) technology.
2. Discuss how changes in hematology parameters and cell populations correlate with abnormal cell types found in bacterial, viral, parasitic infection, myelodysplasia, B12 or folate deficiency, and lymphoproliferative diseases.
3. Compare the diagnostic performance of hematology parameters generated with various technologies.
4. Design laboratory specific research studies in own institutions to evaluate new clinical applications for these parameters.

Workshop #31 Basic	Wednesday, May 11	2:00 – 4:00 pm	2.0 Contact Hours
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Creating a Biosafety Culture in Your Laboratory

Louise S. Barden, PhD, MT(ASCP)
 Director of Preparedness and Program Evaluation
 Frontline Health Care Workers Safety Foundation
 Atlanta, Georgia

Sponsored by Clinical Laboratories of Hawaii, LLP

*****Repeat of Workshop 23*****

Workshop #32 Intermediate	Wednesday, May 11	2:00 – 4:00 pm	2.0 Contact Hours
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Enhancing Clinical Decision Making Through Patient Side Testing

Yolanda A. Cillo, M.D., MBA
 Medical Director
 Abbott Point of Care
 Princeton, New Jersey

Sponsored By Abbott Laboratories

Clinicians utilize information such as laboratory test results and radiological studies in conjunction with the patient’s history and physical examination to make diagnoses and initiate appropriate care. Receiving laboratory test results rapidly will enhance the decision making process. This session will cover the use of patient side point of care testing for analytes, beyond glucose testing, demonstrating how obtaining these results at patient side enhances patient safety and clinical decisions, involves process improvement, and provides a mechanism for compliance with recommended guidelines as well as current clinical scenarios where patient side testing is in use.

Objectives:

1. Differentiate between ‘Patient Side’ and ‘Near Patient’ Testing.
2. Describe how clinical decisions are made utilizing test results creating the clinical need for rapid return of the test.
3. List three or more clinical scenarios where Patients Side POC testing is currently in use.
4. Describe examples of safety enhancements when Patient Side POC testing is implemented.

Workshop #33 Basic	Wednesday, May 11	4:30 – 6:30 pm	2.0 Contact Hours
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Biosafety Competencies: What You need to Know

Louise S. Barden, PhD, MT(ASCP)
 Director of Preparedness and Program Evaluation
 Frontline Health Care Workers Safety Foundation
 Atlanta, Georgia

Sponsored by Clinical Laboratories of Hawaii, LLP

Recent biosafety accidents and releases of infectious agents have generated concern about biosafety issues, including the ability of laboratorians to control pathogens and toxins that could cause disease in humans, plants and animals. In response to this concern the Federal Government has promulgated several laws and regulations in efforts to ensure the safety of workers and the environment. This workshop will focus on the efforts of the Centers for Disease Control and Prevention and the Association of Public Health Laboratories to

develop biosafety competencies for entry, mid, and senior level laboratorians. The presenter will describe the skill domains of the competencies and discuss how laboratorians and others can benefit from using these competencies.

Objectives:

1. Describe the skill domains of the biosafety competencies.
2. Explain the benefits of using competencies.
3. List the laboratory personnel for whom competencies are developed.

Workshop #34 Intermediate	Wednesday, May 11	4:30 – 6:30 pm	2.0 Contact Hours
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Phlebotomy Ps and Qs: Problems and Quandaries in Specimen Collection

Karen A. Brown, MS, MLS(ASCP)

Professor, Dept. of Pathology

University of Utah

Salt Lake City, Utah

Sponsored by ARUP Laboratories

*****Repeat of Workshop 22*****

Workshop #35 Basic	Wednesday, May 11	4:30 – 6:30 pm	2.0 Contact Hours
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Are You a Customer Service “Have” or “Have Not”?

Cherie V. Petersen, BA

Teaching Specialist

ARUP Laboratories

Salt Lake City, Utah

Sponsored by ARUP Laboratories

This shouldn't be shocking news to most people, but customer service IS a critical function of quality patient care. However, when we think about customer service activities and how that translates into patient care, we tend to think it's just about what we do when we're in the actual presence of patients. So, here's what may be news to some, the patient experience isn't just about what we do when we're in their physical presence, but also what we do as we interact with everyone that is in any way associated with their care. Therefore, we must make every effort to be engaged in skilled customer service activities with everyone, at all times. So, what are the necessary skills and activities for providing great customer service and how well do you think you execute them? This session will provide an opportunity for self-assessment utilizing a customer service skills preferred profile and an interactive discussion regarding the do's and don'ts for outstanding customer service.

Objectives:

1. Apply a self-assessment tool in order to benchmark them against a customer service preferred profile.
2. Describe what can happen during customer service interactions that can cause poor outcomes and a negative experience for customers.
3. Describe the skills and activities that promote outstanding customer service.
4. Identify the skills and activities where personal improvement would yield better customer service outcomes.

Workshop #36 Intermediate	Wednesday, May 11	4:30 – 6:30 pm	2.0 Contact Hours
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Vitamin D: Novel Clinical Applications

Sridevi Devaraj, PhD, DABCC, FACB, CCRP

Professor, Pathology and Laboratory Medicing

Director of Special Chemistry/Toxicology

University of California, Davis Campus

Sacramento, California

Sponsored by AACC

Despite several advances in our knowledge of Vitamin D and bone health, Vitamin D deficiency is common. Originating in part from diet but with a key source resulting from transformation by exposure to sunshine, a great deal of the population suffers from vitamin D deficiency especially during winter months. It is linked to the treatment and pathogenesis and/or progression of several disorders including cancer, hypertension, multiple sclerosis, rheumatoid arthritis, osteoporosis, muscle weakness and diabetes. This session will detail the sources of vitamin D, explain how vitamin D is metabolized in the body, discuss methods of measurements, and their pitfalls and lastly, discuss novel applications of vitamin D, not only for bone health but also for conditions such as diabetes and pre-diabetes and delineate its benefits on inflammation.

Objectives:

1. Discuss and analyze Vitamin D metabolism.
2. Appraise novel clinical applications such as in pre-diabetes & diabetes.
3. Examine methods of measurement & immunomodulatory properties of vitamin D.

**2011 HAWAII ASCLS / CLMA ANNUAL MEETING
& EXHIBITS
Honolulu, Hawaii
Honolulu Country Club
Meeting Schedule**

TIME	MONDAY May 9	TUESDAY May 10	WEDNESDAY May 11
7:00 AM		Registration 7:30 – 10:00 a.m.	Registration 7:30 – 10:00 a.m.
8:00 AM		Workshops 8:30 a.m.– 12:00 p.m.	Workshops 8:30 a.m.– 12:00 p.m.
9:00 AM	Registration 9:00 – 10:00 a.m.		
10:00 AM	Workshops 10:00 a.m. – 12:00 p.m.		
11:00 AM	Registration 11:30 a.m. – 4:30 p.m.	Registration 11:30 a.m. – 4:30 p.m.	Registration 11:30 a.m. – 4:30 p.m. Exhibits 11:30 a.m. – 4:00 p.m.
12:00 PM	Lunch 12:00 p.m. – 1:30 p.m.	Lunch 12:00 p.m. – 1:30 p.m.	Lunch 12:00 p.m. – 1:30 p.m.
1:00 PM	Workshops 1:30 p.m. – 3:30 p.m.	Exhibits 1:00 p.m. – 5:00 p.m.	
2:00 PM		Workshops 2:00 p.m.– 4:00 p.m.	Workshops 2:00 p.m.– 4:00 p.m.
3:00 PM			
4:00 PM	Workshops 4:00 p.m. – 6:00 p.m.	Workshops 4:30 p.m. – 6:30 p.m.	Workshops 4:30 p.m. – 6:30 p.m.
5:00 PM			
6:00 PM	ASCLS-HI Annual Business Meeting 6:00 p.m.		
7:00 PM			

2011 Hawaii ASCLS/CLMA Annual Meeting and Exhibits Registration Form

REGISTER ON-LINE at www.HawaiiClinLabConference.org using the Registration link.

LAST NAME _____ FIRST NAME _____

ADDRESS _____

CITY _____ STATE _____ ZIP CODE _____ HOME PHONE _____

EMPLOYER _____ BUS.PHONE _____ EMAIL _____

ASCLS/CLMA MEMBERSHIP NO. _____ EXP. DATE _____

[Please circle]

NOTE: *Out of state members – please provide photocopy of current membership card*

Membership Category	Member	Non Member	Student Member
Early Bird Rates (Deadline: Received by April 4, 2011)			
Full Day Workshop	\$70	\$170	\$35
Half Day Workshop	55	155	25
Convention Special: 3 days	190	440	75
Phlebotomy Workshop	25	50	

Regular Rates (Received April 5, 2011 to April 27, 2011)

Full Day Workshop	\$ 90	\$190	\$50
Half Day Workshop	70	175	35
Convention Special: 3 days	265	480	110
Phlebotomy Workshop	35	55	

Please enroll me in the following workshop(s):

Monday May 9, 2011					
9:00-10:00 Registration	10:00 – 12:00 Workshop #	Lunch (Circle one) Yes No	1:30-3:30 pm Workshop #	4:00-6:00 pm Workshop #	Fees \$
Tuesday May 10, 2011					
	8:30 – 12:00 Workshop #	Lunch (Circle one) Yes No	2:00-4:00 pm Workshop #	4:30-6:30 pm Workshop #	Fees \$
				Phlebotomy (lunch not included) 4:30-6:30 pm	\$
Wednesday May 11, 2011					
	8:30 – 12:00 Workshop #	Lunch (Circle one) Yes No	2:00-4:00 pm Workshop #	4:30-6:30 pm Workshop #	Fees \$
				Phlebotomy (lunch not included) 4:30-6:30 pm	\$
					Total \$

Form of Payment:

Check made payable to **University of Hawai'i** (enclose copy of completed form)

I hereby authorize University of Hawai'i the use of my credit card account:

____ Visa ____ MasterCard

Credit Card No: _____ Exp. Date (Mo/Yr.) _____

Signature: _____

Institution Code: _____ (TAMC Pathology only)

REGISTRATION INFORMATION

CATEGORIES OF REGISTRANTS:

MEMBER is a current member of good standing of the American Society for Clinical Laboratory Science (ASCLS) or the Clinical Laboratory Management Association (CLMA).

STUDENT MEMBER is any person who is engaged at least half time in a recognized program leading to either an Associate or Bachelor degree in Clinical Laboratory Science (Medical Technology) or one who is in a recognized Clinical Laboratory internship program.

NON MEMBERS are welcome to become members of ASCLS or CLMA and get the special rate for the Annual Meeting by completing the ASCLS or CLMA application form included in this program. Dues are payable to the respective organization on a separate check or money order. The dues, membership application, annual meeting registration form and payment should be mailed to the address indicated below.

FEES: Registration fees vary according to the number of workshops you plan to attend. Please indicate on the program registration form the proper registration fee for your level of participation. Full payment must accompany all registrations. Credit card numbers submitted with registration will be processed upon receipt. Bounced checks will incur additional fees.

Please complete the registration form on-line at www.HawaiiClinLabConference.org using the **Registration** link. Payments are acceptable by credit card or send your registration form and check payable to:

University of Hawaii
UH Conference Center
1951 East-West Road, #102
Honolulu, HI 96822

Deadlines: Early Bird Registration received by April 4, 2011. Full registration rates will apply after the early bird deadline. **Regular Rates:** received by April 27, 2011. On-Site registration will also be available, but workshops and lunch can not be guaranteed.

Refunds: Requests for refunds will be received at the UH Conference Center by April 11, 2011 in writing. No refunds will be made thereafter. Refunds will be done in the same manner payment was made. Please allow approximately six to eight weeks for processing.

Priority will be given to online registrants for workshops.
Availability of workshops after the early bird deadline is not guaranteed.
Most workshop fees include registration and lunch.
Half Day workshop fee may be applied to one AM workshop or two PM workshops on the same day.
Two half-day workshop fees on the same day will be equivalent to one full-day workshop fee.
Lunch will be included for those attending half day and/or full day workshops only.
Phlebotomy workshop **does not** include lunch.
Convention special includes any combination of workshops over 3 days.
Convention special **will not** be available for On-site registration.
No charge to attend exhibits.

CONTINUING EDUCATION: ASCLS-Hawaii is an approved provider of continuing education programs in clinical laboratory science through the ASCLS P.A.C.E[®] Program. The listed courses are approved for CA licensed clinical laboratory scientists and personnel.

PARKING: Parking is available at Honolulu Country Club at no charge. Do not park in "Members Only" lot.

HANDOUTS: Registrants will be responsible for downloading their handouts from the website www.HawaiiClinLabConference.org. A password will be sent to registrants in a registration confirmation notice.

Accessibility Assistance: If you require assistance due to mobility, hearing, or sight impairment, you are encouraged to contact the UH Conference Center at 956-8204 by April 11, 2011.

Please direct all registration inquiries to: UH Conference Center
808 956-8204 [phone]; 808 956-4372 [fax]

EXHIBITS

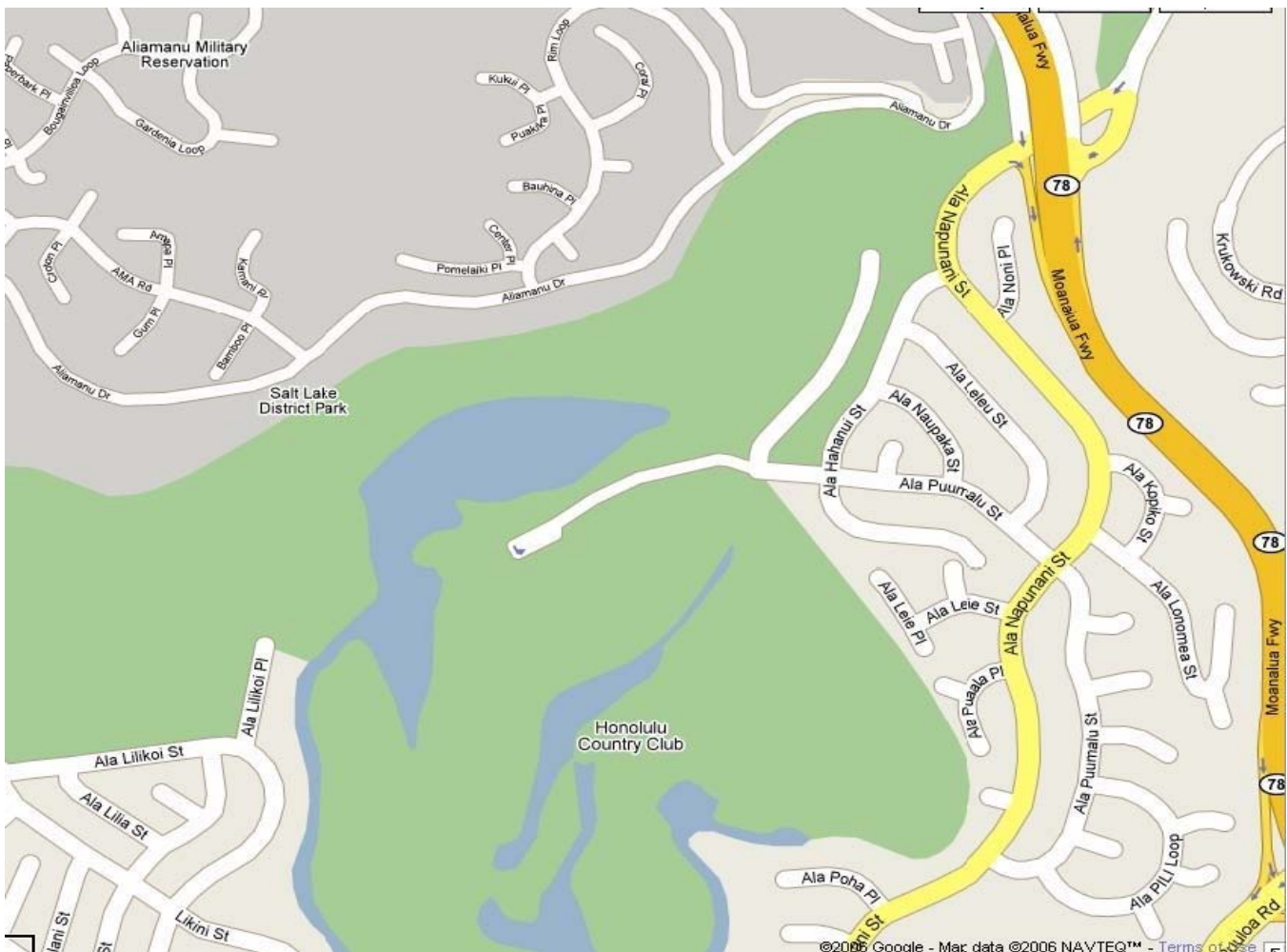
ASCLS – Hawaii and CLMA – Aloha Chapter invite you to come and visit the Exhibits area in the main conference room of the Honolulu Country Club. View displays showing the latest instrumentation and products for clinical laboratories. Exhibits will once again be the highlight of the 2011 Hawaii ASCLS / CLMA Annual Meeting & Exhibits. Plan to visit the exhibits on Tuesday and Wednesday. The exhibit hours are convenient. Stick around when your morning workshop is done or come early before the afternoon presentations. Door prizes will be announced throughout the exhibit hours on both days and pupus will be served as well.

You may have noticed corporate sponsorship designated for most of the workshops. Seek out those sponsoring companies on the exhibition floor and thank the representatives. Let them know you appreciate their support of the 2011 Hawaii ASCLS / CLMA Annual Meeting and Exhibits and look forward to seeing them again the next year. This is a list of 2010 exhibitors. We expect these exhibitors and others to participate.

Abbott Diagnostics
Advanced Instruments
ARUP
ASCLS Hawaii
Beckman Coulter
Becton Dickinson
The Binding Site
BioMerieux
Bio-Rad
College of American Pathologists
Cardinal Healthcare
Cepheid
CLMA Aloha Chapter
Diagnostic Hybrids
Diagnostica Stago
Diamedix
Fisher Healthcare
Gen-Probe
Grifols USA LLC
Immucor Gamma
Instrumentation Laboratory
Inverness Medical
Millipore
Nova Biomedical
Ortho Clinical Diagnostics
PAC/RIM Medical
Qiagen
Quest Diagnostics
Quidel
Radiometer America
Rainin
Remel
Roche Diagnostics
Siemens Diagnostics
Sysmex
University of Washington

Directions to Honolulu Country Club Ewa (West) Bound from Honolulu

- 1) Take **H1 West** to **H201** towards **Fort Shafter and Aiea**, which becomes **Highway 78**.
- 2) Take **Exit #2: Moanalua Valley/Salt Lake/Red Hill**.
- 3) Take the immediate right on **Puuloa Rd**, that sign will read **Moanalua Valley/Salt Lake**.
- 4) Take an immediate left, that sign will read **Salt Lake**.
- 5) After turning left, merge into the right lane. You are now on **Ala Napunani Street**.
- 6) You will come to a three-way stop. Go straight.
- 6) Take the next right, which will be **Ala Hahanui Street**.
- 7) Follow the road until you reach the three-way stop.
- 8) Turn right on **Ala Puumalu Street**.
- 9) Honolulu Country Club is located at **1690 Ala Puumalu Street** at the end of the road



Directions to Honolulu Country Club Diamond Head (East) Bound from Ewa

- 1) Drive on **Highway 78** towards **Pearlridge and Aiea**.
- 2) Take **Exit #2: Moanalua Valley/Salt Lake/Red Hill**.
- 3) Proceed up the hill and come to the three-way stop.
- 4) Go straight and proceed down the hill to another three-way stop.
- 5) Turn right onto **Ala Napunani Street**.
- 6) Go straight and take your first right, which will be **Ala Hahanui Street**.
- 7) Follow the road until you reach the three-way stop.
- 8) Turn right on **Ala Puumalu Street**.
- 9) Honolulu Country Club is located at **1690 Ala Puumalu Street** at the end of the road.